

**Large-Mesh Bottom Trawl Survey of Crab and  
Groundfish: Kodiak, Chignik, South Peninsula, and  
Eastern Aleutian Management Districts, 2017**

by

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and

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September 2018

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Alaska Department of Fish and Game

Divisions of Sport Fish and Commercial Fisheries



## Symbols and Abbreviations

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

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

***FISHERY MANAGEMENT REPORT NO. 18-15***

**LARGE-MESH BOTTOM TRAWL SURVEY OF CRAB AND  
GROUNDFISH: KODIAK, CHIGNIK, SOUTH PENINSULA, AND  
EASTERN ALEUTIAN MANAGEMENT DISTRICTS, 2017**

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## ABSTRACT

This report summarizes the June through September 2017 large-mesh bottom trawl survey to assess crab and groundfish resources in the Kodiak, Chignik, South Peninsula, and Eastern Aleutian Tanner crab *Chionoecetes bairdi* management districts. A total of 363 trawl hauls were conducted to assess relative abundance and condition of commercially important crabs, and spatial distribution, species composition, size frequency, and catch per unit effort of commercially important groundfish. Survey estimates of mature and legal male Tanner crab abundance allowed for a commercial fishery in 2 sections of the Kodiak District and 1 section of the Eastern Aleutian 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. Flathead sole *Hippoglossoides elassodon*, arrowtooth flounder *Atheresthes stomias*, yellowfin sole *Limanda aspera*, and walleye pollock *Gadus chalcogrammus*, were the dominant groundfish captured during the survey.

Key words: 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 2017 around Kodiak Island, along the Alaska Peninsula from Cape Douglas to False Pass, and in the Eastern Aleutian Islands from Akutan Island to Unalaska Island (Figure 1). The survey area corresponds to the Kodiak, Chignik, South Peninsula, and Eastern Aleutian districts of the Registration Area J (Westward) for Tanner crab *Chionoecetes bairdi* (AAC 35.505<sup>1</sup>(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 34.400<sup>2</sup>, 34.500<sup>3</sup>, and 34.604<sup>4</sup>(1)); and the Kodiak, Chignik, and South Alaska Peninsula groundfish registration areas, and Aleutian Islands District of the Bering Sea–Aleutian Islands groundfish Registration Area (5 AAC 28.400<sup>5</sup>, 28.500<sup>6</sup>, 28.550<sup>7</sup>, and 28.605<sup>8</sup>(a)) (Figure 2). Tanner crab management units are districts; king crab and groundfish management units are areas. This report summarizes survey data by district or area accordingly.

ADF&G began conducting bottom trawl surveys around Kodiak Island in 1963. Early surveys focused on red king crab *Paralithodes camtschaticus* and targeted Long Island Bank (Reynolds and Powell 1964), Marmot Flats (McMullen 1967a), Portlock Bank (McMullen 1967b), Albatross Bank (McMullen 1968), and Alitak and Kaguyak bays (Kingsbury and James 1971; Figure 3). From 1973 to 1986 ADF&G conducted pot surveys targeting king crab; Tanner crab were assessed as a secondary species (Colgate and Hicks 1983). A bottom trawl survey to assess Tanner crab in the North Shelikof Strait of the Kodiak District began in 1980 (Colgate and Hicks 1982; Figure 3). Large-mesh trawl surveys were expanded to other areas of the Kodiak and Chignik districts in 1981 (Colgate and Hicks 1983) and to Pavlof Bay in the South Peninsula District in 1984 (Colgate 1984). The first comprehensive large-mesh trawl survey of the Kodiak District was conducted in 1987 (Jackson 1990) and in 1988 became the standard Tanner crab

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<sup>1</sup> Alaska Administrative Code: Description of [Tanner crab] Registration Area J Districts [Westward]

<sup>2</sup> Alaska Administrative Code: Description of [king crab] Registration Area K [Kodiak]

<sup>3</sup> Alaska Administrative Code: Description of [king crab] Registration Area M [Alaska Peninsula]

<sup>4</sup> Alaska Administrative Code: Description of red king crab [Registration Area O (Aleutian Islands)] districts

<sup>5</sup> Alaska Administrative Code: Description of Kodiak Area [for groundfish]

<sup>6</sup> Alaska Administrative Code: Description of Chignik Area [for groundfish]

<sup>7</sup> Alaska Administrative Code: Description of South Alaska Peninsula Area [for groundfish]

<sup>8</sup> Alaska Administrative Code: Description of Bering Sea–Aleutian Islands Area districts [for groundfish]

stock assessment tool in the Kodiak, Chignik, and South Peninsula districts (Urban and Vining 1999; Spalinger 2015b). The Eastern Aleutian District large-mesh bottom trawl survey was added to the regionwide survey program in 1990 and generally continued on a triennial basis until 2003. Beginning in 2004, selected locations of the Eastern Aleutian District have been annually surveyed. Since 1988, between 287 and 410 successful hauls have been completed annually (Table 1).

In 1999, ADF&G developed Tanner crab harvest strategies for the above districts (5 AAC 35.507<sup>9</sup>, 34.509<sup>10</sup>; Urban et al. 1999) that use annual trawl survey abundance estimates to determine if abundance thresholds are met and to set fishery guideline harvest levels (GHLs; Urban and Vining 1999). When abundance thresholds are met, Tanner crab GHLs are primarily determined by estimating the number of molting mature male crab (Appendix A1) in a district or section and applying a harvest rate based on composition of the male population.

Low Tanner crab abundance, as estimated by the trawl survey, has required fishery closures in multiple years (Spalinger and Phillips 2017). The Kodiak District was closed from 1994 to 2000 and from 2014 to 2017. The South Peninsula District was closed from 1990 to 2000, from 2002 to 2004, and from 2014 to 2017. The Chignik District was closed from 1990 to 2004, from 2007 to 2009, and from 2012 to 2017. The Eastern Aleutian District was closed from 1995 to 2002, in 2014, and in 2017.

Primary objectives of the 2017 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 distributions, and CPUE of commercially important groundfish species.

Secondary objectives of the survey were to determine 3) size frequency distribution of weathervane scallops *Patinopecten caurinus*; 4) sex composition of skate species (*Raja* spp. and *Bathyraja* spp.); and 5) chela (claw) height of male Tanner crab in Northeast, Eastside, and Westside sections of the Kodiak District (Spalinger 2015b). Collections of chela height of male Tanner crab in the Eastside, Westside, and Northeast sections of the Kodiak District are ongoing ADF&G research projects; results are not presented here.

Additionally, the following special projects were conducted in 2017 (Knutson and Spalinger 2017):

1. A study in the Northeast and Eastside sections of the Kodiak District was continued using the ADF&G research vessel (R/V) *Solstice* and the R/V *Resolution* to determine if fishing power correction factors are necessary to compare catch data from one vessel to the other (Spalinger 2015c).
2. Small-mesh survey hauls were conducted in Pavlof and Chiniak bays upon completion of large-mesh bottom trawl survey hauls. Data were incorporated into the small-mesh trawl survey time-series. Information on the small-mesh survey can be obtained by contacting the ADF&G shellfish management office in Kodiak.
3. Sea stars were monitored throughout the survey for signs of sea star wasting syndrome.

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<sup>9</sup> Alaska Administrative Code: Kodiak, Chignik, and South Peninsula Districts C. bairdi Tanner crab harvest strategies

<sup>10</sup> Alaska Administrative Code: Eastern Aleutian District Tanner crab harvest strategy

# METHODS

## SURVEY DESIGN

The 2017 large-mesh bottom trawl survey was conducted in known Tanner crab habitat, using a fixed-grid station design. Survey station area totals approximately 15,500 km<sup>2</sup> at depths greater than 20 fathoms. Station size variation results from irregular coastline topography and bathymetry. Offshore stations average approximately 74.4 km<sup>2</sup> each and inshore stations average approximately 21.7 km<sup>2</sup> each (Appendix B2; Spalinger 2015b).

## VESSEL AND FISHING GEAR

The R/V *Resolution* (27.7 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. In 2017, skipper Denis Cox, Jr. made 1 successful bottom trawl haul in each of 363 stations (Figure 1, Appendix C).

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 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 dandylines are 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 (Spalinger 2015b). Astoria “V” type doors weighing 340 kg and measuring 1.5 m x 2.1 m are used to spread the net.

Within each station, the trawl net was towed on bottom at an average speed of 5.1 km/h for a target distance of 1.85 km (1 nmi) to provide a representative sample of fishery resources without exceeding weight limitations of vessel equipment. Haul distance was determined by Global Positioning System as the distance traveled by the vessel from when the footrope contacted bottom until the footrope left bottom. Irregular bottom type, net hang ups, or exceptionally large catches often caused haul distance to differ from 1.85 km. The vessel captain estimated corrections in distance for hauls that were not straight. 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 on ADF&G skipper trawl record forms. 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 (Spalinger 2015b). 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 one-minute intervals for each haul. Only temperatures recorded when the footrope was on bottom were used to determine average water temperature during the haul.

## 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, Seattle, USA<sup>11</sup>; ±1.0 kg), emptying the codend into on-deck sorting bins, and subtracting the empty codend weight from

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<sup>11</sup> Product names used in this publication are intended for scientific completeness and do not indicate product endorsement.

the full codend weight. Prior to emptying the trawl catch from the codend, a 1.5 m<sup>2</sup> 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, Gardabaer, Iceland<sup>10</sup>;  $\pm 0.01$  kg), counted, and measured ( $\pm 1.0$  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* spp. and *Sebastolobus* spp., lingcod *Ophiodon elongatus*, Atka mackerel *Pleurogrammus monopterygius*, giant Pacific octopus *Octopus dofleini*, squid *Berryteuthis magister*, Pacific herring *Clupea harengus*, salmon *Onchorhynchus* spp., 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 *R. binoculata*, 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*. As whole-haul species were removed from the on-deck sorting bin for sampling, the subsampling net was lifted by crane through 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 was used post survey to expand results to the entire haul 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 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 (meets minimum size requirement to retain in a fishery) was determined 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 is presented in Appendix A. Dungeness crab were measured for CW and checked for legal status across the carapace immediately anterior to the tenth anterolateral spine (Spalinger 2015b).

Tanner, king, and Dungeness crabs were subsampled when each species/sex exceeded 200 individuals per haul. Chela height measurements (the greatest height, excluding spines, on the right chela) from up to 50 Tanner crab per haul were taken from male crab  $>60$  mm CW in the Northeast, Eastside, and Westside sections of the Kodiak District. Clutch fullness of mature female Tanner, king, and Dungeness crabs was estimated by examining egg clutch and assigning a fractional clutch size relative to the size of the abdominal flap (Spalinger 2015b). Embryo development 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 following methods detailed in Spalinger (2015b).

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 mid-point 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 (Spalinger 2015b).

## **CPUE, DENSITY, AND ABUNDANCE INDICES**

Survey catch data were converted to density estimates for each haul by dividing the number or weight of animals caught in the haul by the area swept with the trawl during the tow. The area swept is the product of the assumed net width of 12.2 m and the haul distance:

$$\text{density} = \frac{\text{number or weight of animals}}{\text{net width} * \text{haul distance}}.$$

Relative abundance indices for Tanner and king crabs were derived from trawl survey data using the area swept technique (Alverson and Pereyra 1969). Density estimates were multiplied by the station area (Appendix B2) to estimate station abundance:

$$\text{station abundance} = \text{density} * \text{station area}.$$

The sum of abundances from stations in a geographic area provides a total abundance index for the area: *total district or section abundance* =  $\sum$  *station abundance*.

In addition to crab relative abundance indices, a commonly used measure in this report is CPUE, which is standardized to kg or number caught per km towed, allowing for comparisons between hauls:

$$\text{CPUE} = \frac{\text{number or weight of animals}}{\text{distance towed}}.$$

## **RESULTS AND DISCUSSION**

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

### **KODIAK**

In the Northeast, Eastside, Southeast, and Southwest sections of the Kodiak Tanner crab District 143 hauls were successfully completed between June 8 and July 5 (haul numbers 1–145). Two hauls were unsuccessful because the net was damaged while towing. Additionally, in the Northeast Section 3 hauls were completed on May 31 in coordination with the fishing power correction factor study (haul numbers 1–3; Spalinger 2015c), and 4 hauls were completed on August 24 (haul numbers 306–309). Haul locations are shown in Appendices C1–C7. In the Westside and North Mainland sections of the Kodiak Tanner crab District, 54 hauls were successfully completed between August 25 and September 1 (haul numbers 310–364). One haul was unsuccessful because the net hung up on the bottom. The total area of the surveyed sections used to determine abundance estimates for the Kodiak District in 2017 was 7,570.3 km<sup>2</sup> (Appendix B2).

## **Tanner Crab**

The 2017 survey captured 26,173 male Tanner crab in the Kodiak District, with a mean size of 81.4 mm CW, and 17,836 female Tanner crab, with a mean size of 58.6 mm CW. No dominant size group was observed in either male or female populations (Figure 4). The majority of males had a CW less than 75 mm. Most females were between 25 mm CW and 85 mm CW. Tanner crab were caught in 98% of all hauls, with catches ranging from 0 to 2,163 crab per haul. The highest Tanner crab CPUE was 1,168 crab per km towed at station CHF in Chiniak Bay within the Northeast Section (Figure 5). Soft/new pliable shell and new shell crab comprised 87% (22,649) of the total male Tanner crab captured in the Kodiak District survey (Table 2). In the Northeast, Southeast, Westside, and North Mainland sections the majority of male crab were less than 100 mm and in new shell condition. The Eastside and Southwest sections had a greater proportion of male crab that were greater than 100 mm, in various shell conditions (Figures 6 and 7).

Tanner crab abundance estimates for each station were summed by management section (Appendix D1). The total 2017 Kodiak District surveyed Tanner crab abundance was estimated at 69.2 million crab, an increase from 57.7 million crab estimated in 2016 (Table 3). The largest increases were observed among sublegal males <70 mm CW and juvenile females. Decreases in abundance relative to the 2016 estimates were seen in sublegal males >91 mm CW, and mature females (Table 3; Figure 8).

The 2017 estimated abundance of legal-sized male Tanner crab in the Kodiak District was 2.1 million crab, double the 2016 estimate of 1.0 million, and the highest legal-sized male abundance estimate since 2012 (Table 3). In 2017, the abundance estimate of 1.0 million legal-sized male crab in the Eastside Section was the largest in the Kodiak District, while the Westside and Northeast sections had the smallest estimated abundances of legal males. Based on the Tanner crab harvest strategy (5 AAC 35.507), trawl survey results indicated that the Eastside and Southwest sections were above the mature male abundance threshold and satisfied the minimum GHL criteria, while the Northeast, Southeast, Westside, and North Mainland sections were below thresholds required to consider opening a commercial Tanner crab fishery (Table 4). Therefore, the Eastside and Southwest sections of the Kodiak District opened to commercial Tanner crab fishing in 2018.

Egg clutches of 4,278 mature female Tanner crab from the Kodiak District were examined (Figure 9); 76.5% (3,273) were multiparous, similar to 78.1% in 2016 (Spalinger 2017). Mature female egg clutches were more than half full in 73.4% (3,141) of samples. This was similar to 2016 when 73.1% of mature females sampled had egg clutches that were more than half full (Spalinger 2017).

## **Red King Crab**

Red king crab were caught in 14.2% of Kodiak Area hauls totaling 319 males and 85 females. King crab catch ranged from 0 to 118 crab per haul, with 75.5% of king crab caught inside Alitak Bay and 11.1% caught on Alitak Flats (Figure 10). Mean king crab size was 157.6 mm CL for males and 133.2 mm CL for females. The majority of female king crab were mature and the majority of males were legal. During the 2017 Kodiak Area survey, 68.0% (58) of all mature females examined had an egg clutch that was more than half full (Figure 9), similar to 2016 (63.0%; Spalinger 2017).

Red king crab abundance estimates were derived for 4 districts of the Kodiak Registration Area by size and sex categories (Table 5). The 2017 Kodiak red king crab abundance was estimated at 266,430 crab, less than half of the estimated 581,677 crab in 2016. Relatively few male king crab are captured by the trawl survey each year (319 in 2017 and 470 in 2016; Spalinger 2017). The largest decreases in 2017 were observed among juvenile females and prerecruit males <113 mm CL (Table 5, Figure 11). The total estimated abundance of legal males decreased from 197,523 crab in 2016 to 139,975 crab in 2017 and represented 64.9% of the total male abundance. Large changes in annual abundance estimates are most likely due to low crab density and uneven distribution within the survey area.

## **Groundfish**

The CPUE of all species from sample hauls in the Kodiak groundfish Area was 418 kg/km towed, with groundfish species comprising 82.4% of the total animal catch by weight. During the 2017 survey, flathead sole *Hippoglossoides elassodon* was the dominant species caught by weight (24.5%), followed by arrowtooth flounder *Atheresthes stomias* (19.0%), walleye pollock (7.8%), Tanner crab (6.2%), and yellowfin sole *Limanda aspera* (5.6%; Table 6). Arrowtooth flounder, flathead sole, and walleye pollock were the 3 most abundant species captured by weight in previous years (2013–2016; Figure 12), with the exception of 2016 when walleye pollock was the 6th most abundant by weight.

During the 2017 Kodiak Area bottom trawl survey, 27,272 fish representing 42 species were measured for length. Arrowtooth flounder and flathead sole were present in almost every haul, although flathead sole were most abundant inside bays (Figure 13). Yellowfin sole were primarily found inside bays, with greater numbers along the north end of Kodiak Island. Northern rock sole and southern rock sole were found in small numbers around Kodiak Island though northern rock sole were more common (Figure 13). Pacific cod and walleye pollock were seen throughout the survey with the highest concentrations of pollock nearshore along the east and south sides of Kodiak Island. Sablefish were captured around Kodiak Island although concentrations along the south and west sides of the island were lower. Rougheye rockfish *Sebastes aleutianus* concentrations were largest in Barnabas Gully (Figure 14).

## **SOUTH PENINSULA AND CHIGNIK**

In the South Peninsula and Chignik Tanner crab districts, 138 hauls were successfully completed from July 14 through August 11: 93 hauls in the South Peninsula District (haul numbers 192–263 and 285–305; Appendices C8–C11) and 45 hauls in the Chignik District (haul numbers 146–191; Appendices C11–C12). One haul in the Chignik District was unsuccessful because of excessive mud in the net. The total area used to determine abundance estimates in 2017 was 2,931.7 km<sup>2</sup> in the South Peninsula District and 1,353.3 km<sup>2</sup> in the Chignik District (Appendix B2).

## **Tanner Crab**

The 2017 trawl survey of the South Peninsula District caught 5,059 Tanner crab. The number per haul ranged from 0 to 457 Tanner crab, with the highest CPUE of 247 crab per km towed in the Eastern Section, near West Nagai Strait, station 334 (Figure 15). The mean CW of Tanner crab in the South Peninsula District was 73.3 mm for males and 52.5 mm for females. The dominant size class mode for both males and females was at 25 mm CW (Figure 4). Sublegal male crab <70 mm CW accounted for 52.7% (1,528) of the total male Tanner crab captured in the South

Peninsula District survey with most of those found in West Nagai Strait (Table 2; Figures 16 and 17).

Tanner crab abundance estimates for each station in the South Peninsula District were summed by surveyed locale and management section (Appendix D2). Tanner crab abundance in the surveyed portion of the South Peninsula District was estimated at 9.7 million crab, a decrease from 14.9 million crab in 2016 (Table 7). In 2017 decreases in Tanner crab abundance were seen among all groups of crab except juvenile females and sublegal males <70 mm CW (Figure 18). Estimated abundance of legal-sized male Tanner crab decreased to 0.1 million crab in 2017 from 0.8 million crab in 2016. Tanner crab abundance estimates from the 2017 survey did not meet regulatory requirements to open a commercial fishery in the Eastern or Western sections of the South Peninsula District in 2018 (5 AAC 35.507; Table 4).

The 2017 Chignik District bottom trawl survey captured 5,900 Tanner crab with catches ranging from 2 to 650 Tanner crab per haul. Mitrofanina Island showed the highest CPUE of Tanner crab at 351 crab per km towed from Station 4066B (Figure 15). The mean Tanner crab CW in the Chignik District was 49.5 mm for males and 46.8 mm for females. Similar to the South Peninsula District, in Chignik the dominant size class mode for both males and females was 25 mm CW (Figure 4). Juvenile males with soft/new pliable or new shell conditions accounted for 87.3% (2,645) of the total male Tanner crab captured in the Chignik survey (Table 2), compared to 44.1% in 2016 (Spalinger 2017). Mitrofanina had the highest number of new shell male crab, while Chignik Bay had the highest number of old and very old shell male crab in the Chignik District (Figures 19 and 20).

Abundance estimates for Tanner crab in each station of the Chignik District were summed by surveyed locale (Appendix D3). The 2017 Chignik District Tanner crab abundance was estimated at 9.0 million crab, an increase from 2.0 million crab in 2016 and the 5<sup>th</sup> lowest abundance estimate in survey history (Table 7). Juvenile female crab and male crab <70 mm CW showed the largest increases from the prior year (Figure 21). The estimated abundance of legal-sized male Tanner crab in 2017 increased slightly to 73,537 crab in 2017 from the survey low of 56,509 crab in 2016 (Table 7). Mature male abundance estimates from the 2017 survey did not meet regulatory requirements to open commercial Tanner crab fishing in the Chignik District in 2018 (5 AAC 35.507; Table 4).

In 2017 the estimated number of mature female Tanner crab decreased by 5.0 million crab from the 2016 estimate in the South Peninsula District and increased by 0.3 million crab in the Chignik District (Table 7). Egg clutches that were more than half full were found in 86.4% (559) of the 647 mature female Tanner crab examined in the South Peninsula District and in 81.6% (473) of the 580 mature females in the Chignik District (Figure 22). Multiparous females in the South Peninsula District accounted for 92.7% (600) of mature female Tanner crab examined in 2017 compared to 78.5% in 2016 (Spalinger 2017). In the Chignik District, 84.0% (487) of mature females examined during the 2017 survey were multiparous, similar to 2016 (82.7%; Spalinger 2017).

### **Red King Crab**

The Alaska Peninsula king crab management area consists of waters west of Cape Kumlik and east of Scotch Cap Light (5 AAC 34.500), approximately corresponding to the South Peninsula and Chignik Tanner crab management district boundaries. The 2017 abundance estimate was 208,080 crab, similar to 208,789 crab estimated in 2016 (Table 5). A total of 166 male and 91

female red king crab were captured in the Alaska Peninsula Area, most of which were from Pavlof and Volcano bays (Figure 10). Male king crab mean carapace length was 160.2 mm and female red king crab mean carapace length was 131.4 mm. The majority (69.7%; 88 crab) of female king crab examined were mature. The patchy distribution of king crab in the sampling areas contributes to large changes in abundance estimates that may not be reflective of a changing population.

## **Groundfish**

The CPUE of all species from sample hauls in the South Alaska Peninsula and Chignik groundfish registration areas was 539 kg/km towed, with groundfish species comprising 86.7% of the total animal catch. Flathead sole (30.9%), arrowtooth flounder (17.1%), and yellowfin sole (13.2%) were the dominant species by weight captured in the survey followed by walleye pollock (6.7%) and Pacific halibut (3.8%; Table 8). These species have been among the top 10 species in recent surveys (Spalinger 2013, 2014, 2015a, 2016, 2017; Figure 12).

Length measurements were taken from 17,701 fish representing 37 groundfish species in the South Alaska Peninsula and Chignik areas. Arrowtooth flounder and flathead sole were found area-wide (Figure 23). The largest concentrations of northern rock sole were west of Kupreanof Point, as were the highest concentrations of yellowfin sole (Figure 23). Sablefish were found in small numbers along the Alaska Peninsula (Figure 24). Rougheye rockfish were more abundant east of Kupreanof Point, while Pacific cod were abundant throughout the survey area. Walleye pollock were found along the Alaska Peninsula, in greatest numbers west of Kupreanof Point (Figure 24).

## **EASTERN ALEUTIAN**

In the Eastern Aleutian Tanner crab District, 21 hauls (haul numbers 264–284) were completed from August 1 to August 6 (Appendices C13–C14). The total area used to determine abundance estimates was 455.6 km<sup>2</sup> (Appendix B2).

### **Tanner Crab**

The 2017 Eastern Aleutian District survey captured 3,500 male and 7,425 female Tanner crab. Tanner crab catch ranged from 0 to 4,389 animals per haul, with the highest CPUE of 2,370 crab per km towed in Akutan Bay at Station AKD (Figure 25). Mean CW was 76.1 mm for males and 72.7 mm for females. Size frequencies of male Tanner crab in the Eastern Aleutian District showed a mode at 45 mm CW (Figure 4). Females had a predominant size mode of larger crab at 80 mm CW, and also a smaller mode between 45 mm CW and 50 mm CW. Of the 679 mature female Tanner crab sampled, 79.7% (541) had an egg clutch greater than half full (Figure 22).

Tanner crab abundance estimates for each station were summed by management section (Appendix D4). The Tanner crab abundance estimate for the Eastern Aleutian District in 2017 was 10.1 million crab, an increase from 2.7 million crab in 2016 (Table 9). The 2017 legal-sized male Tanner crab abundance was estimated to be 128,867 crab, an increase from 40,852 legal males in 2016, with Makushin Bay having the largest abundance of legal-sized male crab. Based on the Tanner crab harvest strategy (5 AAC 35.509), only the Makushin/Skan Bay Section was above the mature male abundance threshold, and satisfied the minimum GHL criteria to open a fishery (Table 4). The 2018 Eastern Aleutian District Tanner crab fishery opened to commercial fishing in the Makushin/Skan Bay Section.

## Red King Crab

Red king crab abundance in the surveyed areas around Akutan and Unalaska islands remains at historic low levels. A total of 1 male red king crab and 1 female red king crab were captured during the 2017 trawl survey in Makushin Bay.

## Groundfish

The 2017 trawl survey stations in the Eastern Aleutian Tanner crab District are within the Aleutian Islands District of the Bering Sea-Aleutian Islands groundfish Registration Area. The CPUE of all species from sample hauls was 569 kg/km towed, with groundfish species comprising 86.6% of the animal catch. Arrowtooth flounder was the dominant species by weight (35.5%), followed by walleye pollock (22.7%), flathead sole (11.8%), Tanner crab (7.8%), and Pacific cod (4.6%; Table 10, Figure 12).

Length measurements were taken from 3,031 fish representing 24 species during the 2017 eastern Aleutian survey. Arrowtooth flounder, flathead sole, Pacific cod, and walleye pollock were common around Unalaska and Akutan islands (Figures 26 and 27). Most northern and southern rock sole were found around Unalaska and Akutan bays (Figure 26). Yellowfin sole were not observed in Akutan or Makushin bays (Figure 26). Sablefish were found in small numbers around Akutan and Unalaska islands, while rougheye rockfish were only found in Unalaska Bay (Figure 27).

## WEATHERVANE SCALLOPS

Weathervane scallop shell height measurements were collected during the 2017 survey. Ninety-one percent of all weathervane scallops caught were located in the Kodiak Area (Figure 28). The 3,808 scallops caught averaged 136.4 mm in shell height (Figure 29). This was a decrease from 149.8 mm in 2016 and the smallest average height since scallop measurements were first collected in 1999 (Figure 30).

## SKATES

Skate species, sex, and length were determined for each skate caught during the 2017 trawl survey. A total of 2,520 skates were captured and measured from all districts surveyed. Bering skates comprised 37.4% (943) of the total number of skates caught and averaged 28.4 cm from snout to anterior notch of the pectoral fin (Figure 31). Longnose skates made up 29.1% (733) of the total number of skates caught and averaged 43.3 cm in length. Big skates accounted for 24.6% (621) of the number of skates caught and had an average length of 55.9 cm. Aleutian skates accounted for 6.8% (172) of all skates caught and averaged 59.6 cm, whereas Alaska skates made up 1.9% (49) and averaged 49.6 cm (Figure 31). There were also 2 mud skates *B. taranetzi* captured in 2017 with an average length of 33.5 cm and composing 0.1% of skates caught. Larger skate species, big and Aleutian skates, were mostly female (big skates: 79.4% (493) female; Aleutian skates: 70.4% (121) female), whereas the smaller species (mud, Bering, longnose, and Alaska skates) were composed of 50.0 % (1), 49.5% (467), 47.5% (348), and 34.7% (17) females respectively. Although Bering skates were the most abundant skate species encountered during the survey, they accounted for only 10.2% (1,419 kg) of the total skate catch by weight. Big skates accounted for 50.1% (6,983 kg) of the total skate catch by weight.

Skates were captured throughout the survey area, although species abundance varied by area. Bering skates were most abundant around Kodiak and Unalaska islands but were absent from

bays along the Alaska Peninsula west of Kupreanof Point (Figure 32). Aleutian and Alaska skates were found throughout the survey area with higher catches of Aleutian skates east of Kupreanof Point (Figure 32). Most longnose skates were captured east of Kupreanof Point (Figure 33). Big skates were common throughout the survey area east of Akutan Island (Figure 33).

## **WATER TEMPERATURE**

Near-bottom water temperatures (~2 m above sea floor) ranged from 2.13°C (Deadman Bay, station ALQ) to 10.95°C (Terror Bay, Station KUYB), with an average of 6.10°C (Appendix B1). Deadman Bay, sampled during late June at an average depth of 146 m, had the coolest average near-bottom temperature (2.16° C). Kukak Bay, sampled during late August at an average depth of 94 m, had the warmest average temperature (8.89°C; Figure 34).

The average near-bottom survey temperature in 2017 was 1.19°C lower than 2016. Average temperatures increased from 2012 to 2016, but declined in 2017. The 2017 average is the lowest since 2013 (Table 11).

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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, 1988–2017.

| 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   |

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

Table 2.—Number of male red king and male Tanner crabs by management unit, crab cohort, and shell condition captured in the 2017 large-mesh bottom trawl survey.

|                                     |                                      | SHELL CONDITION      |        |       |                            |        |
|-------------------------------------|--------------------------------------|----------------------|--------|-------|----------------------------|--------|
| Cohort                              | Definition                           | Soft/ New<br>pliable | New    | Old   | Very old/<br>Very very old | Total  |
| Kodiak Area red king crab           |                                      |                      |        |       |                            |        |
| Prerecruit IV                       | < 95 mm CL                           | 0                    | 3      | 0     | 0                          | 3      |
| Prerecruit III                      | 95–112 mm CL                         | 0                    | 7      | 0     | 0                          | 7      |
| Prerecruit II                       | 113–130 mm CL                        | 0                    | 61     | 0     | 0                          | 61     |
| Prerecruit I                        | >130 mm CL and sublegal              | 0                    | 37     | 0     | 0                          | 37     |
| Recruit                             | <164 mm CL and legal soft/new        | 0                    | 24     | –     | –                          | 24     |
| Postrecruit                         | ≥164 mm CL or legal and not soft/new | 1                    | 57     | 38    | 91                         | 187    |
| Total                               |                                      | 1                    | 189    | 38    | 91                         | 319    |
| 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                    | 8      | 0     | 0                          | 8      |
| Prerecruit I                        | >115 mm CL and sublegal              | 0                    | 17     | 1     | 0                          | 18     |
| Recruit                             | <152 mm CL and legal soft/new        | 0                    | 22     | –     | –                          | 22     |
| Postrecruit                         | ≥152 mm CL or legal and not soft/new | 2                    | 71     | 20    | 24                         | 117    |
| Total                               |                                      | 2                    | 119    | 21    | 24                         | 166    |
| Kodiak District Tanner crab         |                                      |                      |        |       |                            |        |
| Prerecruit IV                       | <70 mm CW                            | 2,221                | 10,246 | 20    | 8                          | 12,495 |
| Prerecruit III                      | 70–91 mm CW                          | 183                  | 1,950  | 70    | 53                         | 2,256  |
| Prerecruit II                       | 92–114 mm CW                         | 158                  | 1,551  | 531   | 431                        | 2,671  |
| Prerecruit I                        | ≥115 mm CW and sublegal              | 921                  | 3,273  | 1,301 | 695                        | 6,190  |
| Recruit                             | <165 mm CW and legal soft/new        | 796                  | 1,335  | –     | –                          | 2,131  |
| Postrecruit                         | ≥165 mm CW or legal and not soft/new | 0                    | 15     | 208   | 207                        | 430    |
| Total                               |                                      | 4,279                | 18,370 | 2,130 | 1,394                      | 26,173 |
| Mature only                         | ≥115 mm CW                           | 1,717                | 4,623  | 1,509 | 902                        | 8,751  |
| Chignik District Tanner crab        |                                      |                      |        |       |                            |        |
| Prerecruit IV                       | <70 mm CW                            | 490                  | 1,906  | 0     | 0                          | 2,396  |
| Prerecruit III                      | 70–91 mm CW                          | 38                   | 116    | 9     | 2                          | 165    |
| Prerecruit II                       | 92–114 mm CW                         | 32                   | 63     | 28    | 52                         | 175    |
| Prerecruit I                        | ≥115 mm CW and sublegal              | 6                    | 93     | 42    | 82                         | 223    |
| Recruit                             | <165 mm CW and legal soft/new        | 2                    | 63     | –     | –                          | 65     |
| Postrecruit                         | ≥165 mm CW or legal and not soft/new | 0                    | 0      | 2     | 4                          | 6      |
| Total                               |                                      | 568                  | 2,241  | 81    | 140                        | 3,030  |
| Mature only                         | ≥115 mm CW                           | 8                    | 156    | 44    | 86                         | 294    |

-continued-

Table 2.–Page 2 of 2.

|                                       |                                      | SHELL CONDITION      |       |     |                            |       |
|---------------------------------------|--------------------------------------|----------------------|-------|-----|----------------------------|-------|
| Cohort                                | Definition                           | Soft/ New<br>pliable | New   | Old | Very old/<br>Very very old | Total |
| South Peninsula District Tanner crab  |                                      |                      |       |     |                            |       |
| Prerecruit IV                         | <70 mm CW                            | 308                  | 1,219 | 1   | 0                          | 1,528 |
| Prerecruit III                        | 70–91 mm CW                          | 17                   | 97    | 3   | 4                          | 121   |
| Prerecruit II                         | 92–114 mm CW                         | 12                   | 182   | 45  | 99                         | 338   |
| Prerecruit I                          | ≥115 mm CW and sublegal              | 4                    | 492   | 78  | 199                        | 773   |
| Recruit                               | <165 mm CW and legal soft/new        | 0                    | 97    | –   | –                          | 97    |
| Postrecruit                           | ≥165 mm CW or legal and not soft/new | 0                    | 0     | 11  | 33                         | 44    |
| Total                                 |                                      | 341                  | 2,087 | 138 | 335                        | 2,901 |
| Mature only                           | ≥115 mm CW                           | 4                    | 589   | 89  | 232                        | 914   |
| Eastern Aleutian District Tanner crab |                                      |                      |       |     |                            |       |
| Prerecruit IV                         | <70 mm CW                            | 199                  | 1,575 | 2   | 0                          | 1,776 |
| Prerecruit III                        | 70–91 mm CW                          | 1                    | 365   | 67  | 67                         | 500   |
| Prerecruit II                         | 92–114 mm CW                         | 3                    | 284   | 169 | 186                        | 642   |
| Prerecruit I                          | ≥115 mm CW and sublegal              | 0                    | 87    | 204 | 132                        | 423   |
| Recruit                               | <165 mm CW and legal soft/new        | 2                    | 12    | –   | –                          | 14    |
| Postrecruit                           | ≥165 mm CW or legal and not soft/new | 0                    | 0     | 92  | 50                         | 142   |
| Total                                 |                                      | 205                  | 2,323 | 534 | 435                        | 3,497 |
| Mature only                           | ≥115 mm CW                           | 2                    | 99    | 296 | 182                        | 579   |

Note: En dashes indicate not applicable.

Table 3.—Tanner crab abundance estimates from large-mesh bottom trawl surveys in the Kodiak District, 1988–2017.

|                   | Females    |           |            | Number sublegal males by size (CW) |           |           |           | Recruit<br>males | Postrecruit males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|-------------------|------------|-----------|------------|------------------------------------|-----------|-----------|-----------|------------------|------------------------|---------|----------------|----------------|---------------|
| Year              | Juvenile   | Mature    | Total      | <70 mm                             | 70–91 mm  | 92–114 mm | >114 mm   |                  | <165 mm                | ≥165 mm |                |                |               |
| Northeast Section |            |           |            |                                    |           |           |           |                  |                        |         |                |                |               |
| 1988              | 1,630,762  | 234,651   | 1,865,410  | 1,521,941                          | 292,778   | 271,513   | 330,972   | 189,767          | 15,536                 | 13,807  | 219,110        | 2,636,315      | 4,501,727     |
| 1989              | 4,102,889  | 3,120,366 | 7,223,255  | 3,921,034                          | 1,221,125 | 1,346,371 | 1,124,565 | 602,640          | 86,462                 | 114,652 | 803,756        | 8,416,850      | 15,640,105    |
| 1990              | 1,328,388  | 2,056,603 | 3,384,991  | 1,097,187                          | 1,090,554 | 755,329   | 608,856   | 256,700          | 59,039                 | 54,797  | 370,534        | 3,922,466      | 7,307,458     |
| 1991              | 3,427,808  | 1,894,924 | 5,322,734  | 2,837,563                          | 1,227,405 | 1,202,318 | 1,043,081 | 428,157          | 23,871                 | 52,116  | 504,147        | 6,814,517      | 12,137,248    |
| 1992              | 1,686,845  | 1,278,938 | 2,965,784  | 1,329,572                          | 1,172,958 | 890,239   | 776,334   | 207,279          | 14,039                 | 7,070   | 228,386        | 4,397,483      | 7,363,270     |
| 1993              | 1,432,940  | 1,039,391 | 2,472,334  | 1,333,380                          | 340,021   | 525,424   | 592,685   | 264,729          | 31,637                 | 16,787  | 313,153        | 3,104,662      | 5,576,997     |
| 1994              | 440,533    | 1,161,521 | 1,602,053  | 149,768                            | 239,864   | 434,372   | 96,667    | 91,792           | 2,401                  | 625,232 | 190,860        | 1,464,446      | 3,066,499     |
| 1995              | 3,752,250  | 1,214,569 | 4,966,819  | 3,675,881                          | 878,260   | 269,577   | 335,922   | 9,039            | 124,138                | 0       | 133,177        | 5,292,815      | 10,259,633    |
| 1996              | 1,912,715  | 2,302,910 | 4,215,629  | 1,514,878                          | 2,332,954 | 1,096,662 | 398,858   | 29,473           | 51,094                 | 1,604   | 82,171         | 5,425,523      | 9,641,149     |
| 1997              | 379,433    | 935,783   | 1,315,214  | 436,913                            | 869,379   | 1,007,484 | 560,733   | 44,203           | 22,402                 | 0       | 68,883         | 2,943,396      | 4,258,613     |
| 1998              | 1,383,819  | 2,325,285 | 3,709,105  | 1,025,277                          | 2,159,050 | 1,803,166 | 1,408,517 | 222,130          | 40,589                 | 11,255  | 273,975        | 6,669,986      | 10,379,086    |
| 1999              | 1,553,845  | 851,680   | 2,405,526  | 1,767,972                          | 255,346   | 558,088   | 715,093   | 168,115          | 98,924                 | 1,904   | 268,945        | 3,565,446      | 5,970,974     |
| 2000              | 5,704,136  | 1,475,947 | 7,180,080  | 5,594,824                          | 1,147,652 | 703,341   | 811,750   | 293,880          | 227,555                | 12,238  | 533,675        | 8,791,241      | 15,971,322    |
| 2001              | 14,094,656 | 4,872,780 | 18,967,439 | 13,622,529                         | 5,042,356 | 2,846,411 | 1,495,486 | 157,690          | 257,606                | 2,963   | 418,258        | 23,425,036     | 42,392,477    |
| 2002              | 3,524,427  | 2,385,993 | 5,910,419  | 3,775,736                          | 2,432,295 | 2,361,790 | 1,639,344 | 186,216          | 45,329                 | 0       | 231,546        | 10,440,705     | 16,351,124    |
| 2003              | 1,409,466  | 2,615,606 | 4,025,071  | 1,540,636                          | 1,689,696 | 2,938,869 | 2,673,429 | 356,077          | 133,550                | 6,148   | 495,777        | 9,338,398      | 13,363,472    |
| 2004              | 2,651,777  | 4,260,341 | 6,912,119  | 2,360,296                          | 1,221,360 | 2,052,940 | 2,953,781 | 875,891          | 129,813                | 12,533  | 1,018,239      | 9,606,617      | 16,518,733    |
| 2005              | 3,631,110  | 3,094,318 | 6,725,425  | 3,933,422                          | 1,439,686 | 1,419,878 | 2,802,277 | 790,716          | 264,016                | 4,905   | 1,059,636      | 10,654,890     | 17,380,317    |
| 2006              | 8,340,276  | 1,733,887 | 10,074,165 | 7,453,502                          | 2,228,019 | 914,781   | 912,671   | 122,964          | 112,171                | 7,489   | 242,624        | 11,751,595     | 21,825,756    |
| 2007              | 5,606,114  | 2,014,429 | 7,620,552  | 4,038,766                          | 2,282,508 | 2,270,599 | 1,951,415 | 173,364          | 188,475                | 0       | 361,837        | 10,905,123     | 18,525,668    |
| 2008              | 6,085,883  | 3,010,942 | 9,096,823  | 5,529,663                          | 1,822,588 | 2,531,748 | 1,744,042 | 214,053          | 97,536                 | 3,697   | 315,285        | 11,943,325     | 21,040,150    |
| 2009              | 3,171,509  | 1,906,897 | 5,078,409  | 2,634,387                          | 2,907,862 | 3,087,715 | 2,716,467 | 666,825          | 29,301                 | 0       | 696,127        | 12,042,551     | 17,120,959    |
| 2010              | 2,576,574  | 3,940,024 | 6,516,600  | 2,379,450                          | 1,610,640 | 1,058,419 | 2,159,621 | 499,837          | 292,814                | 13,066  | 805,717        | 8,013,844      | 14,530,442    |
| 2011              | 1,184,358  | 951,698   | 2,136,057  | 1,245,659                          | 204,063   | 376,750   | 873,125   | 86,136           | 182,328                | 2,363   | 281,693        | 2,981,284      | 5,117,339     |
| 2012              | 4,155,939  | 605,221   | 4,761,158  | 4,055,429                          | 164,548   | 205,760   | 574,211   | 38,415           | 170,673                | 0       | 209,087        | 5,209,037      | 9,970,194     |
| 2013              | 25,030,918 | 938,563   | 25,969,480 | 24,684,698                         | 1,490,903 | 415,811   | 228,588   | 34,034           | 67,800                 | 0       | 106,454        | 26,926,455     | 52,895,931    |
| 2014              | 5,720,166  | 3,931,225 | 9,651,389  | 4,659,105                          | 2,721,889 | 1,440,196 | 346,277   | 11,901           | 122,229                | 6,218   | 140,348        | 9,307,818      | 18,959,208    |
| 2015              | 435,407    | 1,543,857 | 1,979,265  | 439,703                            | 820,670   | 567,931   | 194,394   | 21,733           | 29,200                 | 0       | 50,932         | 2,073,635      | 4,052,897     |
| 2016              | 759,351    | 1,268,993 | 2,028,343  | 652,806                            | 352,283   | 436,626   | 229,991   | 16,261           | 39,221                 | 0       | 55,482         | 1,727,188      | 3,755,531     |
| 2017              | 2,695,084  | 1,603,646 | 4,298,733  | 3,150,077                          | 315,008   | 504,640   | 360,623   | 27,072           | 23,631                 | 477     | 51,179         | 4,381,522      | 8,680,255     |
| Eastside Section  |            |           |            |                                    |           |           |           |                  |                        |         |                |                |               |
| 1988              | 2,061,299  | 762,131   | 2,823,428  | 1,599,121                          | 434,581   | 610,398   | 689,188   | 279,635          | 97,689                 | 1,914   | 379,236        | 3,712,512      | 6,535,935     |
| 1989              | 2,315,842  | 3,430,969 | 5,746,810  | 1,979,980                          | 1,228,590 | 1,375,295 | 1,265,912 | 803,733          | 265,072                | 29,979  | 1,098,782      | 6,948,552      | 12,695,354    |

-continued-

Table 3.–Page 2 of 7.

| Year              | Females    |            |            | Number sublegal males by size (CW) |            |            |            | Recruit<br>males | Postrecruit males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|-------------------|------------|------------|------------|------------------------------------|------------|------------|------------|------------------|------------------------|---------|----------------|----------------|---------------|
|                   | Juvenile   | Mature     | Total      | <70 mm                             | 70–91 mm   | 92–114 mm  | >114 mm    |                  | <165 mm                | ≥165 mm |                |                |               |
| 1990              | 1,472,521  | 9,452,524  | 10,925,041 | 1,248,275                          | 667,516    | 1,940,947  | 3,844,980  | 751,361          | 134,360                | 57,684  | 943,405        | 8,645,116      | 19,570,158    |
| 1991              | 1,498,865  | 3,671,541  | 5,170,399  | 1,204,036                          | 305,078    | 661,606    | 2,677,115  | 2,997,741        | 494,675                | 38,636  | 3,531,054      | 8,378,878      | 13,549,275    |
| 1992              | 1,494,597  | 1,955,463  | 3,450,056  | 1,613,212                          | 331,773    | 502,134    | 1,594,419  | 525,304          | 267,165                | 75,584  | 868,053        | 4,909,577      | 8,359,627     |
| 1993              | 1,719,650  | 1,500,333  | 3,219,977  | 1,357,111                          | 252,168    | 402,736    | 989,366    | 115,839          | 348,460                | 14,328  | 478,628        | 3,479,992      | 6,699,967     |
| 1994              | 1,767,160  | 566,400    | 2,333,558  | 705,158                            | 462,351    | 568,095    | 47,946     | 120,912          | 2,837                  | 739,790 | 171,694        | 3,217,166      | 5,550,722     |
| 1995              | 3,792,461  | 505,129    | 4,297,586  | 3,321,664                          | 594,245    | 456,053    | 410,938    | 28,656           | 84,036                 | 2,394   | 115,085        | 4,897,976      | 9,195,561     |
| 1996              | 2,070,985  | 916,541    | 2,987,523  | 2,159,913                          | 704,721    | 609,763    | 848,358    | 107,362          | 179,489                | 14,539  | 301,388        | 4,624,138      | 7,611,664     |
| 1997              | 800,291    | 652,062    | 1,452,355  | 771,288                            | 677,803    | 724,276    | 707,297    | 117,305          | 103,542                | 15,558  | 236,405        | 3,117,062      | 4,569,415     |
| 1998              | 4,390,229  | 2,431,287  | 6,821,511  | 3,854,716                          | 1,767,292  | 2,715,320  | 2,215,788  | 288,234          | 397,429                | 74,273  | 759,934        | 11,313,050     | 18,134,560    |
| 1999              | 6,267,399  | 1,468,370  | 7,735,763  | 5,090,059                          | 394,774    | 1,033,098  | 1,941,389  | 368,285          | 568,053                | 87,803  | 1,024,143      | 9,483,445      | 17,219,206    |
| 2000              | 5,345,242  | 3,360,682  | 8,705,921  | 5,136,356                          | 1,536,289  | 683,544    | 1,706,929  | 486,668          | 769,101                | 69,842  | 1,325,611      | 10,388,716     | 19,094,636    |
| 2001              | 28,271,214 | 3,092,285  | 31,363,498 | 22,768,490                         | 3,233,656  | 1,454,585  | 1,159,217  | 72,143           | 984,133                | 78,208  | 1,134,484      | 29,750,428     | 61,113,925    |
| 2002              | 14,180,072 | 4,646,177  | 18,826,250 | 4,110,650                          | 8,122,154  | 2,836,534  | 1,409,594  | 275,211          | 665,910                | 36,365  | 977,484        | 17,456,408     | 36,282,658    |
| 2003              | 2,520,605  | 8,553,327  | 11,073,935 | 2,649,111                          | 2,922,961  | 10,092,328 | 5,074,824  | 215,854          | 358,600                | 19,061  | 593,514        | 21,332,730     | 32,406,665    |
| 2004              | 4,249,060  | 2,426,488  | 6,675,551  | 3,825,810                          | 1,107,990  | 3,296,833  | 8,524,404  | 1,236,288        | 203,839                | 12,760  | 1,452,887      | 18,207,923     | 24,883,473    |
| 2005              | 1,553,368  | 3,316,472  | 4,869,840  | 1,768,248                          | 131,919    | 1,258,057  | 6,796,866  | 3,034,483        | 535,098                | 51,861  | 3,621,441      | 13,576,526     | 18,446,367    |
| 2006              | 31,187,557 | 559,421    | 31,746,977 | 27,974,217                         | 510,696    | 575,638    | 4,639,044  | 756,712          | 1,900,603              | 23,263  | 2,680,581      | 36,380,161     | 68,127,135    |
| 2007              | 41,718,044 | 2,376,973  | 44,095,012 | 21,272,982                         | 25,931,589 | 1,599,981  | 3,770,602  | 206,871          | 1,427,355              | 18,357  | 1,652,582      | 54,227,724     | 98,322,733    |
| 2008              | 9,145,867  | 14,169,105 | 23,314,969 | 6,721,840                          | 4,619,632  | 12,189,763 | 2,611,890  | 96,559           | 991,192                | 31,642  | 1,119,393      | 27,262,511     | 50,577,476    |
| 2009              | 2,968,693  | 8,962,999  | 11,931,690 | 708,414                            | 3,452,835  | 5,043,296  | 12,248,939 | 2,136,073        | 251,967                | 34,437  | 2,422,474      | 23,875,940     | 35,807,628    |
| 2010              | 2,270,143  | 6,443,397  | 8,713,543  | 1,984,618                          | 271,378    | 2,203,722  | 10,027,463 | 3,508,602        | 1,058,224              | 103,388 | 4,670,212      | 19,157,376     | 27,870,920    |
| 2011              | 5,202,385  | 2,592,195  | 7,794,580  | 5,097,964                          | 103,753    | 550,828    | 4,158,718  | 1,066,462        | 1,253,650              | 55,022  | 2,375,133      | 12,286,383     | 20,080,961    |
| 2012              | 2,580,888  | 523,392    | 3,104,280  | 2,551,539                          | 114,171    | 439,367    | 3,764,517  | 551,200          | 1,970,519              | 133,426 | 2,655,144      | 9,524,728      | 12,629,005    |
| 2013              | 30,969,141 | 540,183    | 31,509,324 | 29,649,164                         | 1,407,170  | 427,549    | 1,094,291  | 13,854           | 608,505                | 28,115  | 650,473        | 33,228,639     | 64,737,959    |
| 2014              | 20,997,829 | 1,677,985  | 22,675,817 | 14,308,109                         | 6,813,026  | 1,302,105  | 589,386    | 13,148           | 275,957                | 1,128   | 290,233        | 23,302,864     | 45,978,679    |
| 2015              | 1,445,145  | 3,578,999  | 5,024,143  | 1,228,244                          | 2,565,413  | 3,424,944  | 638,483    | 78,122           | 65,453                 | 13,843  | 157,417        | 8,014,492      | 13,038,638    |
| 2016              | 1,180,484  | 8,881,760  | 10,062,242 | 1,137,607                          | 1,906,346  | 6,641,137  | 5,290,295  | 309,345          | 176,073                | 4,052   | 489,469        | 15,464,847     | 25,527,085    |
| 2017              | 8,011,302  | 3,886,433  | 11,897,736 | 6,692,487                          | 939,577    | 2,014,575  | 4,161,036  | 763,285          | 230,021                | 10,133  | 1,003,438      | 14,811,106     | 26,708,842    |
| Southeast Section |            |            |            |                                    |            |            |            |                  |                        |         |                |                |               |
| 1988              | 205,391    | 306,388    | 511,777    | 160,392                            | 160,858    | 426,837    | 1,077,533  | 746,692          | 123,661                | 49,324  | 919,676        | 2,745,287      | 3,257,067     |
| 1989              | 903,462    | 492,317    | 1,395,778  | 688,803                            | 93,443     | 180,551    | 522,388    | 184,966          | 75,168                 | 12,642  | 272,775        | 1,757,954      | 3,153,725     |
| 1990              | 1,122,473  | 731,106    | 1,853,577  | 1,057,451                          | 107,489    | 225,073    | 525,876    | 289,966          | 101,413                | 4,420   | 395,799        | 2,311,677      | 4,165,252     |
| 1991              | 4,643,290  | 916,448    | 5,559,736  | 4,419,715                          | 420,967    | 263,630    | 345,159    | 176,786          | 35,702                 | 7,382   | 219,871        | 5,669,332      | 11,229,066    |
| 1992              | 2,150,176  | 1,294,433  | 3,444,604  | 1,640,451                          | 692,489    | 446,230    | 573,374    | 32,883           | 142,802                | 10,199  | 185,885        | 3,538,424      | 6,983,021     |

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Table 3.–Page 3 of 7.

| Year              | Females    |           |            | Number sublegal males by size (CW) |           |           |           | Recruit<br>males | Postrecruit males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|-------------------|------------|-----------|------------|------------------------------------|-----------|-----------|-----------|------------------|------------------------|---------|----------------|----------------|---------------|
|                   | Juvenile   | Mature    | Total      | <70 mm                             | 70–91 mm  | 92–114 mm | >114 mm   |                  | <165 mm                | ≥165 mm |                |                |               |
| 1993              | 3,920,738  | 597,730   | 4,518,463  | 3,647,473                          | 249,339   | 433,304   | 414,432   | 27,357           | 116,327                | 8,769   | 152,453        | 4,896,999      | 9,415,458     |
| 1994              | 112,458    | 221,331   | 333,789    | 28,664                             | 86,943    | 473,013   | 107,893   | 54,496           | 4,252                  | 639,654 | 166,638        | 841,253        | 1,175,042     |
| 1995              | 2,670,117  | 107,497   | 2,777,610  | 2,375,567                          | 15,058    | 28,423    | 82,247    | 76,922           | 46,938                 | 2,370   | 126,229        | 2,627,521      | 5,405,129     |
| 1996              | 2,547,755  | 141,637   | 2,689,389  | 2,269,696                          | 484,343   | 110,861   | 124,290   | 55,489           | 68,127                 | 7,990   | 131,605        | 3,120,786      | 5,810,171     |
| 1997              | 457,206    | 140,330   | 597,536    | 360,968                            | 200,785   | 114,901   | 45,486    | 3,133            | 44,726                 | 1,337   | 49,197         | 771,332        | 1,368,867     |
| 1998              | 1,974,011  | 127,986   | 2,101,998  | 2,218,753                          | 47,419    | 92,558    | 227,904   | 28,851           | 26,243                 | 866     | 55,960         | 2,642,594      | 4,744,588     |
| 1999              | 3,919,534  | 158,773   | 4,078,305  | 4,019,039                          | 98,997    | 95,849    | 193,398   | 127,663          | 65,506                 | 8,583   | 201,751        | 4,609,036      | 8,687,340     |
| 2000              | 3,420,858  | 363,129   | 3,783,985  | 3,743,637                          | 301,838   | 76,008    | 186,518   | 19,080           | 126,209                | 253     | 145,543        | 4,453,533      | 8,237,516     |
| 2001              | 9,448,017  | 2,945,931 | 12,393,951 | 9,541,603                          | 2,255,870 | 344,924   | 321,770   | 48,095           | 222,346                | 13,686  | 284,129        | 12,748,291     | 25,142,241    |
| 2002              | 2,618,992  | 1,403,060 | 4,022,051  | 2,901,813                          | 4,190,180 | 2,507,979 | 381,296   | 21,057           | 336,139                | 4,949   | 362,146        | 10,343,409     | 14,365,454    |
| 2003              | 481,349    | 479,053   | 960,400    | 628,937                            | 1,557,932 | 1,715,093 | 976,621   | 51,970           | 91,267                 | 0       | 143,239        | 5,021,814      | 5,982,213     |
| 2004              | 4,553,549  | 359,686   | 4,913,231  | 4,316,869                          | 418,750   | 566,065   | 1,636,243 | 250,829          | 60,525                 | 0       | 311,351        | 7,249,275      | 12,162,505    |
| 2005              | 3,968,071  | 539,475   | 4,507,545  | 3,759,906                          | 373,861   | 476,640   | 1,483,977 | 102,187          | 210,177                | 1,411   | 313,777        | 6,408,150      | 10,915,692    |
| 2006              | 14,162,611 | 1,405,607 | 15,568,219 | 14,443,798                         | 991,870   | 552,530   | 1,063,339 | 7,675            | 298,219                | 0       | 305,893        | 17,357,428     | 32,925,645    |
| 2007              | 11,124,842 | 4,009,477 | 15,134,318 | 8,110,713                          | 8,461,823 | 2,078,980 | 1,129,380 | 10,109           | 295,360                | 0       | 305,470        | 20,086,357     | 35,220,673    |
| 2008              | 1,246,835  | 1,767,652 | 3,014,487  | 1,080,046                          | 1,680,529 | 3,417,448 | 1,306,242 | 28,029           | 125,176                | 0       | 153,204        | 7,637,464      | 10,651,945    |
| 2009              | 460,373    | 945,857   | 1,406,231  | 574,423                            | 561,598   | 1,239,465 | 3,226,378 | 685,687          | 41,942                 | 5,463   | 733,094        | 6,334,953      | 7,741,181     |
| 2010              | 2,752,975  | 1,196,211 | 3,949,185  | 2,139,892                          | 289,842   | 1,179,268 | 4,470,858 | 1,046,634        | 541,587                | 7,263   | 1,595,485      | 9,675,335      | 13,624,521    |
| 2011              | 1,676,276  | 390,308   | 2,066,583  | 1,789,232                          | 72,952    | 272,548   | 1,958,277 | 349,066          | 1,418,778              | 42,854  | 1,810,697      | 5,903,698      | 7,970,276     |
| 2012              | 2,633,029  | 114,102   | 2,747,131  | 2,285,865                          | 1,058,632 | 318,322   | 1,253,661 | 13,636           | 870,264                | 26,035  | 909,934        | 5,826,407      | 8,573,538     |
| 2013              | 14,727,401 | 323,947   | 15,051,345 | 12,916,858                         | 738,190   | 175,543   | 501,856   | 32,203           | 431,622                | 13,474  | 477,300        | 14,809,743     | 29,861,087    |
| 2014              | 7,391,645  | 3,226,075 | 10,617,721 | 4,998,984                          | 3,780,780 | 1,456,946 | 821,934   | 5,949            | 1,188,137              | 32,668  | 1,226,755      | 12,285,401     | 22,903,125    |
| 2015              | 496,492    | 791,280   | 1,287,772  | 379,009                            | 707,633   | 1,307,676 | 688,125   | 50,492           | 30,988                 | 990     | 82,470         | 3,164,907      | 4,452,675     |
| 2016              | 2,610,131  | 840,270   | 3,450,400  | 2,561,952                          | 57,970    | 276,964   | 1,074,156 | 49,106           | 135,266                | 0       | 184,372        | 4,155,412      | 7,605,809     |
| 2017              | 8,411,559  | 712,059   | 9,123,617  | 8,900,592                          | 2,230,451 | 480,018   | 476,787   | 84,920           | 104,725                | 1,458   | 191,103        | 12,278,940     | 21,402,556    |
| Southwest Section |            |           |            |                                    |           |           |           |                  |                        |         |                |                |               |
| 1988              | 170,503    | 163,010   | 333,513    | 147,327                            | 13,145    | 45,652    | 467,408   | 899,130          | 47,264                 | 42,716  | 989,111        | 1,662,646      | 1,996,158     |
| 1989              | 2,190,500  | 167,659   | 2,358,160  | 2,008,642                          | 117,696   | 146,712   | 409,792   | 188,979          | 103,330                | 57,677  | 349,988        | 3,032,831      | 5,390,992     |
| 1990              | 2,386,223  | 618,601   | 3,004,822  | 1,910,951                          | 845,766   | 478,801   | 509,858   | 43,360           | 48,813                 | 8,851   | 101,025        | 3,846,402      | 6,851,221     |
| 1991              | 1,263,826  | 222,587   | 1,486,415  | 1,022,587                          | 223,786   | 347,511   | 643,845   | 128,605          | 74,613                 | 6,090   | 209,309        | 2,447,040      | 3,933,450     |
| 1992              | 455,592    | 197,142   | 652,735    | 450,611                            | 152,337   | 318,610   | 234,215   | 264,484          | 66,834                 | 4,972   | 343,096        | 1,498,868      | 2,151,600     |
| 1993              | 6,635,495  | 244,706   | 6,880,201  | 6,153,372                          | 504,018   | 181,474   | 391,160   | 250,347          | 69,727                 | 13,352  | 333,425        | 7,563,455      | 14,443,652    |
| 1994              | 205,248    | 120,527   | 325,777    | 70,316                             | 60,386    | 145,272   | 128,502   | 23,030           | 7,394                  | 304,198 | 158,927        | 566,414        | 892,191       |
| 1995              | 150,726    | 91,130    | 241,856    | 136,754                            | 56,965    | 109,373   | 123,865   | 33,632           | 48,012                 | 0       | 81,642         | 508,600        | 750,456       |

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Table 3.–Page 4 of 7.

| Year             | Females    |           |            | Number sublegal males by size (CW) |           |           |           | Recruit<br>males | Postrecruit males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|------------------|------------|-----------|------------|------------------------------------|-----------|-----------|-----------|------------------|------------------------|---------|----------------|----------------|---------------|
|                  | Juvenile   | Mature    | Total      | <70 mm                             | 70–91 mm  | 92–114 mm | >114 mm   |                  | <165 mm                | ≥165 mm |                |                |               |
| 1996             | 346,288    | 44,723    | 391,011    | 324,729                            | 98,278    | 161,973   | 239,780   | 35,951           | 74,200                 | 1,536   | 111,689        | 936,445        | 1,327,459     |
| 1997             | 263,210    | 66,061    | 329,271    | 253,919                            | 101,323   | 81,930    | 185,074   | 123,659          | 88,079                 | 3,169   | 215,927        | 838,174        | 1,167,446     |
| 1998             | 237,613    | 36,579    | 274,194    | 230,680                            | 59,605    | 54,531    | 62,803    | 22,385           | 85,742                 | 2,193   | 110,323        | 517,941        | 792,136       |
| 1999             | 815,403    | 29,802    | 845,202    | 843,294                            | 56,048    | 44,878    | 175,884   | 33,257           | 119,806                | 4,314   | 157,380        | 1,277,483      | 2,122,687     |
| 2000             | 3,003,937  | 67,880    | 3,071,814  | 2,949,004                          | 184,394   | 113,293   | 166,972   | 54,803           | 104,346                | 714     | 159,863        | 3,573,527      | 6,645,340     |
| 2001             | 9,655,357  | 316,117   | 9,971,472  | 7,043,577                          | 3,524,938 | 295,460   | 216,927   | 116,958          | 74,560                 | 1,972   | 193,493        | 11,274,392     | 21,245,865    |
| 2002             | 2,502,575  | 972,134   | 3,474,706  | 1,587,174                          | 1,796,456 | 1,770,050 | 423,125   | 84,294           | 73,974                 | 1,974   | 160,243        | 5,737,043      | 9,211,752     |
| 2003             | 88,071     | 305,947   | 394,017    | 72,936                             | 332,445   | 777,843   | 1,292,737 | 112,745          | 88,748                 | 8,694   | 210,189        | 2,686,145      | 3,080,161     |
| 2004             | 336,728    | 307,894   | 644,621    | 304,927                            | 64,562    | 315,710   | 940,544   | 1,195,138        | 130,481                | 16,236  | 1,341,858      | 2,967,599      | 3,612,221     |
| 2005             | 590,697    | 224,679   | 815,379    | 562,877                            | 43,825    | 158,240   | 588,829   | 336,600          | 462,240                | 22,916  | 821,757        | 2,175,520      | 2,990,901     |
| 2006             | 6,038,059  | 597,821   | 6,635,882  | 7,028,088                          | 242,323   | 133,434   | 468,416   | 106,125          | 597,805                | 23,463  | 727,392        | 8,599,651      | 15,235,534    |
| 2007             | 10,357,207 | 1,416,520 | 11,773,729 | 8,392,449                          | 3,209,991 | 509,710   | 611,578   | 135,558          | 1,051,549              | 28,927  | 1,216,033      | 13,939,761     | 25,713,488    |
| 2008             | 5,802,830  | 3,572,935 | 9,375,768  | 2,263,701                          | 5,936,109 | 4,572,867 | 697,450   | 129,245          | 243,032                | 9,409   | 381,686        | 13,851,815     | 23,227,580    |
| 2009             | 365,497    | 2,243,247 | 2,608,743  | 183,276                            | 529,868   | 2,472,641 | 3,308,319 | 233,605          | 133,317                | 8,020   | 374,943        | 6,869,046      | 9,477,794     |
| 2010             | 40,940     | 3,096,850 | 3,137,790  | 24,411                             | 87,825    | 1,403,646 | 4,587,459 | 1,023,856        | 185,042                | 6,293   | 1,215,191      | 7,318,531      | 10,456,321    |
| 2011             | 346,439    | 661,146   | 1,007,584  | 335,528                            | 9,500     | 57,849    | 756,206   | 327,979          | 412,326                | 12,563  | 753,228        | 1,912,307      | 2,919,897     |
| 2012             | 645,852    | 699,003   | 1,344,856  | 686,600                            | 29,533    | 42,217    | 563,026   | 29,029           | 522,949                | 10,290  | 562,267        | 1,883,644      | 3,228,498     |
| 2013             | 19,146,831 | 231,581   | 19,378,412 | 18,627,853                         | 525,916   | 138,220   | 404,822   | 1,202            | 300,250                | 5,767   | 307,221        | 20,004,032     | 39,382,443    |
| 2014             | 5,392,720  | 363,227   | 5,755,945  | 5,534,731                          | 2,709,259 | 715,540   | 456,448   | 14,231           | 112,298                | 0       | 126,530        | 9,542,510      | 15,298,456    |
| 2015             | 1,344,303  | 1,080,845 | 2,425,147  | 669,631                            | 1,967,846 | 1,303,993 | 427,224   | 73,158           | 79,021                 | 2,407   | 154,586        | 4,523,284      | 6,948,431     |
| 2016             | 55,651     | 1,322,224 | 1,377,871  | 41,337                             | 391,928   | 1,306,211 | 933,779   | 57,200           | 30,240                 | 0       | 87,439         | 2,760,695      | 4,138,564     |
| 2017             | 457,304    | 332,188   | 789,492    | 508,877                            | 94,070    | 165,039   | 948,065   | 561,611          | 71,725                 | 0       | 633,336        | 2,349,389      | 3,138,881     |
| Westside Section |            |           |            |                                    |           |           |           |                  |                        |         |                |                |               |
| 1988             | 974,322    | 578,548   | 1,552,871  | 749,615                            | 52,332    | 208,397   | 279,051   | 143,332          | 18,421                 | 14,242  | 175,995        | 1,465,387      | 3,018,255     |
| 1989             | 3,495,983  | 559,026   | 4,055,009  | 2,778,136                          | 504,497   | 267,684   | 293,592   | 122,759          | 19,472                 | 5,872   | 148,103        | 3,992,007      | 8,047,020     |
| 1990             | 756,450    | 2,182,208 | 2,938,662  | 352,843                            | 689,731   | 401,179   | 472,666   | 104,971          | 57,647                 | 16,606  | 179,222        | 2,095,641      | 5,034,302     |
| 1991             | 192,204    | 582,097   | 774,301    | 130,432                            | 146,658   | 494,811   | 454,902   | 37,066           | 22,320                 | 4,950   | 64,336         | 1,291,138      | 2,065,439     |
| 1992             | 168,907    | 420,383   | 589,291    | 129,030                            | 171,208   | 217,488   | 309,164   | 118,442          | 46,407                 | 5,616   | 170,465        | 997,358        | 1,586,646     |
| 1993             | 397,675    | 575,892   | 973,569    | 266,120                            | 161,061   | 150,062   | 273,655   | 49,604           | 95,847                 | 7,188   | 152,638        | 1,003,542      | 1,977,111     |
| 1994             | 158,913    | 248,765   | 407,678    | 113,242                            | 74,756    | 90,261    | 31,732    | 42,413           | 0                      | 164,406 | 74,149         | 460,938        | 868,623       |
| 1995             | 168,930    | 403,189   | 572,120    | 108,065                            | 164,086   | 159,438   | 136,282   | 14,443           | 88,979                 | 2,203   | 105,625        | 673,497        | 1,245,621     |
| 1996             | 221,984    | 406,957   | 628,942    | 104,838                            | 263,795   | 293,384   | 226,222   | 36,715           | 99,629                 | 469     | 136,815        | 1,025,059      | 1,654,001     |
| 1997             | 221,626    | 676,562   | 898,189    | 83,886                             | 292,487   | 419,574   | 305,346   | 68,319           | 62,405                 | 2,605   | 133,329        | 1,234,624      | 2,132,814     |
| 1998             | 784,298    | 640,054   | 1,424,353  | 693,960                            | 170,752   | 290,665   | 228,482   | 30,694           | 53,771                 | 3,008   | 87,475         | 1,471,336      | 2,895,685     |

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Table 3.–Page 5 of 7.

| Year                   | Females   |           |            | Number sublegal males by size (CW) |           |           |           | Recruit<br>males | Postrecruit males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|------------------------|-----------|-----------|------------|------------------------------------|-----------|-----------|-----------|------------------|------------------------|---------|----------------|----------------|---------------|
|                        | Juvenile  | Mature    | Total      | <70 mm                             | 70–91 mm  | 92–114 mm | >114 mm   |                  | <165 mm                | ≥165 mm |                |                |               |
| 1999                   | 786,633   | 303,891   | 1,090,528  | 495,747                            | 389,828   | 252,141   | 208,931   | 43,439           | 102,079                | 8,631   | 154,151        | 1,500,799      | 2,591,322     |
| 2000                   | 857,983   | 673,744   | 1,531,726  | 529,492                            | 452,760   | 470,344   | 245,893   | 88,067           | 73,382                 | 11,132  | 172,580        | 1,871,072      | 3,402,796     |
| 2001                   | 1,838,858 | 867,797   | 2,706,655  | 1,454,818                          | 690,480   | 406,475   | 419,781   | 61,894           | 74,190                 | 9,850   | 145,933        | 3,117,483      | 5,824,141     |
| 2002                   | 527,722   | 793,616   | 1,321,340  | 314,807                            | 576,533   | 490,709   | 314,587   | 97,176           | 71,244                 | 9,680   | 178,098        | 1,874,738      | 3,196,077     |
| 2003                   | 571,353   | 1,595,583 | 2,166,935  | 527,990                            | 305,060   | 850,071   | 549,657   | 114,971          | 113,968                | 10,548  | 239,486        | 2,472,262      | 4,639,203     |
| 2004                   | 348,491   | 536,566   | 885,057    | 318,080                            | 123,002   | 164,582   | 183,539   | 105,808          | 75,246                 | 6,710   | 187,762        | 976,964        | 1,862,027     |
| 2005                   | 1,277,045 | 612,264   | 1,889,310  | 1,010,851                          | 367,489   | 312,238   | 187,999   | 58,631           | 114,705                | 6,418   | 179,753        | 2,058,329      | 3,947,639     |
| 2006                   | 2,743,480 | 1,978,839 | 4,722,322  | 2,050,866                          | 1,069,393 | 739,258   | 422,756   | 61,494           | 242,097                | 26,030  | 329,622        | 4,611,892      | 9,334,218     |
| 2007                   | 728,050   | 1,229,735 | 1,957,783  | 346,342                            | 1,001,330 | 638,751   | 366,951   | 55,293           | 203,496                | 12,441  | 271,233        | 2,624,613      | 4,582,398     |
| 2008                   | 1,512,322 | 1,677,824 | 3,190,145  | 1,337,898                          | 816,546   | 1,306,246 | 1,483,097 | 216,263          | 28,473                 | 18,447  | 263,184        | 5,206,972      | 8,397,115     |
| 2009                   | 1,035,614 | 1,624,414 | 2,660,033  | 801,669                            | 518,633   | 566,992   | 682,822   | 329,135          | 53,427                 | 10,634  | 393,196        | 2,963,312      | 5,623,343     |
| 2010                   | 487,127   | 1,154,821 | 1,641,949  | 449,979                            | 262,351   | 403,098   | 397,571   | 137,521          | 140,056                | 15,631  | 293,211        | 1,806,207      | 3,448,153     |
| 2011                   | 796,025   | 593,136   | 1,389,159  | 916,487                            | 63,828    | 96,545    | 199,071   | 42,043           | 101,665                | 20,900  | 164,608        | 1,440,538      | 2,829,697     |
| 2012                   | 1,230,971 | 597,219   | 1,828,189  | 1,210,838                          | 694,666   | 197,830   | 142,793   | 48,115           | 69,367                 | 20,940  | 138,422        | 2,384,545      | 4,212,734     |
| 2013                   | 1,845,911 | 747,783   | 2,593,693  | 1,486,423                          | 945,497   | 484,694   | 171,860   | 34,055           | 49,742                 | 3,942   | 87,740         | 3,176,216      | 5,769,909     |
| 2014                   | 487,317   | 1,304,339 | 1,791,657  | 201,481                            | 647,794   | 727,617   | 549,343   | 66,180           | 35,895                 | 3,573   | 105,649        | 2,231,879      | 4,023,534     |
| 2015                   | 777,276   | 421,494   | 1,198,774  | 653,892                            | 130,508   | 204,181   | 171,388   | 35,964           | 22,643                 | 1,588   | 60,195         | 1,220,160      | 2,418,936     |
| 2016                   | 1,234,892 | 1,170,363 | 2,405,251  | 860,496                            | 268,734   | 246,642   | 159,084   | 16,797           | 47,240                 | 929     | 64,969         | 1,599,927      | 4,005,178     |
| 2017                   | 1,443,291 | 1,200,162 | 2,643,450  | 976,148                            | 327,705   | 304,674   | 237,615   | 19,259           | 50,051                 | 1,718   | 71,028         | 1,917,171      | 4,560,623     |
| North Mainland Section |           |           |            |                                    |           |           |           |                  |                        |         |                |                |               |
| 1988                   | 3,770,435 | 864,800   | 4,635,231  | 3,407,068                          | 168,134   | 464,878   | 1,240,542 | 851,431          | 82,195                 | 27,343  | 960,966        | 6,241,575      | 10,876,804    |
| 1989                   | 4,234,103 | 1,436,881 | 5,670,976  | 4,215,321                          | 298,495   | 356,842   | 1,179,243 | 261,796          | 109,856                | 67,482  | 439,132        | 6,489,012      | 12,159,983    |
| 1990                   | 6,881,983 | 3,259,191 | 10,141,174 | 5,821,303                          | 2,244,924 | 787,769   | 1,459,181 | 134,091          | 114,695                | 27,645  | 276,431        | 10,589,593     | 20,730,758    |
| 1991                   | 755,813   | 1,115,191 | 1,871,000  | 607,003                            | 606,410   | 539,754   | 947,200   | 75,300           | 110,321                | 4,747   | 190,368        | 2,890,728      | 4,761,725     |
| 1992                   | 2,383,311 | 905,602   | 3,288,908  | 2,277,873                          | 225,884   | 400,297   | 804,671   | 157,864          | 74,715                 | 33,492  | 266,071        | 3,974,780      | 7,263,685     |
| 1993                   | 3,807,153 | 1,019,025 | 4,826,179  | 3,209,923                          | 150,131   | 417,918   | 820,507   | 155,196          | 146,326                | 35,684  | 337,205        | 4,935,673      | 9,761,850     |
| 1994                   | 3,022,644 | 533,484   | 3,556,121  | 543,821                            | 232,749   | 359,494   | 140,534   | 116,067          | 55,865                 | 671,960 | 312,462        | 3,675,553      | 7,231,673     |
| 1995                   | 626,009   | 246,199   | 872,207    | 675,064                            | 133,785   | 61,102    | 150,469   | 35,975           | 48,814                 | 17,201  | 101,990        | 1,122,398      | 1,994,600     |
| 1996                   | 4,440,016 | 390,196   | 4,830,209  | 4,282,003                          | 340,013   | 215,819   | 339,923   | 32,850           | 163,695                | 21,209  | 217,753        | 5,395,498      | 10,225,703    |
| 1997                   | 2,395,756 | 263,515   | 2,659,267  | 2,343,813                          | 505,071   | 343,635   | 654,020   | 56,050           | 182,961                | 7,777   | 246,786        | 4,093,315      | 6,752,581     |
| 1998                   | 3,767,207 | 228,193   | 3,995,396  | 3,525,948                          | 316,549   | 274,439   | 293,764   | 7,596            | 121,618                | 15,531  | 144,741        | 4,555,435      | 8,550,824     |
| 1999                   | 3,977,498 | 247,625   | 4,225,118  | 4,094,535                          | 513,789   | 193,283   | 548,157   | 44,446           | 102,687                | 0       | 147,133        | 5,496,889      | 9,722,006     |
| 2000                   | 4,422,651 | 534,343   | 4,956,992  | 4,540,113                          | 1,372,986 | 537,002   | 339,548   | 64,048           | 57,500                 | 2,032   | 123,579        | 6,913,215      | 11,870,201    |
| 2001                   | 5,569,122 | 580,559   | 6,149,675  | 5,956,896                          | 493,796   | 449,462   | 397,510   | 20,879           | 170,905                | 5,420   | 197,203        | 7,494,856      | 13,644,528    |

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Table 3.–Page 6 of 7.

| Year                   | Females    |            |            | Number sublegal males by size (CW) |            |            |            | Recruit<br>males | Postrecruit males (CW) |           | Legal<br>males | Total<br>males | Total<br>crab |
|------------------------|------------|------------|------------|------------------------------------|------------|------------|------------|------------------|------------------------|-----------|----------------|----------------|---------------|
|                        | Juvenile   | Mature     | Total      | <70 mm                             | 70–91 mm   | 92–114 mm  | >114 mm    |                  | <165 mm                | ≥165 mm   |                |                |               |
| 2002                   | 7,040,189  | 638,105    | 7,678,291  | 7,239,051                          | 2,443,246  | 927,375    | 219,352    | 9,268            | 26,922                 | 339       | 36,528         | 10,865,543     | 18,543,832    |
| 2003                   | 1,574,882  | 1,005,193  | 2,580,071  | 3,087,322                          | 585,984    | 252,125    | 227,455    | 23,124           | 52,247                 | 4,137     | 79,507         | 4,232,383      | 6,812,450     |
| 2004                   | 4,807,839  | 269,078    | 5,076,916  | 4,052,391                          | 281,654    | 390,045    | 410,836    | 28,132           | 52,195                 | 5,075     | 85,402         | 5,220,316      | 10,297,226    |
| 2005                   | 5,973,092  | 600,095    | 6,573,183  | 5,450,323                          | 570,215    | 185,935    | 249,567    | 62,867           | 23,541                 | 2,023     | 88,432         | 6,544,457      | 13,117,630    |
| 2006                   | 5,752,649  | 1,905,998  | 7,658,643  | 6,277,192                          | 1,549,452  | 804,595    | 164,764    | 123,714          | 38,778                 | 14,924    | 177,417        | 8,973,417      | 16,632,058    |
| 2007                   | 1,151,379  | 271,686    | 1,423,066  | 1,333,229                          | 79,153     | 169,301    | 207,441    | 32,010           | 76,206                 | 24,684    | 132,900        | 1,922,012      | 3,345,073     |
| 2008                   | 2,000,053  | 163,905    | 2,163,956  | 2,074,605                          | 27,948     | 75,192     | 224,046    | 10,840           | 113,232                | 22,375    | 146,447        | 2,548,229      | 4,712,180     |
| 2009                   | 2,273,385  | 182,881    | 2,456,260  | 1,990,119                          | 67,569     | 179,329    | 383,513    | 0                | 157,056                | 25,575    | 182,632        | 2,803,160      | 5,259,416     |
| 2010                   | 2,059,073  | 286,257    | 2,345,324  | 2,100,884                          | 214,402    | 379,884    | 312,629    | 40,634           | 38,751                 | 7,318     | 86,702         | 3,094,492      | 5,439,809     |
| 2011                   | 7,339,266  | 156,406    | 7,495,670  | 7,303,300                          | 174,503    | 275,325    | 463,036    | 65,350           | 9,494                  | 13,460    | 88,304         | 8,304,464      | 15,800,131    |
| 2012                   | 2,375,150  | 58,384     | 2,433,534  | 2,411,334                          | 30,386     | 75,425     | 196,019    | 252,242          | 15,832                 | 18,701    | 286,775        | 2,999,937      | 5,433,472     |
| 2013                   | 3,512,861  | 427,671    | 3,940,531  | 3,706,269                          | 270,532    | 171,682    | 134,031    | 53,508           | 74,304                 | 32,391    | 160,203        | 4,442,712      | 8,383,239     |
| 2014                   | 1,778,897  | 59,311     | 1,838,205  | 1,533,746                          | 50,266     | 99,133     | 128,835    | 44,522           | 9,231                  | 19,338    | 73,091         | 1,885,067      | 3,723,269     |
| 2015                   | 3,404,007  | 307,368    | 3,711,375  | 3,365,754                          | 557,307    | 378,629    | 243,383    | 175,976          | 132,322                | 10,270    | 318,568        | 4,863,632      | 8,575,005     |
| 2016                   | 5,810,449  | 755,204    | 6,660,589  | 4,745,625                          | 460,148    | 404,148    | 354,950    | 48,276           | 42,722                 | 1,146     | 92,144         | 6,057,010      | 12,717,601    |
| 2017                   | 2,020,394  | 94,061     | 2,114,452  | 2,099,893                          | 80,540     | 101,672    | 176,330    | 119,927          | 15,508                 | 1,558     | 136,992        | 2,595,425      | 4,709,876     |
| KODIAK DISTRICT TOTALS |            |            |            |                                    |            |            |            |                  |                        |           |                |                |               |
| 1988                   | 8,812,712  | 2,909,528  | 11,722,230 | 7,585,464                          | 1,121,828  | 2,027,675  | 4,084,694  | 3,109,987        | 384,766                | 149,346   | 3,644,094      | 18,463,722     | 30,185,946    |
| 1989                   | 17,242,779 | 9,207,218  | 26,449,988 | 15,591,916                         | 3,463,846  | 3,673,455  | 4,795,492  | 2,164,873        | 659,360                | 288,304   | 3,112,536      | 30,637,206     | 57,087,179    |
| 1990                   | 13,948,038 | 18,300,233 | 32,248,267 | 11,488,010                         | 5,645,980  | 4,589,098  | 7,421,417  | 1,580,449        | 515,967                | 170,003   | 2,266,416      | 31,410,895     | 63,659,149    |
| 1991                   | 11,781,806 | 8,402,788  | 20,184,585 | 10,221,336                         | 2,930,304  | 3,509,630  | 6,111,302  | 3,843,655        | 761,502                | 113,921   | 4,719,085      | 27,491,633     | 47,676,203    |
| 1992                   | 8,339,428  | 6,051,961  | 14,391,378 | 7,440,749                          | 2,746,649  | 2,774,998  | 4,292,177  | 1,306,256        | 611,962                | 136,933   | 2,061,956      | 19,316,490     | 33,707,849    |
| 1993                   | 17,913,651 | 4,977,077  | 22,890,723 | 15,967,379                         | 1,656,738  | 2,110,918  | 3,481,805  | 863,072          | 808,324                | 96,108    | 1,767,502      | 24,984,323     | 47,875,035    |
| 1994                   | 5,706,956  | 2,852,028  | 8,558,976  | 1,610,969                          | 1,157,049  | 2,070,507  | 553,274    | 448,710          | 72,749                 | 3,145,240 | 1,074,730      | 10,225,770     | 18,784,750    |
| 1995                   | 11,160,493 | 2,567,713  | 13,728,198 | 10,292,995                         | 1,842,399  | 1,083,966  | 1,239,723  | 198,667          | 440,917                | 24,168    | 663,748        | 15,122,807     | 28,851,000    |
| 1996                   | 11,539,743 | 4,202,964  | 15,742,703 | 10,656,057                         | 4,224,104  | 2,488,462  | 2,177,431  | 297,840          | 636,234                | 47,347    | 981,421        | 20,527,449     | 36,270,147    |
| 1997                   | 4,517,522  | 2,734,313  | 7,251,832  | 4,250,787                          | 2,646,848  | 2,691,800  | 2,457,956  | 412,669          | 504,115                | 30,446    | 950,527        | 12,997,903     | 20,249,736    |
| 1998                   | 12,537,177 | 5,789,384  | 18,326,557 | 11,549,334                         | 4,520,667  | 5,230,679  | 4,437,258  | 599,890          | 725,392                | 107,126   | 1,432,408      | 27,170,342     | 45,496,879    |
| 1999                   | 17,320,312 | 3,060,141  | 20,380,442 | 16,310,646                         | 1,708,782  | 2,177,337  | 3,782,852  | 785,205          | 1,057,055              | 111,235   | 1,953,503      | 25,933,098     | 46,313,535    |
| 2000                   | 22,754,807 | 6,475,725  | 29,230,518 | 22,493,426                         | 4,995,919  | 2,583,532  | 3,457,610  | 1,006,546        | 1,358,093              | 96,211    | 2,460,851      | 35,991,304     | 65,221,811    |
| 2001                   | 68,877,224 | 12,675,469 | 81,552,690 | 60,387,913                         | 15,241,096 | 5,797,317  | 4,010,691  | 477,659          | 1,783,740              | 112,099   | 2,373,500      | 87,810,486     | 169,363,177   |
| 2002                   | 30,393,977 | 10,839,085 | 41,233,057 | 19,929,231                         | 19,560,864 | 10,894,437 | 4,387,298  | 673,222          | 1,219,518              | 53,307    | 1,946,045      | 56,717,846     | 97,950,897    |
| 2003                   | 6,645,726  | 14,554,709 | 21,200,429 | 8,506,932                          | 7,394,078  | 16,626,329 | 10,794,723 | 874,741          | 838,380                | 48,588    | 1,761,712      | 45,083,732     | 66,284,164    |
| 2004                   | 16,947,444 | 8,160,053  | 25,107,495 | 15,178,373                         | 3,217,318  | 6,786,175  | 14,649,347 | 3,692,086        | 652,099                | 53,314    | 4,397,499      | 44,228,694     | 69,336,185    |

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Table 3.–Page 7 of 7.

| Year | Females    |            |            | Number sublegal males by size (CW) |            |            |            | Recruit<br>males | Postrecruit males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|------|------------|------------|------------|------------------------------------|------------|------------|------------|------------------|------------------------|---------|----------------|----------------|---------------|
|      | Juvenile   | Mature     | Total      | <70 mm                             | 70–91 mm   | 92–114 mm  | >114 mm    |                  | <165 mm                | ≥165 mm |                |                |               |
| 2005 | 16,993,383 | 8,387,303  | 25,380,682 | 16,485,627                         | 2,926,995  | 3,810,988  | 12,109,515 | 4,385,484        | 1,609,777              | 89,534  | 6,084,796      | 41,417,872     | 66,798,546    |
| 2006 | 68,224,632 | 8,181,573  | 76,406,208 | 65,227,663                         | 6,591,753  | 3,720,236  | 7,670,990  | 1,178,684        | 3,189,673              | 95,169  | 4,463,529      | 87,674,144     | 164,080,346   |
| 2007 | 70,685,636 | 11,318,820 | 82,004,460 | 43,494,481                         | 40,966,394 | 7,267,322  | 8,037,367  | 613,205          | 3,242,441              | 84,409  | 3,940,055      | 103,705,590    | 185,710,033   |
| 2008 | 25,793,790 | 24,362,363 | 50,156,148 | 19,007,753                         | 14,903,352 | 24,093,264 | 8,066,767  | 694,989          | 1,598,641              | 85,570  | 2,379,199      | 68,450,316     | 118,606,446   |
| 2009 | 10,275,071 | 15,866,295 | 26,141,366 | 6,892,288                          | 8,038,365  | 12,589,438 | 22,566,438 | 4,051,325        | 667,010                | 84,129  | 4,802,466      | 54,888,962     | 81,030,321    |
| 2010 | 10,186,832 | 16,117,560 | 26,304,391 | 9,079,234                          | 2,736,438  | 6,628,037  | 21,955,601 | 6,257,084        | 2,256,474              | 152,959 | 8,666,518      | 49,065,785     | 75,370,166    |
| 2011 | 16,544,749 | 5,344,889  | 21,889,633 | 16,688,170                         | 628,599    | 1,629,845  | 8,408,433  | 1,937,036        | 3,378,241              | 147,162 | 5,473,663      | 32,828,674     | 54,718,301    |
| 2012 | 13,621,829 | 2,597,321  | 16,219,148 | 13,201,605                         | 2,091,936  | 1,278,921  | 6,494,227  | 932,637          | 3,619,604              | 209,392 | 4,761,629      | 27,828,298     | 44,047,441    |
| 2013 | 95,233,063 | 3,209,728  | 98,442,785 | 91,071,265                         | 5,378,208  | 1,813,499  | 2,535,448  | 168,856          | 1,532,223              | 83,689  | 1,789,391      | 102,587,797    | 201,030,568   |
| 2014 | 41,768,574 | 10,562,162 | 52,330,734 | 31,236,156                         | 16,723,014 | 5,741,537  | 2,892,223  | 155,931          | 1,743,747              | 62,925  | 1,962,606      | 58,555,539     | 110,886,271   |
| 2015 | 7,902,630  | 7,723,843  | 15,626,476 | 6,736,233                          | 6,749,377  | 7,187,354  | 2,362,997  | 435,445          | 359,627                | 29,098  | 824,168        | 23,860,110     | 39,486,582    |
| 2016 | 11,650,958 | 14,238,814 | 25,984,696 | 9,999,823                          | 3,437,409  | 9,311,728  | 8,042,255  | 496,985          | 470,762                | 6,127   | 973,875        | 31,765,079     | 57,749,768    |
| 2017 | 23,038,934 | 7,828,549  | 30,867,480 | 22,328,074                         | 3,987,351  | 3,570,618  | 6,360,456  | 1,576,074        | 495,661                | 15,344  | 2,087,076      | 38,333,553     | 69,201,033    |

Table 4.—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, and fishery guideline harvest levels (GHLs), 2013–2017.

|                              | Threshold<br>(number of mature males >114<br>mm CW) | Number of mature males (>114 mm CW)      |                        |                        |                        |                        |
|------------------------------|-----------------------------------------------------|------------------------------------------|------------------------|------------------------|------------------------|------------------------|
|                              |                                                     | 2013                                     | 2014                   | 2015                   | 2016                   | 2017                   |
| Kodiak District              |                                                     |                                          |                        |                        |                        |                        |
| Northeast Section            | 1,123,000                                           | 330,422                                  | 486,625                | 245,327                | 285,473                | 411,803                |
| Eastside Section             | 1,552,000                                           | 1,744,765 <sup>a</sup>                   | 879,619                | 795,901                | 5,779,765 <sup>a</sup> | 5,164,475 <sup>a</sup> |
| Southeast Section            | 733,000                                             | 979,155 <sup>a</sup>                     | 2,048,688 <sup>a</sup> | 770,595 <sup>a</sup>   | 1,258,528 <sup>a</sup> | 667,890                |
| Southwest Section            | 1,236,000                                           | 712,041                                  | 582,977                | 581,810                | 1,021,219              | 1,581,401 <sup>a</sup> |
| Westside Section             | 764,000                                             | 259,599                                  | 654,991                | 231,583                | 224,050                | 308,643                |
| North Mainland Section       | 1,469,000                                           | 294,234                                  | 201,926                | 561,951                | 447,094                | 313,323                |
| Chignik District             | 973,000                                             | 1,572,001 <sup>a</sup>                   | 1,803,796 <sup>a</sup> | 1,043,633 <sup>a</sup> | 610,875                | 319,501                |
| South Peninsula District     |                                                     |                                          |                        |                        |                        |                        |
| Eastern Section              | 2,015,000                                           | 701,972                                  | 799,794                | 1,194,423              | 1,370,094              | 436,361                |
| Western Section              | 1,250,000                                           | 929,823                                  | 2,299,520 <sup>a</sup> | 1,733,879 <sup>a</sup> | 3,420,640 <sup>a</sup> | 733,065                |
| Eastern Aleutian District    |                                                     |                                          |                        |                        |                        |                        |
| Akutan Section               | 200,000                                             | 85,229                                   | 467,082 <sup>a</sup>   | 13,017                 | 74,855                 | 106,962                |
| Unalaska/Kalekta Bay Section | 65,000                                              | 155,397 <sup>a</sup>                     | 196,112 <sup>a</sup>   | 175,550 <sup>a</sup>   | 14,865                 | 65,317 <sup>a</sup>    |
| Makushin/Skan Bay Section    | 45,000                                              | 179,530 <sup>a</sup>                     | 272,424 <sup>a</sup>   | 203,114 <sup>a</sup>   | 150,737 <sup>a</sup>   | 292,866 <sup>a</sup>   |
|                              | Minimum GHL<br>(pounds)                             | GHL for following Tanner season (pounds) |                        |                        |                        |                        |
|                              |                                                     | 2013                                     | 2014                   | 2015                   | 2016                   | 2017                   |
| Kodiak District              |                                                     |                                          |                        |                        |                        |                        |
| Northeast Section            | 100,000                                             | below threshold                          | below threshold        | below threshold        | below threshold        | below threshold        |
| Eastside Section             | 100,000                                             | — <sup>b</sup>                           | below threshold        | below threshold        | — <sup>b</sup>         | 260,000                |
| Southeast Section            | 100,000                                             | — <sup>b</sup>                           | — <sup>b</sup>         | — <sup>b</sup>         | — <sup>b</sup>         | below threshold        |
| Southwest Section            | 100,000                                             | below threshold                          | below threshold        | below threshold        | below threshold        | 140,000                |
| Westside Section             | 100,000                                             | below threshold                          | below threshold        | below threshold        | below threshold        | below threshold        |
| North Mainland Section       | 100,000                                             | below threshold                          | below threshold        | below threshold        | below threshold        | below threshold        |
| Chignik District             | 200,000                                             | — <sup>b</sup>                           | — <sup>b</sup>         | — <sup>b</sup>         | below threshold        | below threshold        |
| South Peninsula District     |                                                     |                                          |                        |                        |                        |                        |
| Eastern Section              | 200,000                                             | below threshold                          | below threshold        | below threshold        | below threshold        | below threshold        |
| Western Section              | 200,000                                             | below threshold                          | — <sup>c</sup>         | — <sup>c</sup>         | — <sup>c</sup>         | below threshold        |
| Eastern Aleutian District    |                                                     |                                          |                        |                        |                        |                        |
| Akutan Section               | 35,000                                              | below threshold                          | — <sup>c</sup>         | below threshold        | below threshold        | below threshold        |
| Unalaska/Kalekta Bay Section | 35,000                                              | — <sup>b</sup>                           | — <sup>b</sup>         | — <sup>b</sup>         | below threshold        | — <sup>b</sup>         |
| Makushin/Skan Bay Section    | 35,000                                              | — <sup>b</sup>                           | 35,000                 | 35,000                 | — <sup>b</sup>         | 35,000                 |

<sup>a</sup> Above mature male harvest strategy threshold.

<sup>b</sup> The calculated fishery GHL did not meet minimum GHL requirements.

<sup>c</sup> GHL requirements were met but, due to uncertainty in survey estimates and conservation concerns, the fishery was not opened.

Table 5.–Red king crab abundance estimates from large-mesh bottom trawl surveys in the Kodiak and Alaska Peninsula areas, 2008–2017.

|                    | Females  |         |         | Prerecruit males |        |        |        | Recruit<br>males | Postrecruit<br>males | Legal<br>males | Total<br>males | Total<br>crab |
|--------------------|----------|---------|---------|------------------|--------|--------|--------|------------------|----------------------|----------------|----------------|---------------|
| Year               | Juvenile | Mature  | Total   | IV               | III    | II     | I      |                  |                      |                |                |               |
| KODIAK AREA        |          |         |         |                  |        |        |        |                  |                      |                |                |               |
| Northeast District |          |         |         |                  |        |        |        |                  |                      |                |                |               |
| 2008               | 0        | 369     | 369     | 0                | 0      | 0      | 0      | 0                | 1,098                | 1,098          | 1,098          | 1,467         |
| 2009               | 635      | 270     | 905     | 270              | 1,080  | 270    | 0      | 270              | 0                    | 270            | 1,890          | 2,795         |
| 2010               | 0        | 0       | 0       | 0                | 347    | 0      | 0      | 0                | 0                    | 0              | 347            | 347           |
| 2011               | 0        | 0       | 0       | 0                | 0      | 1,419  | 0      | 0                | 0                    | 0              | 1,419          | 1,419         |
| 2012               | 0        | 0       | 0       | 0                | 0      | 0      | 0      | 0                | 0                    | 0              | 0              | 0             |
| 2013               | 1,519    | 1,182   | 2,701   | 270              | 0      | 0      | 0      | 0                | 0                    | 0              | 270            | 2,971         |
| 2014               | 365      | 0       | 365     | 0                | 0      | 0      | 0      | 0                | 0                    | 0              | 0              | 365           |
| 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        |
| Southeast District |          |         |         |                  |        |        |        |                  |                      |                |                |               |
| 2008               | 0        | 0       | 0       | 513              | 0      | 0      | 0      | 0                | 0                    | 0              | 513            | 513           |
| 2009               | 0        | 0       | 0       | 0                | 0      | 0      | 0      | 0                | 0                    | 0              | 0              | 0             |
| 2010               | 0        | 0       | 0       | 0                | 0      | 0      | 0      | 0                | 0                    | 0              | 0              | 0             |
| 2011               | 0        | 0       | 0       | 0                | 0      | 0      | 0      | 0                | 0                    | 0              | 0              | 0             |
| 2012               | 0        | 0       | 0       | 0                | 0      | 0      | 0      | 0                | 0                    | 0              | 0              | 0             |
| 2013               | 0        | 0       | 0       | 4,232            | 0      | 0      | 0      | 0                | 0                    | 0              | 4,232          | 4,232         |
| 2014               | 0        | 0       | 0       | 0                | 0      | 0      | 0      | 0                | 0                    | 0              | 0              | 0             |
| 2015               | 0        | 0       | 0       | 0                | 0      | 0      | 0      | 0                | 0                    | 0              | 0              | 0             |
| 2016               | 0        | 0       | 0       | 0                | 1,234  | 0      | 851    | 0                | 0                    | 0              | 2,085          | 2,085         |
| 2017               | 0        | 2,336   | 2,336   | 0                | 0      | 0      | 0      | 851              | 2,970                | 3,821          | 3,821          | 6,157         |
| Southwest District |          |         |         |                  |        |        |        |                  |                      |                |                |               |
| 2008               | 8,655    | 6,477   | 15,133  | 6,295            | 787    | 0      | 2,471  | 4,421            | 21,462               | 25,883         | 35,435         | 50,567        |
| 2009               | 152      | 3,727   | 3,879   | 4,166            | 0      | 0      | 0      | 1,831            | 14,181               | 16,013         | 20,179         | 24,058        |
| 2010               | 26,655   | 22,075  | 48,730  | 22,907           | 22,658 | 10,572 | 787    | 3,211            | 23,842               | 27,054         | 83,978         | 132,708       |
| 2011               | 140,454  | 48,314  | 188,769 | 74,180           | 25,982 | 5,640  | 4,302  | 1,124            | 12,134               | 13,257         | 123,362        | 312,131       |
| 2012               | 45,939   | 36,492  | 82,431  | 2,074            | 49,552 | 43,670 | 5,559  | 5,917            | 10,772               | 16,689         | 117,543        | 199,974       |
| 2013               | 19,763   | 135,960 | 155,724 | 1,551            | 12,884 | 50,872 | 30,011 | 8,948            | 12,101               | 21,050         | 116,369        | 272,092       |
| 2014               | 5,297    | 160,757 | 166,054 | 4,367            | 3,798  | 17,750 | 48,305 | 145,759          | 59,583               | 205,343        | 279,560        | 445,613       |
| 2015               | 9,080    | 164,249 | 173,329 | 3,245            | 6,933  | 7,450  | 22,922 | 114,777          | 224,867              | 339,646        | 380,197        | 553,526       |
| 2016               | 124,312  | 80,131  | 204,444 | 66,445           | 86,292 | 10,107 | 2,881  | 11,825           | 185,336              | 197,158        | 362,882        | 567,326       |
| 2017               | 1,241    | 41,734  | 42,975  | 1,074            | 5,046  | 44,872 | 21,099 | 9,404            | 117,291              | 126,696        | 198,785        | 241,760       |

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|                       | Females  |         |         | Prerecruit males |        |        |        | Recruit<br>males | Postrecruit<br>males | Legal<br>males | Total<br>males | Total<br>crab |
|-----------------------|----------|---------|---------|------------------|--------|--------|--------|------------------|----------------------|----------------|----------------|---------------|
| Year                  | Juvenile | Mature  | Total   | IV               | III    | II     | I      |                  |                      |                |                |               |
| Shelikof District     |          |         |         |                  |        |        |        |                  |                      |                |                |               |
| 2008                  | 0        | 0       | 0       | 1,387            | 0      | 0      | 0      | 0                | 17,943               | 17,943         | 19,330         | 19,330        |
| 2009                  | 1,081    | 0       | 1,081   | 0                | 0      | 0      | 0      | 120              | 203                  | 323            | 323            | 1,404         |
| 2010                  | 0        | 0       | 0       | 0                | 0      | 0      | 0      | 0                | 0                    | 0              | 0              | 0             |
| 2011                  | 0        | 334     | 334     | 0                | 0      | 0      | 0      | 0                | 334                  | 334            | 334            | 668           |
| 2012                  | 0        | 446     | 446     | 0                | 446    | 446    | 0      | 446              | 0                    | 446            | 1,337          | 1,782         |
| 2013                  | 226      | 0       | 226     | 750              | 226    | 0      | 0      | 0                | 0                    | 0              | 976            | 1,202         |
| 2014                  | 120      | 0       | 120     | 612              | 0      | 0      | 0      | 0                | 0                    | 0              | 612            | 732           |
| 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         |
| KODIAK AREA TOTAL     |          |         |         |                  |        |        |        |                  |                      |                |                |               |
| 2008                  | 8,655    | 6,846   | 15,502  | 8,195            | 787    | 0      | 2,471  | 4,421            | 40,503               | 44,924         | 56,376         | 71,877        |
| 2009                  | 1,868    | 3,997   | 5,865   | 4,436            | 1,080  | 270    | 0      | 2,221            | 14,384               | 16,606         | 22,392         | 28,257        |
| 2010                  | 26,655   | 22,075  | 48,730  | 22,907           | 23,005 | 10,572 | 787    | 3,211            | 23,842               | 27,054         | 84,325         | 133,055       |
| 2011                  | 140,454  | 48,648  | 189,103 | 74,180           | 25,982 | 7,059  | 4,302  | 1,124            | 12,468               | 13,591         | 125,115        | 314,218       |
| 2012                  | 45,939   | 36,938  | 82,877  | 2,074            | 49,998 | 44,116 | 5,559  | 6,363            | 10,772               | 17,135         | 118,880        | 201,756       |
| 2013                  | 21,508   | 137,142 | 158,651 | 6,803            | 13,110 | 50,872 | 30,011 | 8,948            | 12,101               | 21,050         | 121,847        | 280,497       |
| 2014                  | 5,782    | 160,757 | 166,539 | 4,979            | 3,798  | 17,750 | 48,305 | 145,759          | 59,583               | 205,343        | 280,172        | 446,710       |
| 2015                  | 9,854    | 164,249 | 174,103 | 3,245            | 6,933  | 7,599  | 22,922 | 114,777          | 225,529              | 340,308        | 381,008        | 555,111       |
| 2016                  | 129,059  | 87,285  | 216,345 | 66,445           | 87,526 | 10,107 | 3,732  | 11,825           | 185,701              | 197,523        | 365,332        | 581,677       |
| 2017                  | 1,855    | 48,956  | 50,811  | 1,996            | 5,046  | 45,319 | 23,286 | 14,245           | 125,727              | 139,975        | 215,620        | 266,430       |
| ALASKA PENINSULA AREA |          |         |         |                  |        |        |        |                  |                      |                |                |               |
| Morzhovoi Bay         |          |         |         |                  |        |        |        |                  |                      |                |                |               |
| 2008                  | 0        | 0       | 0       | 0                | 0      | 0      | 0      | 0                | 0                    | 0              | 0              | 0             |
| 2009                  | 0        | 0       | 0       | 0                | 0      | 0      | 0      | 0                | 0                    | 0              | 0              | 0             |
| 2010                  | 0        | 2,517   | 2,517   | 0                | 0      | 0      | 0      | 0                | 0                    | 0              | 0              | 2,517         |
| 2011                  | 0        | 0       | 0       | 0                | 0      | 0      | 0      | 0                | 0                    | 0              | 0              | 0             |
| 2012                  | 0        | 0       | 0       | 0                | 0      | 0      | 0      | 0                | 0                    | 0              | 0              | 0             |
| 2013                  | 0        | 0       | 0       | 0                | 0      | 0      | 0      | 892              | 24,095               | 24,988         | 24,988         | 24,988        |
| 2014                  | 0        | 0       | 0       | 0                | 0      | 0      | 793    | 0                | 34,110               | 34,110         | 34,903         | 34,903        |
| 2015                  | 5,696    | 57,912  | 63,608  | 949              | 8,544  | 5,696  | 5,696  | 4,747            | 33,228               | 37,975         | 58,861         | 122,469       |
| 2016                  | 0        | 949     | 949     | 0                | 0      | 0      | 0      | 0                | 1,663                | 1,663          | 1,663          | 2,613         |
| 2017                  | 0        | 0       | 0       | 0                | 0      | 0      | 0      | 0                | 0                    | 0              | 0              | 0             |

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|                                   | Females  |         |         | Prerecruit males |         |         |         | Recruit<br>males | Postrecruit<br>males | Legal<br>males | Total<br>males | Total<br>crab |
|-----------------------------------|----------|---------|---------|------------------|---------|---------|---------|------------------|----------------------|----------------|----------------|---------------|
| Year                              | Juvenile | Mature  | Total   | IV               | III     | II      | I       |                  |                      |                |                |               |
| Cold Bay/Belkofski Bay            |          |         |         |                  |         |         |         |                  |                      |                |                |               |
| 2008                              | 0        | 2,771   | 2,771   | 0                | 0       | 0       | 1,170   | 0                | 1,659                | 1,659          | 2,829          | 5,599         |
| 2009                              | 0        | 483     | 483     | 0                | 161     | 161     | 0       | 0                | 0                    | 0              | 322            | 805           |
| 2010                              | 1,073    | 28,206  | 29,280  | 1,516            | 537     | 537     | 358     | 0                | 1,045                | 1,045          | 3,992          | 33,272        |
| 2011                              | 433      | 836     | 1,269   | 433              | 866     | 433     | 433     | 1,299            | 5,052                | 6,351          | 8,515          | 9,784         |
| 2012                              | 8,279    | 23,754  | 32,033  | 1,352            | 1,484   | 4,418   | 1,173   | 1,195            | 25,606               | 26,801         | 35,228         | 67,262        |
| 2013                              | 1,154    | 230     | 1,384   | 2,678            | 0       | 0       | 0       | 0                | 0                    | 0              | 2,678          | 4,063         |
| 2014                              | 4,909    | 5,902   | 10,811  | 4,456            | 0       | 0       | 0       | 230              | 0                    | 230            | 4,686          | 15,497        |
| 2015                              | 18,714   | 2,696   | 21,410  | 10,917           | 10,493  | 1,560   | 0       | 1,136            | 1,560                | 2,696          | 25,665         | 47,075        |
| 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        | 1,007   | 1,007   | 0                | 0       | 161     | 0       | 0                | 161                  | 161            | 322            | 1,329         |
| Pavlof Bay/Volcano Bay            |          |         |         |                  |         |         |         |                  |                      |                |                |               |
| 2008                              | 0        | 1,899   | 1,899   | 0                | 0       | 0       | 949     | 0                | 8,544                | 8,544          | 9,494          | 11,393        |
| 2009                              | 0        | 946     | 946     | 0                | 0       | 0       | 0       | 0                | 12,580               | 12,580         | 12,580         | 13,526        |
| 2010                              | 6,192    | 23,939  | 30,131  | 828              | 1,208   | 5,658   | 4,071   | 0                | 1,656                | 1,656          | 13,420         | 43,552        |
| 2011                              | 396,062  | 426,614 | 822,676 | 46,000           | 334,662 | 605,503 | 265,585 | 82,260           | 65,898               | 148,158        | 1,399,908      | 2,222,584     |
| 2012                              | 0        | 0       | 0       | 0                | 0       | 0       | 0       | 0                | 5,733                | 5,733          | 5,733          | 5,733         |
| 2013                              | 10,653   | 85,740  | 96,393  | 6,038            | 4,830   | 37,436  | 72,456  | 37,436           | 28,437               | 65,873         | 186,633        | 283,026       |
| 2014                              | 16,906   | 83,486  | 100,392 | 7,246            | 7,246   | 0       | 5,685   | 0                | 9,344                | 9,344          | 29,519         | 129,912       |
| 2015                              | 0        | 1,489   | 1,489   | 3,798            | 0       | 0       | 1,786   | 3,275            | 5,713                | 8,988          | 14,572         | 16,061        |
| 2016                              | 4,028    | 11,005  | 15,033  | 0                | 1,689   | 2,501   | 0       | 1,440            | 11,372               | 12,813         | 17,002         | 32,034        |
| 2017                              | 1,988    | 20,453  | 22,441  | 0                | 0       | 3,129   | 782     | 11,083           | 76,426               | 87,509         | 91,420         | 113,861       |
| Beaver Bay/Balboa Bay/Unga Strait |          |         |         |                  |         |         |         |                  |                      |                |                |               |
| 2008                              | 0        | 0       | 0       | 747              | 0       | 0       | 0       | 0                | 2,989                | 2,989          | 3,737          | 3,737         |
| 2009                              | 0        | 0       | 0       | 0                | 0       | 0       | 0       | 0                | 564                  | 564            | 564            | 564           |
| 2010                              | 773      | 0       | 773     | 747              | 0       | 0       | 0       | 0                | 3,553                | 3,553          | 4,301          | 5,074         |
| 2011                              | 0        | 0       | 0       | 0                | 0       | 0       | 921     | 0                | 1,709                | 1,709          | 2,630          | 2,630         |
| 2012                              | 0        | 0       | 0       | 0                | 0       | 0       | 0       | 0                | 3,163                | 3,163          | 3,163          | 3,163         |
| 2013                              | 0        | 0       | 0       | 0                | 0       | 0       | 0       | 0                | 2,242                | 2,242          | 2,242          | 2,242         |
| 2014                              | 0        | 0       | 0       | 0                | 618     | 0       | 0       | 0                | 1,955                | 1,955          | 2,573          | 2,573         |
| 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        |

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|                    | Females  |        |       | Prerecruit males |     |     |       | Recruit<br>males | Postrecruit<br>males | Legal<br>males | Total<br>males | Total<br>crab |
|--------------------|----------|--------|-------|------------------|-----|-----|-------|------------------|----------------------|----------------|----------------|---------------|
| Year               | Juvenile | Mature | Total | IV               | III | II  | I     |                  |                      |                |                |               |
| West Nagai Strait  |          |        |       |                  |     |     |       |                  |                      |                |                |               |
| 2008               | 0        | 0      | 0     | 1,135            | 0   | 0   | 0     | 0                | 0                    | 0              | 1,135          | 1,135         |
| 2009               | 0        | 0      | 0     | 0                | 0   | 0   | 0     | 0                | 0                    | 0              | 0              | 0             |
| 2010               | 0        | 0      | 0     | 0                | 0   | 0   | 0     | 0                | 0                    | 0              | 0              | 0             |
| 2011               | 0        | 0      | 0     | 0                | 0   | 0   | 0     | 0                | 0                    | 0              | 0              | 0             |
| 2012               | 0        | 0      | 0     | 0                | 0   | 0   | 0     | 0                | 0                    | 0              | 0              | 0             |
| 2013               | 5,546    | 0      | 5,546 | 0                | 0   | 0   | 0     | 1,849            | 0                    | 1,849          | 1,849          | 7,394         |
| 2014               | 0        | 0      | 0     | 0                | 0   | 0   | 0     | 0                | 0                    | 0              | 0              | 0             |
| 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             |
| Ivanof Bay         |          |        |       |                  |     |     |       |                  |                      |                |                |               |
| 2008               | 0        | 0      | 0     | 0                | 0   | 0   | 0     | 0                | 0                    | 0              | 0              | 0             |
| 2009               | 0        | 0      | 0     | 0                | 0   | 0   | 0     | 0                | 246                  | 246            | 246            | 246           |
| 2010               | 0        | 0      | 0     | 0                | 0   | 0   | 0     | 0                | 0                    | 0              | 0              | 0             |
| 2011               | 1,166    | 1,166  | 2,332 | 0                | 0   | 0   | 2,332 | 2,332            | 1,166                | 3,497          | 5,829          | 8,161         |
| 2012               | 0        | 0      | 0     | 0                | 0   | 0   | 0     | 0                | 0                    | 0              | 0              | 0             |
| 2013               | 0        | 0      | 0     | 933              | 0   | 0   | 0     | 933              | 3,805                | 4,737          | 5,670          | 5,670         |
| 2014               | 0        | 615    | 615   | 0                | 0   | 0   | 0     | 0                | 0                    | 0              | 0              | 615           |
| 2015               | 0        | 6,015  | 6,015 | 0                | 0   | 273 | 820   | 0                | 0                    | 0              | 1,094          | 7,109         |
| 2016               | 246      | 3,364  | 3,610 | 0                | 0   | 0   | 0     | 0                | 0                    | 0              | 0              | 3,610         |
| 2017               | 0        | 2,752  | 2,752 | 0                | 0   | 738 | 699   | 2,953            | 984                  | 3,937          | 5,621          | 8,373         |
| Mitrofanina Island |          |        |       |                  |     |     |       |                  |                      |                |                |               |
| 2008               | 0        | 0      | 0     | 0                | 0   | 0   | 0     | 0                | 0                    | 0              | 0              | 0             |
| 2009               | 0        | 0      | 0     | 0                | 0   | 0   | 0     | 0                | 0                    | 0              | 0              | 0             |
| 2010               | 0        | 0      | 0     | 0                | 0   | 0   | 0     | 0                | 2,532                | 2,532          | 2,532          | 2,532         |
| 2011               | 0        | 0      | 0     | 0                | 0   | 0   | 0     | 0                | 0                    | 0              | 0              | 0             |
| 2012               | 0        | 0      | 0     | 0                | 0   | 0   | 0     | 0                | 0                    | 0              | 0              | 0             |
| 2013               | 0        | 0      | 0     | 0                | 0   | 0   | 0     | 0                | 0                    | 0              | 0              | 0             |
| 2014               | 1,282    | 0      | 1,282 | 0                | 0   | 0   | 0     | 0                | 0                    | 0              | 0              | 1,282         |
| 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             |

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|                             | Females  |         |         | Prerecruit males |         |         |         | Recruit<br>males | Postrecruit<br>males | Legal<br>males | Total<br>males | Total<br>crab |
|-----------------------------|----------|---------|---------|------------------|---------|---------|---------|------------------|----------------------|----------------|----------------|---------------|
| Year                        | Juvenile | Mature  | Total   | IV               | III     | II      | I       |                  |                      |                |                |               |
| Chignik Bay/Castle Bay      |          |         |         |                  |         |         |         |                  |                      |                |                |               |
| 2008                        | 0        | 0       | 0       | 0                | 0       | 0       | 586     | 0                | 3,942                | 3,942          | 4,528          | 4,528         |
| 2009                        | 586      | 586     | 1,173   | 586              | 0       | 880     | 1,597   | 586              | 2,607                | 3,193          | 6,255          | 7,428         |
| 2010                        | 10,554   | 29,646  | 40,200  | 0                | 5,277   | 8,795   | 8,795   | 0                | 7,659                | 7,659          | 30,526         | 70,726        |
| 2011                        | 0        | 892     | 892     | 0                | 0       | 0       | 1,422   | 0                | 892                  | 892            | 2,313          | 3,205         |
| 2012                        | 892      | 0       | 892     | 0                | 0       | 0       | 1,316   | 0                | 0                    | 0              | 1,316          | 2,207         |
| 2013                        | 1,466    | 0       | 1,466   | 1,759            | 0       | 0       | 1,115   | 0                | 0                    | 0              | 2,874          | 4,340         |
| 2014                        | 0        | 0       | 0       | 0                | 0       | 0       | 0       | 0                | 0                    | 0              | 0              | 0             |
| 2015                        | 0        | 0       | 0       | 0                | 0       | 0       | 0       | 0                | 0                    | 0              | 0              | 0             |
| 2016                        | 0        | 3,091   | 3,091   | 0                | 0       | 0       | 366     | 0                | 3,408                | 3,408          | 3,774          | 6,865         |
| 2017                        | 1,747    | 38,431  | 40,178  | 0                | 2,620   | 4,367   | 2,620   | 3,494            | 2,757                | 6,251          | 16,732         | 56,909        |
| Kujulik Bay                 |          |         |         |                  |         |         |         |                  |                      |                |                |               |
| 2008                        | 0        | 0       | 0       | 0                | 0       | 0       | 0       | 0                | 0                    | 0              | 0              | 0             |
| 2009                        | 0        | 0       | 0       | 0                | 0       | 0       | 0       | 0                | 0                    | 0              | 0              | 0             |
| 2010                        | 0        | 0       | 0       | 0                | 0       | 0       | 0       | 0                | 0                    | 0              | 0              | 0             |
| 2011                        | 0        | 0       | 0       | 0                | 0       | 0       | 0       | 0                | 0                    | 0              | 0              | 0             |
| 2012                        | 0        | 0       | 0       | 0                | 0       | 0       | 0       | 0                | 0                    | 0              | 0              | 0             |
| 2013                        | 0        | 0       | 0       | 0                | 0       | 0       | 0       | 0                | 0                    | 0              | 0              | 0             |
| 2014                        | 3,190    | 456     | 3,646   | 456              | 0       | 0       | 456     | 0                | 0                    | 0              | 911            | 4,557         |
| 2015                        | 28,299   | 208,639 | 236,939 | 0                | 13,671  | 53,532  | 13,671  | 13,671           | 57,418               | 71,089         | 151,963        | 388,902       |
| 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           |
| ALASKA PENINSULA AREA TOTAL |          |         |         |                  |         |         |         |                  |                      |                |                |               |
| 2008                        | 0        | 4,670   | 4,670   | 1,882            | 0       | 0       | 2,705   | 0                | 17,134               | 17,134         | 21,723         | 26,392        |
| 2009                        | 586      | 2,015   | 2,602   | 586              | 161     | 1,041   | 1,597   | 586              | 15,997               | 16,583         | 19,967         | 22,569        |
| 2010                        | 18,592   | 84,308  | 102,901 | 3,091            | 7,022   | 14,990  | 13,224  | 0                | 16,445               | 16,445         | 54,771         | 157,673       |
| 2011                        | 397,661  | 429,508 | 827,169 | 46,433           | 335,528 | 605,936 | 270,693 | 85,891           | 74,717               | 160,607        | 1,419,195      | 2,246,364     |
| 2012                        | 9,171    | 23,754  | 32,925  | 1,352            | 1,484   | 4,418   | 2,489   | 1,195            | 34,502               | 35,697         | 45,440         | 78,365        |
| 2013                        | 18,819   | 85,970  | 104,789 | 11,408           | 4,830   | 37,436  | 73,571  | 41,110           | 58,579               | 99,689         | 226,934        | 331,723       |
| 2014                        | 26,287   | 90,459  | 116,746 | 12,158           | 7,864   | 0       | 6,934   | 230              | 45,409               | 45,639         | 72,592         | 189,339       |
| 2015                        | 52,709   | 276,751 | 329,461 | 15,664           | 32,708  | 61,061  | 21,973  | 22,829           | 98,483               | 121,312        | 252,719        | 582,180       |
| 2016                        | 53,860   | 43,260  | 97,120  | 2,216            | 41,583  | 35,076  | 4,799   | 3,656            | 24,340               | 27,998         | 111,671        | 208,789       |
| 2017                        | 3,735    | 80,935  | 84,670  | 0                | 3,076   | 9,890   | 4,848   | 24,149           | 80,328               | 104,477        | 123,411        | 208,080       |

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

Table 6.–Dominant species by weight in the Kodiak Tanner crab District large-mesh bottom trawl survey, 2017.

| Common name         | Species name                           | % of catch<br>by weight |
|---------------------|----------------------------------------|-------------------------|
| Flathead sole       | <i>Hippoglossoides elassodon</i>       | 24.5                    |
| Arrowtooth flounder | <i>Atheresthes stomias</i>             | 19.0                    |
| Walleye pollock     | <i>Gadus chalcogrammus</i>             | 7.8                     |
| Tanner crab         | <i>Chionoecetes bairdi</i>             | 6.2                     |
| Yellowfin sole      | <i>Limanda aspera</i>                  | 5.6                     |
| Pacific halibut     | <i>Hippoglossus stenolepis</i>         | 4.5                     |
| Big skate           | <i>Raja binoculata</i>                 | 3.0                     |
| Starry flounder     | <i>Platichthys stellatus</i>           | 2.8                     |
| Longnose skate      | <i>Raja rhina</i>                      | 2.3                     |
| Sunflower seastar   | <i>Pycnopodia helianthoides</i>        | 2.1                     |
| Anemone             | Order: Actinaria                       | 1.9                     |
| Alaska plaice       | <i>Pleuronectes quadrituberculatus</i> | 1.7                     |
| Pacific cod         | <i>Gadus macrocephalus</i>             | 1.6                     |
| Spiny dogfish shark | <i>Squalus acanthius</i>               | 1.6                     |
| Northern rock sole  | <i>Lepidopsetta polyxystra</i>         | 1.5                     |
| Pacific ocean perch | <i>Sebastes alutus</i>                 | 1.1                     |
| English sole        | <i>Parophrys vetulus</i>               | 1.0                     |
| Red king crab       | <i>Paralithodes camtschaticus</i>      | 0.8                     |
| Bering skate        | <i>Bathyraja interrupta</i>            | 0.8                     |
| Aleutian skate      | <i>Bathyraja aleutica</i>              | 0.7                     |
| All others          | (136 species)                          | 9.6                     |
|                     |                                        | 100.0                   |

Table 7.–Tanner crab abundance estimates from large-mesh bottom trawl surveys in the South Peninsula and Chignik districts, 1988–2017.

|                          | Females   |           |           | Number sublegal males by size (CW) |           |           |         | Recruit<br>males | Postrecruit males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|--------------------------|-----------|-----------|-----------|------------------------------------|-----------|-----------|---------|------------------|------------------------|---------|----------------|----------------|---------------|
| Year                     | Juvenile  | Mature    | Total     | <70 mm                             | 70–91 mm  | 92–114 mm | >114 mm |                  | <165 mm                | ≥165 mm |                |                |               |
| SOUTH PENINSULA DISTRICT |           |           |           |                                    |           |           |         |                  |                        |         |                |                |               |
| Sanak Island             |           |           |           |                                    |           |           |         |                  |                        |         |                |                |               |
| 1989                     | 1,071,609 | 116,990   | 1,188,600 | 1,159,768                          | 23,925    | 31,519    | 64,965  | 6,836            | 0                      | 0       | 6,836          | 1,287,012      | 2,475,613     |
| 1990                     | 613,067   | 104,693   | 717,759   | 461,082                            | 84,247    | 54,276    | 24,945  | 0                | 0                      | 0       | 0              | 624,549        | 1,342,308     |
| 1991                     | 502,735   | 30,289    | 533,023   | 515,060                            | 33,734    | 40,658    | 0       | 0                | 0                      | 0       | 0              | 589,451        | 1,122,475     |
| 1992                     | 381,604   | 45,334    | 426,937   | 298,381                            | 51,667    | 50,678    | 3,798   | 0                | 0                      | 0       | 0              | 404,521        | 831,457       |
| 1993                     | 302,560   | 16,822    | 319,381   | 238,482                            | 28,992    | 33,299    | 9,219   | 0                | 0                      | 0       | 0              | 309,991        | 629,373       |
| 1994                     | 85,510    | 68,744    | 154,252   | 107,676                            | 12,903    | 17,781    | 19,824  | 0                | 0                      | 0       | 0              | 158,182        | 312,433       |
| 1996                     | 554,162   | 132,998   | 687,160   | 416,751                            | 52,698    | 28,959    | 35,079  | 0                | 0                      | 0       | 0              | 533,484        | 1,220,643     |
| 1997                     | 103,036   | 51,367    | 154,402   | 76,797                             | 72,743    | 36,437    | 16,669  | 0                | 0                      | 0       | 0              | 202,643        | 357,045       |
| 1998                     | 279,450   | 401,219   | 680,667   | 377,230                            | 81,490    | 124,402   | 63,941  | 0                | 0                      | 0       | 0              | 647,062        | 1,327,728     |
| 1999                     | 82,986    | 93,707    | 176,693   | 52,687                             | 5,043     | 42,386    | 20,007  | 0                | 0                      | 0       | 0              | 120,124        | 296,816       |
| 2000                     | 578,289   | 183,975   | 762,263   | 546,298                            | 59,137    | 93,362    | 32,780  | 0                | 2,522                  | 0       | 2,522          | 734,097        | 1,496,358     |
| 2001                     | 888,599   | 128,542   | 1,017,141 | 770,478                            | 56,029    | 82,059    | 114,930 | 5,043            | 0                      | 0       | 5,043          | 1,028,539      | 2,045,680     |
| 2002                     | 723,329   | 1,012,098 | 1,735,427 | 714,685                            | 270,913   | 220,391   | 103,390 | 0                | 10,807                 | 0       | 10,807         | 1,320,184      | 3,055,610     |
| 2003                     | 217,862   | 303,284   | 521,146   | 196,526                            | 71,366    | 179,502   | 109,312 | 0                | 10,086                 | 0       | 10,086         | 566,789        | 1,087,935     |
| 2004                     | 710,374   | 200,465   | 910,838   | 648,112                            | 100,068   | 55,619    | 6,674   | 0                | 0                      | 0       | 0              | 810,472        | 1,721,310     |
| 2005                     | 254,560   | 129,049   | 383,608   | 215,626                            | 85,685    | 59,375    | 0       | 0                | 0                      | 0       | 0              | 360,682        | 744,290       |
| 2006                     | 3,111,150 | 64,327    | 3,175,478 | 2,873,714                          | 58,344    | 80,351    | 16,974  | 0                | 0                      | 0       | 0              | 3,029,384      | 6,204,859     |
| 2007                     | 4,365,126 | 1,944,147 | 6,309,274 | 3,667,269                          | 664,268   | 240,298   | 96,673  | 0                | 0                      | 0       | 0              | 4,668,506      | 10,977,780    |
| 2008                     | 191,878   | 1,816,432 | 2,008,310 | 843,242                            | 1,791,588 | 322,364   | 33,687  | 0                | 0                      | 0       | 0              | 2,990,878      | 4,999,188     |
| 2009                     | 77,006    | 660,484   | 737,491   | 96,353                             | 193,365   | 216,737   | 56,270  | 16,437           | 1,925                  | 0       | 18,363         | 581,087        | 1,318,575     |
| 2010                     | 172,832   | 561,273   | 734,104   | 187,437                            | 15,876    | 160,098   | 574,126 | 1,007,317        | 65,331                 | 74,563  | 1,147,211      | 2,084,748      | 2,818,852     |
| 2011                     | 142,197   | 471,130   | 613,326   | 161,882                            | 8,613     | 43,719    | 260,977 | 5,767            | 293,117                | 5,776   | 304,659        | 779,850        | 1,393,176     |
| 2012                     | 94,342    | 9,249     | 103,591   | 100,182                            | 8,578     | 7,003     | 75,273  | 0                | 166,084                | 9,349   | 175,433        | 366,468        | 470,059       |
| 2013                     | 641,635   | 17,463    | 659,097   | 599,843                            | 27,665    | 12,646    | 14,748  | 0                | 22,781                 | 0       | 22,781         | 677,684        | 1,336,780     |
| 2014                     | 447,199   | 78,897    | 526,095   | 483,930                            | 37,251    | 24,502    | 46,007  | 0                | 61,810                 | 6,304   | 68,114         | 659,807        | 1,185,900     |
| 2015                     | 529,811   | 4,883     | 534,693   | 470,804                            | 57,119    | 28,273    | 1,631   | 0                | 816                    | 0       | 816            | 558,643        | 1,093,336     |
| 2016                     | 58,960    | 4,747     | 63,707    | 79,260                             | 22,547    | 0         | 0       | 0                | 0                      | 0       | 0              | 101,807        | 165,512       |
| 2017                     | 593,898   | 6,197     | 600,096   | 612,080                            | 39,912    | 39,602    | 0       | 0                | 0                      | 0       | 0              | 691,595        | 1,291,690     |
| Morzhovoi Bay            |           |           |           |                                    |           |           |         |                  |                        |         |                |                |               |
| 1988                     | 409,897   | 373,352   | 783,248   | 229,314                            | 232,693   | 204,292   | 197,863 | 79,615           | 29,271                 | 15,048  | 123,933        | 988,096        | 1,771,346     |
| 1989                     | 3,184,336 | 1,093,829 | 4,278,163 | 2,702,511                          | 1,125,103 | 371,020   | 114,369 | 33,216           | 4,861                  | 0       | 38,077         | 4,351,079      | 8,629,242     |

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Table 7.–Page 2 of 14.

| Year                   | Females    |            |            | Number sublegal males by size (CW) |           |            |           | Recruit<br>males | Postrecruit males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|------------------------|------------|------------|------------|------------------------------------|-----------|------------|-----------|------------------|------------------------|---------|----------------|----------------|---------------|
|                        | Juvenile   | Mature     | Total      | <70 mm                             | 70–91 mm  | 92–114 mm  | >114 mm   |                  | <165 mm                | ≥165 mm |                |                |               |
| 1990                   | 1,825,523  | 1,000,174  | 2,825,698  | 1,261,202                          | 602,744   | 539,452    | 192,870   | 25,710           | 24,592                 | 1,005   | 51,307         | 2,647,577      | 5,473,273     |
| 1991                   | 1,503,176  | 458,024    | 1,961,200  | 1,149,352                          | 404,094   | 204,716    | 56,095    | 15,480           | 4,121                  | 0       | 19,603         | 1,833,858      | 3,795,061     |
| 1992                   | 330,947    | 811,312    | 1,142,255  | 169,738                            | 434,799   | 264,319    | 190,288   | 31,963           | 20,925                 | 949     | 53,838         | 1,112,981      | 2,255,238     |
| 1993                   | 64,447     | 534,492    | 598,939    | 16,593                             | 144,036   | 367,988    | 351,708   | 59,906           | 63,845                 | 949     | 124,702        | 1,005,026      | 1,603,964     |
| 1994                   | 35,472     | 239,257    | 274,730    | 8,051                              | 52,802    | 114,581    | 187,395   | 6,269            | 47,754                 | 0       | 54,023         | 416,851        | 691,582       |
| 1996                   | 149,154    | 103,708    | 252,861    | 133,883                            | 21,463    | 13,718     | 49,694    | 5,697            | 29,549                 | 0       | 35,246         | 254,007        | 506,868       |
| 1997                   | 135,531    | 85,958     | 221,489    | 85,565                             | 77,864    | 61,176     | 35,202    | 6,646            | 8,986                  | 0       | 15,631         | 275,433        | 496,922       |
| 1998                   | 801,130    | 1,648,105  | 2,449,234  | 281,054                            | 1,104,366 | 1,336,666  | 303,150   | 38,244           | 68,354                 | 0       | 106,599        | 3,131,833      | 5,581,064     |
| 1999                   | 147,187    | 461,834    | 609,021    | 39,215                             | 280,881   | 526,371    | 723,052   | 59,664           | 55,341                 | 1,899   | 116,902        | 1,686,425      | 2,295,445     |
| 2000                   | 691,473    | 735,207    | 1,426,680  | 608,437                            | 146,561   | 363,693    | 691,467   | 429,284          | 97,765                 | 0       | 527,050        | 2,337,207      | 3,763,887     |
| 2001                   | 888,809    | 282,222    | 1,171,029  | 555,947                            | 788,464   | 192,929    | 215,208   | 175,234          | 103,956                | 10,266  | 289,455        | 2,042,008      | 3,213,036     |
| 2002                   | 1,706,361  | 640,182    | 2,346,540  | 1,093,086                          | 1,161,008 | 666,086    | 277,467   | 39,274           | 139,943                | 2,423   | 181,638        | 3,379,282      | 5,725,822     |
| 2003                   | 508,542    | 1,568,783  | 2,077,324  | 100,921                            | 1,119,089 | 772,766    | 394,283   | 38,984           | 98,142                 | 0       | 137,125        | 2,524,183      | 4,601,510     |
| 2004                   | 309,174    | 1,572,685  | 1,881,858  | 263,681                            | 180,798   | 1,478,776  | 2,264,690 | 255,452          | 159,866                | 6,288   | 421,605        | 4,609,548      | 6,491,405     |
| 2005                   | 511,238    | 3,645,114  | 4,156,354  | 344,821                            | 153,399   | 357,585    | 1,241,173 | 460,860          | 198,447                | 2,649   | 661,954        | 2,758,935      | 6,915,289     |
| 2006                   | 14,045,100 | 2,039,553  | 16,084,652 | 13,491,620                         | 500,516   | 278,232    | 1,011,102 | 258,921          | 251,185                | 19,419  | 529,526        | 15,810,992     | 31,895,646    |
| 2007                   | 10,741,143 | 1,910,757  | 12,651,903 | 7,091,636                          | 6,311,806 | 1,713,752  | 2,143,262 | 509,078          | 221,335                | 11,256  | 741,667        | 18,002,121     | 30,654,022    |
| 2008                   | 3,363,627  | 11,140,938 | 14,504,566 | 890,854                            | 5,459,669 | 12,255,108 | 1,912,027 | 760,809          | 199,538                | 40,534  | 1,000,882      | 21,518,542     | 36,023,109    |
| 2009                   | 255,207    | 2,393,371  | 2,648,577  | 147,145                            | 504,198   | 3,876,175  | 7,574,448 | 354,957          | 12,940                 | 9,482   | 377,378        | 12,479,339     | 15,127,914    |
| 2010                   | 52,060     | 2,514,695  | 2,566,755  | 45,727                             | 18,140    | 286,327    | 2,365,728 | 4,889,596        | 119,065                | 193,356 | 5,202,016      | 7,917,939      | 10,484,695    |
| 2011                   | 224,511    | 1,278,220  | 1,502,731  | 236,648                            | 6,168     | 77,932     | 789,609   | 1,320,172        | 1,650,445              | 292,204 | 3,262,821      | 4,373,179      | 5,875,908     |
| 2012                   | 262,344    | 750,606    | 1,012,950  | 229,707                            | 28,624    | 19,775     | 360,755   | 73,213           | 1,141,286              | 118,631 | 1,333,131      | 1,971,993      | 2,984,942     |
| 2013                   | 4,510,100  | 133,707    | 4,643,805  | 4,925,601                          | 223,248   | 41,649     | 90,394    | 1,938            | 511,446                | 45,837  | 559,222        | 5,840,115      | 10,483,923    |
| 2014                   | 2,588,017  | 1,654,282  | 4,242,299  | 1,267,183                          | 884,565   | 843,167    | 819,933   | 0                | 1,097,764              | 105,886 | 1,203,650      | 5,018,493      | 9,260,791     |
| 2015                   | 1,360,711  | 2,089,562  | 3,450,271  | 203,591                            | 2,006,779 | 3,167,943  | 1,132,512 | 150,722          | 128,453                | 0       | 279,175        | 6,790,000      | 10,240,272    |
| 2016                   | 103,453    | 2,566,147  | 2,669,598  | 57,679                             | 118,099   | 1,178,683  | 2,248,926 | 103,907          | 335,478                | 0       | 439,386        | 4,042,773      | 6,712,372     |
| 2017                   | 88,766     | 359,371    | 448,136    | 82,453                             | 5,418     | 153,359    | 559,556   | 44,088           | 37,336                 | 0       | 81,424         | 882,209        | 1,330,346     |
| Cold Bay/Belkofski Bay |            |            |            |                                    |           |            |           |                  |                        |         |                |                |               |
| 1988                   | 245,167    | 309,528    | 554,695    | 127,353                            | 203,631   | 219,435    | 203,005   | 84,389           | 30,011                 | 7,297   | 121,696        | 875,123        | 1,429,818     |
| 1989                   | 465,271    | 55,255     | 520,527    | 408,307                            | 54,811    | 29,721     | 16,589    | 3,880            | 488                    | 0       | 4,368          | 513,797        | 1,034,326     |
| 1990                   | 1,789,574  | 711,980    | 2,501,555  | 1,512,009                          | 512,876   | 278,441    | 230,633   | 87,253           | 50,625                 | 3,646   | 141,524        | 2,675,483      | 5,177,042     |
| 1991                   | 597,704    | 642,244    | 1,239,950  | 663,094                            | 132,800   | 247,214    | 494,517   | 77,978           | 152,806                | 161     | 230,945        | 1,768,575      | 3,008,525     |
| 1992                   | 174,989    | 181,042    | 356,030    | 93,914                             | 109,326   | 97,878     | 147,230   | 40,120           | 40,307                 | 1,533   | 81,960         | 530,308        | 886,340       |

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Table 7.–Page 3 of 14.

| Year                   | Females   |           |           | Number sublegal males by size (CW) |           |           |           | Recruit<br>males | Postrecruit males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|------------------------|-----------|-----------|-----------|------------------------------------|-----------|-----------|-----------|------------------|------------------------|---------|----------------|----------------|---------------|
|                        | Juvenile  | Mature    | Total     | <70 mm                             | 70–91 mm  | 92–114 mm | >114 mm   |                  | <165 mm                | ≥165 mm |                |                |               |
| 1993                   | 97,181    | 277,803   | 374,984   | 66,301                             | 85,424    | 159,343   | 145,875   | 36,567           | 22,350                 | 434     | 59,353         | 516,296        | 891,280       |
| 1994                   | 94,378    | 227,473   | 321,850   | 27,661                             | 53,390    | 64,265    | 78,255    | 27,578           | 10,601                 | 1,217   | 39,396         | 262,973        | 584,824       |
| 1996                   | 332,658   | 15,587    | 348,245   | 260,751                            | 59,794    | 38,484    | 31,147    | 24,510           | 2,998                  | 201     | 27,708         | 417,885        | 766,129       |
| 1997                   | 117,322   | 12,418    | 129,739   | 43,725                             | 58,863    | 90,892    | 81,128    | 37,535           | 895                    | 483     | 38,913         | 313,523        | 443,263       |
| 1998                   | 384,971   | 154,913   | 539,885   | 113,976                            | 289,247   | 352,476   | 183,679   | 49,039           | 20,425                 | 5,616   | 75,081         | 1,014,461      | 1,554,346     |
| 1999                   | 111,950   | 80,923    | 192,872   | 61,658                             | 59,354    | 262,551   | 295,349   | 64,490           | 25,925                 | 869     | 91,284         | 770,196        | 963,069       |
| 2000                   | 455,889   | 221,576   | 677,465   | 552,078                            | 107,735   | 284,006   | 327,963   | 198,168          | 16,388                 | 2,811   | 217,368        | 1,489,154      | 2,166,619     |
| 2001                   | 980,805   | 68,623    | 1,049,429 | 859,293                            | 153,479   | 160,451   | 166,002   | 100,176          | 16,350                 | 3,544   | 120,067        | 1,459,294      | 2,508,722     |
| 2002                   | 951,056   | 273,703   | 1,224,761 | 503,854                            | 464,269   | 321,094   | 218,041   | 60,958           | 101,511                | 3,459   | 165,929        | 1,673,188      | 2,897,949     |
| 2003                   | 490,580   | 254,238   | 744,818   | 260,122                            | 311,125   | 265,983   | 77,062    | 0                | 9,000                  | 1,136   | 10,137         | 924,431        | 1,669,250     |
| 2004                   | 624,983   | 134,040   | 759,025   | 427,022                            | 330,725   | 398,480   | 192,333   | 22,874           | 2,530                  | 0       | 25,404         | 1,373,964      | 2,132,988     |
| 2005                   | 993,349   | 218,680   | 1,212,028 | 710,843                            | 296,625   | 278,635   | 179,919   | 22,573           | 16,203                 | 0       | 38,777         | 1,504,799      | 2,716,828     |
| 2006                   | 2,649,095 | 420,921   | 3,070,019 | 2,061,411                          | 466,727   | 562,538   | 233,997   | 27,671           | 13,589                 | 0       | 41,260         | 3,365,936      | 6,435,951     |
| 2007                   | 3,845,750 | 1,360,194 | 5,205,945 | 895,383                            | 1,862,983 | 740,394   | 364,088   | 39,920           | 869                    | 0       | 40,789         | 3,903,637      | 9,109,583     |
| 2008                   | 1,008,163 | 3,859,739 | 4,867,902 | 185,717                            | 2,091,796 | 3,978,114 | 1,144,869 | 95,258           | 85,637                 | 838     | 181,733        | 7,582,227      | 12,450,130    |
| 2009                   | 763,777   | 1,306,811 | 2,070,589 | 420,802                            | 263,321   | 788,004   | 3,184,682 | 348,427          | 28,011                 | 15,097  | 391,535        | 5,048,342      | 7,118,932     |
| 2010                   | 268,615   | 2,653,858 | 2,922,473 | 230,437                            | 77,077    | 369,308   | 1,525,762 | 1,370,575        | 283,412                | 79,516  | 1,737,224      | 3,939,809      | 6,862,281     |
| 2011                   | 483,852   | 945,795   | 1,429,646 | 437,424                            | 59,300    | 82,409    | 449,026   | 69,629           | 757,606                | 40,712  | 867,946        | 1,896,107      | 3,325,748     |
| 2012                   | 343,992   | 171,847   | 515,840   | 396,404                            | 85,500    | 160,419   | 177,454   | 19,925           | 189,934                | 6,096   | 215,957        | 1,035,735      | 1,551,575     |
| 2013                   | 3,188,264 | 43,765    | 3,232,028 | 3,065,365                          | 198,476   | 35,674    | 94,159    | 70,338           | 75,700                 | 2,482   | 148,521        | 3,542,198      | 6,774,225     |
| 2014                   | 839,972   | 109,296   | 949,268   | 800,002                            | 456,297   | 195,357   | 82,194    | 3,471            | 71,226                 | 4,925   | 79,622         | 1,613,472      | 2,562,743     |
| 2015                   | 385,008   | 372,631   | 757,641   | 110,585                            | 412,098   | 496,241   | 246,185   | 15,327           | 55,506                 | 2,727   | 73,559         | 1,338,670      | 2,096,311     |
| 2016                   | 31,558    | 678,225   | 709,782   | 35,537                             | 79,011    | 502,975   | 634,623   | 10,191           | 86,490                 | 1,025   | 97,707         | 1,349,851      | 2,059,635     |
| 2017                   | 21,176    | 44,903    | 66,079    | 27,761                             | 10,329    | 39,474    | 71,536    | 16,703           | 3,363                  | 483     | 20,549         | 169,651        | 235,731       |
| Pavlof Bay/Volcano Bay |           |           |           |                                    |           |           |           |                  |                        |         |                |                |               |
| 1988                   | 396,472   | 851,305   | 1,247,775 | 318,791                            | 191,839   | 433,431   | 389,404   | 180,138          | 72,587                 | 65,785  | 318,510        | 1,651,978      | 2,899,757     |
| 1989                   | 982,971   | 1,637,332 | 2,620,303 | 706,565                            | 378,690   | 263,715   | 309,107   | 82,124           | 48,809                 | 13,946  | 144,876        | 1,802,956      | 4,423,261     |
| 1990                   | 1,018,705 | 2,014,133 | 3,032,842 | 800,548                            | 465,497   | 483,365   | 275,354   | 55,929           | 101,325                | 12,666  | 169,922        | 2,194,681      | 5,227,522     |
| 1991                   | 476,479   | 465,867   | 942,344   | 442,307                            | 75,625    | 215,027   | 198,812   | 39,934           | 69,645                 | 4,066   | 113,645        | 1,045,424      | 1,987,767     |
| 1992                   | 164,080   | 251,898   | 415,976   | 59,319                             | 134,197   | 93,527    | 116,929   | 31,944           | 19,546                 | 0       | 51,490         | 455,465        | 871,441       |
| 1993                   | 110,998   | 168,533   | 279,530   | 64,214                             | 149,790   | 472,724   | 213,751   | 37,839           | 24,032                 | 1,897   | 63,767         | 964,243        | 1,243,772     |
| 1994                   | 38,811    | 116,548   | 155,358   | 20,940                             | 46,340    | 87,314    | 137,635   | 53,632           | 27,775                 | 0       | 81,407         | 373,644        | 529,000       |
| 1996                   | 264,721   | 51,767    | 316,490   | 250,154                            | 39,274    | 24,090    | 48,745    | 14,698           | 9,285                  | 980     | 24,963         | 387,224        | 703,715       |

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Table 7.–Page 4 of 14.

| Year                              | Females   |           |           | Number sublegal males by size (CW) |           |           |           | Recruit<br>males | Postrecruit males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|-----------------------------------|-----------|-----------|-----------|------------------------------------|-----------|-----------|-----------|------------------|------------------------|---------|----------------|----------------|---------------|
|                                   | Juvenile  | Mature    | Total     | <70 mm                             | 70–91 mm  | 92–114 mm | >114 mm   |                  | <165 mm                | ≥165 mm |                |                |               |
| 1997                              | 68,954    | 78,820    | 147,775   | 30,166                             | 47,190    | 80,373    | 52,489    | 5,258            | 27,733                 | 899     | 33,892         | 244,109        | 391,886       |
| 1998                              | 123,170   | 169,886   | 293,061   | 33,550                             | 186,768   | 335,468   | 415,570   | 8,543            | 57,097                 | 0       | 65,640         | 1,036,992      | 1,330,056     |
| 1999                              | 49,852    | 75,922    | 125,775   | 40,396                             | 36,843    | 105,371   | 112,343   | 79,080           | 9,463                  | 0       | 88,543         | 383,495        | 509,269       |
| 2000                              | 1,221,546 | 228,967   | 1,450,514 | 1,063,815                          | 233,699   | 150,334   | 245,502   | 92,698           | 28,660                 | 0       | 121,359        | 1,814,714      | 3,265,227     |
| 2001                              | 637,329   | 215,340   | 852,666   | 373,939                            | 337,514   | 233,508   | 146,893   | 42,698           | 29,816                 | 0       | 72,515         | 1,164,371      | 2,017,035     |
| 2002                              | 1,159,412 | 398,152   | 1,557,562 | 1,098,831                          | 373,111   | 549,662   | 417,058   | 45,913           | 43,795                 | 1,225   | 90,931         | 2,529,594      | 4,087,161     |
| 2003                              | 178,350   | 256,728   | 435,078   | 126,539                            | 191,038   | 315,547   | 333,959   | 43,396           | 79,968                 | 921     | 124,285        | 1,091,364      | 1,526,446     |
| 2004                              | 287,514   | 348,252   | 635,767   | 258,804                            | 103,412   | 541,662   | 404,760   | 104,231          | 115,029                | 2,200   | 221,459        | 1,530,097      | 2,165,865     |
| 2005                              | 1,055,173 | 324,835   | 1,380,008 | 970,752                            | 333,608   | 300,213   | 411,649   | 30,762           | 75,552                 | 0       | 106,314        | 2,122,531      | 3,502,541     |
| 2006                              | 3,246,754 | 318,555   | 3,565,310 | 3,178,826                          | 686,965   | 364,771   | 230,246   | 27,704           | 54,757                 | 980     | 83,440         | 4,544,244      | 8,109,557     |
| 2007                              | 1,548,059 | 762,851   | 2,310,909 | 1,077,933                          | 1,389,596 | 974,621   | 561,630   | 68,849           | 65,665                 | 0       | 134,515        | 4,138,295      | 6,449,209     |
| 2008                              | 1,931,401 | 2,097,108 | 4,028,508 | 525,205                            | 3,182,635 | 2,614,265 | 1,632,032 | 318,556          | 21,924                 | 5,903   | 346,385        | 8,300,523      | 12,329,032    |
| 2009                              | 1,293,221 | 2,549,622 | 3,842,843 | 925,474                            | 895,247   | 3,169,920 | 5,004,365 | 1,268,465        | 154,235                | 23,190  | 1,445,890      | 11,440,894     | 15,283,734    |
| 2010                              | 607,426   | 1,328,668 | 1,936,096 | 473,284                            | 391,314   | 632,226   | 2,297,122 | 1,733,023        | 575,843                | 32,630  | 2,341,496      | 6,135,439      | 8,071,537     |
| 2011                              | 362,099   | 540,193   | 902,292   | 367,149                            | 183,018   | 180,370   | 754,032   | 180,001          | 1,079,596              | 36,927  | 1,296,524      | 2,781,094      | 3,683,388     |
| 2012                              | 508,923   | 327,194   | 836,116   | 534,012                            | 54,792    | 220,016   | 429,445   | 37,012           | 532,755                | 11,533  | 581,300        | 1,819,560      | 2,655,678     |
| 2013                              | 5,637,544 | 268,354   | 5,905,895 | 6,225,497                          | 791,887   | 125,654   | 174,459   | 46,554           | 113,140                | 1,625   | 161,319        | 7,478,814      | 13,384,708    |
| 2014                              | 1,365,620 | 330,174   | 1,695,797 | 989,167                            | 1,130,832 | 682,128   | 248,994   | 28,744           | 172,619                | 3,270   | 204,635        | 3,255,754      | 4,951,552     |
| 2015                              | 145,059   | 376,317   | 521,376   | 101,332                            | 520,361   | 1,266,755 | 709,676   | 36,775           | 38,769                 | 1,035   | 76,578         | 2,674,698      | 3,196,075     |
| 2016                              | 195,563   | 191,559   | 387,124   | 230,534                            | 50,091    | 421,593   | 630,419   | 57,449           | 128,726                | 7,650   | 193,823        | 1,526,458      | 1,913,582     |
| 2017                              | 227,905   | 123,336   | 351,241   | 201,263                            | 52,346    | 79,884    | 128,983   | 20,659           | 13,656                 | 0       | 34,316         | 496,788        | 848,030       |
| Beaver Bay/Balboa Bay/Unga Strait |           |           |           |                                    |           |           |           |                  |                        |         |                |                |               |
| 1988                              | 123,494   | 76,882    | 200,375   | 106,208                            | 66,273    | 51,249    | 23,019    | 5,483            | 11,617                 | 0       | 17,100         | 263,850        | 464,227       |
| 1989                              | 197,155   | 257,804   | 454,960   | 187,673                            | 58,696    | 50,884    | 34,037    | 0                | 6,059                  | 0       | 6,059          | 337,346        | 792,308       |
| 1990                              | 482,504   | 480,919   | 963,421   | 469,880                            | 39,607    | 159,200   | 93,314    | 20,133           | 6,616                  | 0       | 26,748         | 788,754        | 1,752,177     |
| 1991                              | 369,956   | 192,356   | 562,312   | 343,662                            | 40,332    | 59,938    | 51,441    | 5,013            | 3,073                  | 0       | 8,086          | 503,457        | 1,065,769     |
| 1992                              | 135,820   | 137,943   | 273,760   | 144,580                            | 31,465    | 47,470    | 20,585    | 2,510            | 2,027                  | 0       | 4,537          | 248,638        | 522,398       |
| 1993                              | 26,384    | 43,104    | 69,488    | 41,382                             | 9,532     | 31,285    | 33,351    | 3,164            | 4,362                  | 0       | 7,526          | 123,073        | 192,560       |
| 1994                              | 10,057    | 31,137    | 41,195    | 10,846                             | 4,362     | 11,236    | 24,651    | 2,254            | 5,846                  | 0       | 8,100          | 59,196         | 100,389       |
| 1996                              | 821,170   | 5,040     | 826,210   | 859,655                            | 15,533    | 10,707    | 10,287    | 715              | 368                    | 0       | 1,083          | 897,260        | 1,723,470     |
| 1997                              | 121,975   | 40,476    | 162,451   | 99,343                             | 73,182    | 18,189    | 6,765     | 0                | 1,946                  | 0       | 1,946          | 199,424        | 361,877       |
| 1998                              | 126,979   | 81,698    | 208,680   | 93,259                             | 39,343    | 56,277    | 4,983     | 0                | 0                      | 0       | 0              | 193,862        | 402,541       |
| 1999                              | 34,815    | 72,130    | 106,944   | 81,508                             | 10,811    | 41,261    | 31,839    | 860              | 0                      | 0       | 860            | 166,280        | 273,223       |

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Table 7.–Page 5 of 14.

| Year              | Females   |           |           | Number sublegal males by size (CW) |           |           |           | Recruit<br>males | Postrecruit males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|-------------------|-----------|-----------|-----------|------------------------------------|-----------|-----------|-----------|------------------|------------------------|---------|----------------|----------------|---------------|
|                   | Juvenile  | Mature    | Total     | <70 mm                             | 70–91 mm  | 92–114 mm | >114 mm   |                  | <165 mm                | ≥165 mm |                |                |               |
| 2000              | 447,950   | 37,324    | 485,274   | 432,550                            | 6,817     | 23,244    | 22,112    | 1,356            | 1,356                  | 0       | 2,713          | 487,435        | 972,710       |
| 2001              | 993,788   | 80,794    | 1,074,583 | 1,032,812                          | 91,142    | 32,641    | 16,685    | 0                | 0                      | 0       | 0              | 1,173,278      | 2,247,861     |
| 2002              | 647,596   | 316,783   | 964,379   | 570,708                            | 679,101   | 354,635   | 36,224    | 0                | 13,518                 | 0       | 13,518         | 1,654,187      | 2,618,564     |
| 2003              | 83,251    | 252,020   | 335,273   | 38,328                             | 121,196   | 246,506   | 135,914   | 7,972            | 9,654                  | 0       | 17,625         | 559,565        | 894,837       |
| 2004              | 314,553   | 203,840   | 518,391   | 324,495                            | 108,694   | 181,829   | 145,100   | 37,897           | 3,666                  | 860     | 42,421         | 802,536        | 1,320,928     |
| 2005              | 2,052,393 | 151,547   | 2,203,940 | 2,610,558                          | 88,385    | 50,775    | 64,770    | 12,484           | 0                      | 0       | 12,484         | 2,826,970      | 5,030,907     |
| 2006              | 3,800,591 | 1,083,098 | 4,883,687 | 2,631,953                          | 2,261,312 | 980,256   | 401,123   | 8,703            | 42,734                 | 0       | 51,437         | 6,326,082      | 11,209,765    |
| 2007              | 631,937   | 1,393,871 | 2,025,810 | 565,420                            | 1,747,627 | 1,405,074 | 476,954   | 25,175           | 2,880                  | 1,148   | 29,202         | 4,224,279      | 6,250,086     |
| 2008              | 794,200   | 2,652,921 | 3,447,121 | 420,984                            | 1,934,846 | 2,289,198 | 1,200,370 | 144,915          | 3,583                  | 2,154   | 150,651        | 5,996,051      | 9,443,172     |
| 2009              | 414,125   | 2,090,678 | 2,504,802 | 286,953                            | 546,197   | 1,117,426 | 1,391,497 | 752,534          | 103,165                | 949     | 856,649        | 4,198,722      | 6,703,528     |
| 2010              | 84,384    | 814,393   | 898,778   | 49,936                             | 67,410    | 240,531   | 415,764   | 104,717          | 132,100                | 1,731   | 238,548        | 1,012,186      | 1,910,964     |
| 2011              | 135,533   | 328,382   | 463,914   | 121,776                            | 19,910    | 80,312    | 294,279   | 21,795           | 157,643                | 0       | 179,438        | 695,712        | 1,159,627     |
| 2012              | 126,130   | 132,348   | 258,476   | 157,309                            | 1,634     | 44,081    | 394,934   | 8,372            | 259,847                | 0       | 268,219        | 866,177        | 1,124,653     |
| 2013              | 1,870,044 | 112,798   | 1,982,841 | 1,710,549                          | 57,369    | 23,486    | 47,765    | 0                | 12,589                 | 0       | 12,589         | 1,851,756      | 3,834,596     |
| 2014              | 439,348   | 95,103    | 534,452   | 256,515                            | 452,473   | 165,787   | 100,688   | 0                | 48,515                 | 894     | 49,409         | 1,024,875      | 1,559,324     |
| 2015              | 82,817    | 256,949   | 339,762   | 83,471                             | 126,344   | 299,302   | 143,032   | 0                | 49,262                 | 0       | 49,262         | 701,410        | 1,041,173     |
| 2016              | 58,376    | 99,710    | 158,086   | 68,857                             | 12,822    | 65,334    | 33,343    | 5,150            | 1,550                  | 0       | 6,701          | 187,058        | 345,143       |
| 2017              | 210,858   | 26,021    | 236,878   | 234,594                            | 17,149    | 22,173    | 22,888    | 1,513            | 949                    | 0       | 2,462          | 299,265        | 536,142       |
| West Nagai Strait |           |           |           |                                    |           |           |           |                  |                        |         |                |                |               |
| 1989              | 250,282   | 193,216   | 443,498   | 291,460                            | 134,656   | 68,629    | 23,042    | 1,859            | 5,185                  | 0       | 7,044          | 524,830        | 968,328       |
| 1990              | 221,904   | 36,745    | 258,648   | 227,456                            | 16,930    | 17,328    | 5,672     | 0                | 908                    | 0       | 908            | 268,294        | 526,945       |
| 1991              | 209,317   | 22,391    | 231,706   | 232,608                            | 5,312     | 5,312     | 15,936    | 3,813            | 0                      | 0       | 3,813          | 262,982        | 494,688       |
| 1992              | 24,424    | 31,724    | 56,149    | 13,307                             | 8,214     | 18,230    | 7,954     | 0                | 3,165                  | 0       | 3,165          | 50,869         | 107,019       |
| 1993              | 19,404    | 4,835     | 24,239    | 15,942                             | 9,600     | 74,295    | 14,798    | 908              | 0                      | 0       | 908            | 115,543        | 139,783       |
| 1994              | 20,348    | 24,860    | 45,209    | 8,271                              | 24,514    | 29,969    | 27,083    | 8,469            | 0                      | 0       | 8,469          | 98,302         | 143,511       |
| 1996              | 48,279    | 4,706     | 52,985    | 38,902                             | 7,431     | 16,596    | 20,149    | 0                | 908                    | 0       | 908            | 83,987         | 136,973       |
| 1997              | 333,029   | 263,583   | 596,610   | 180,060                            | 292,165   | 173,199   | 25,182    | 0                | 4,706                  | 0       | 4,706          | 675,310        | 1,271,918     |
| 1998              | 84,815    | 122,946   | 207,760   | 35,756                             | 106,723   | 175,190   | 58,732    | 3,564            | 908                    | 0       | 4,473          | 380,874        | 588,635       |
| 1999              | 58,649    | 24,684    | 83,333    | 45,436                             | 34,194    | 28,481    | 46,396    | 5,615            | 0                      | 0       | 5,615          | 160,121        | 243,452       |
| 2000              | 320,957   | 23,673    | 344,630   | 363,106                            | 5,425     | 5,696     | 18,988    | 5,615            | 1,899                  | 0       | 7,513          | 400,728        | 745,355       |
| 2001              | 499,829   | 68,360    | 568,187   | 340,805                            | 124,643   | 65,414    | 32,390    | 908              | 0                      | 0       | 908            | 564,160        | 1,132,347     |
| 2002              | 180,556   | 126,619   | 307,175   | 82,437                             | 89,360    | 287,060   | 100,976   | 4,747            | 0                      | 0       | 4,747          | 564,577        | 871,751       |
| 2003              | 39,253    | 57,642    | 96,894    | 7,611                              | 59,635    | 37,323    | 11,146    | 3,798            | 0                      | 0       | 3,798          | 119,511        | 216,403       |

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Table 7.–Page 6 of 14.

| Year         | Females   |           |            | Number sublegal males by size (CW) |           |           |           | Recruit<br>males | Postrecruit males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|--------------|-----------|-----------|------------|------------------------------------|-----------|-----------|-----------|------------------|------------------------|---------|----------------|----------------|---------------|
|              | Juvenile  | Mature    | Total      | <70 mm                             | 70–91 mm  | 92–114 mm | >114 mm   |                  | <165 mm                | ≥165 mm |                |                |               |
| 2004         | 36,564    | 92,054    | 128,616    | 32,796                             | 11,393    | 59,786    | 46,150    | 12,301           | 1,899                  | 0       | 14,199         | 164,324        | 292,939       |
| 2005         | 408,940   | 46,500    | 455,439    | 470,143                            | 14,241    | 38,507    | 70,970    | 11,106           | 0                      | 0       | 11,106         | 604,965        | 1,060,404     |
| 2006         | 1,141,989 | 123,506   | 1,265,496  | 850,316                            | 605,915   | 157,389   | 115,801   | 908              | 2,725                  | 0       | 3,633          | 1,733,056      | 2,998,552     |
| 2007         | 1,114,056 | 2,408,980 | 3,523,033  | 402,145                            | 1,710,559 | 1,254,230 | 435,630   | 27,634           | 41,115                 | 0       | 68,749         | 3,871,309      | 7,394,343     |
| 2008         | 814,607   | 6,810,600 | 7,625,208  | 287,211                            | 1,808,034 | 2,620,888 | 1,177,024 | 58,937           | 42,677                 | 0       | 101,615        | 5,994,769      | 13,619,975    |
| 2009         | 317,524   | 9,700,974 | 10,018,498 | 95,226                             | 1,300,764 | 2,953,848 | 3,184,350 | 542,834          | 87,282                 | 11,779  | 641,896        | 8,176,082      | 18,194,579    |
| 2010         | 191,030   | 3,321,173 | 3,512,202  | 147,975                            | 164,797   | 1,003,031 | 2,061,674 | 1,302,037        | 188,142                | 26,083  | 1,516,261      | 4,893,740      | 8,405,943     |
| 2011         | 30,611    | 578,793   | 609,403    | 61,776                             | 21,573    | 239,696   | 708,342   | 73,083           | 179,640                | 9,513   | 262,232        | 1,293,619      | 1,903,020     |
| 2012         | 66,031    | 190,882   | 256,912    | 133,765                            | 9,128     | 55,834    | 524,154   | 39,306           | 583,933                | 17,486  | 640,724        | 1,363,604      | 1,620,515     |
| 2013         | 1,668,899 | 78,948    | 1,747,847  | 1,539,235                          | 79,494    | 54,809    | 202,169   | 3,798            | 99,873                 | 0       | 103,671        | 1,979,370      | 3,727,216     |
| 2014         | 697,452   | 204,010   | 901,461    | 257,672                            | 450,736   | 158,082   | 142,954   | 0                | 47,241                 | 0       | 47,241         | 1,056,685      | 1,958,145     |
| 2015         | 131,991   | 174,763   | 306,751    | 36,968                             | 184,382   | 486,886   | 201,491   | 7,331            | 6,122                  | 0       | 13,453         | 923,179        | 1,229,930     |
| 2016         | 13,831    | 2,697,909 | 2,711,740  | 0                                  | 47,031    | 465,316   | 476,733   | 5,219            | 23,855                 | 0       | 29,075         | 1,018,152      | 3,729,891     |
| 2017         | 1,882,711 | 714,523   | 2,597,235  | 1,913,960                          | 43,271    | 129,983   | 236,985   | 10,728           | 0                      | 0       | 10,728         | 2,334,927      | 4,932,162     |
| Stepovak Bay |           |           |            |                                    |           |           |           |                  |                        |         |                |                |               |
| 1989         | 267,791   | 114,335   | 382,127    | 245,657                            | 14,727    | 13,898    | 0         | 0                | 0                      | 0       | 0              | 274,280        | 656,409       |
| 1990         | 680,510   | 128,590   | 809,103    | 793,942                            | 6,962     | 23,206    | 14,727    | 3,883            | 6,158                  | 0       | 10,041         | 848,878        | 1,657,978     |
| 1991         | 170,885   | 19,489    | 190,373    | 216,341                            | 4,071     | 25,759    | 12,640    | 0                | 6,158                  | 0       | 6,158          | 264,969        | 455,342       |
| 1992         | 209,362   | 15,530    | 224,892    | 183,775                            | 6,204     | 27,937    | 6,985     | 0                | 0                      | 0       | 0              | 224,900        | 449,791       |
| 1993         | 8,906     | 3,883     | 12,789     | 9,296                              | 0         | 3,079     | 0         | 0                | 3,079                  | 0       | 3,079          | 15,454         | 28,243        |
| 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         | 32,692        |
| 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     | 53,839                             | 0         | 0         | 0         | 0                | 0                      | 0       | 0              | 53,839         | 87,865        |
| 2000         | 168,177   | 0         | 168,177    | 179,301                            | 0         | 0         | 0         | 0                | 0                      | 0       | 0              | 179,301        | 347,480       |
| 2001         | 276,563   | 0         | 276,563    | 278,539                            | 3,415     | 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     | 37,037                             | 0         | 0         | 930       | 0                | 0                      | 0       | 0              | 37,967         | 71,738        |
| 2004         | 62,485    | 992       | 63,477     | 81,486                             | 688       | 992       | 0         | 0                | 0                      | 0       | 0              | 83,166         | 146,643       |
| 2005         | 358,179   | 930       | 359,108    | 466,461                            | 4,969     | 992       | 0         | 0                | 0                      | 0       | 0              | 472,422        | 831,530       |
| 2006         | 938,817   | 8,397     | 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       |

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Table 7.–Page 7 of 14.

| Year                                | Females    |            |            | Number sublegal males by size (CW) |           |            |            | Recruit<br>males | Postrecruit males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|-------------------------------------|------------|------------|------------|------------------------------------|-----------|------------|------------|------------------|------------------------|---------|----------------|----------------|---------------|
|                                     | Juvenile   | Mature     | Total      | <70 mm                             | 70–91 mm  | 92–114 mm  | >114 mm    |                  | <165 mm                | ≥165 mm |                |                |               |
| 2008                                | 149,567    | 11,295     | 160,863    | 126,217                            | 71,453    | 28,082     | 6,639      | 992              | 0                      | 0       | 992            | 233,383        | 394,245       |
| 2009                                | 44,951     | 4,151      | 49,101     | 56,933                             | 7,515     | 25,021     | 4,681      | 0                | 835                    | 0       | 835            | 94,988         | 144,089       |
| 2010                                | 29,109     | 860        | 29,969     | 29,977                             | 4,603     | 17,862     | 33,745     | 12,236           | 0                      | 0       | 12,236         | 98,422         | 128,391       |
| 2011                                | 96,677     | 3,720      | 100,396    | 109,749                            | 2,324     | 1,240      | 3,534      | 0                | 2,480                  | 0       | 2,480          | 119,326        | 219,721       |
| 2012                                | 59,065     | 3,664      | 62,729     | 57,083                             | 992       | 4,433      | 8,319      | 0                | 992                    | 0       | 992            | 71,818         | 134,547       |
| 2013                                | 270,287    | 992        | 271,279    | 299,751                            | 1,162     | 688        | 0          | 0                | 0                      | 0       | 0              | 301,602        | 572,880       |
| 2014                                | 45,249     | 1,984      | 47,233     | 33,618                             | 5,121     | 1,523      | 4,352      | 0                | 688                    | 835     | 1,523          | 46,138         | 93,371        |
| 2015                                | 41,084     | 0          | 41,084     | 49,459                             | 3,842     | 688        | 930        | 0                | 0                      | 0       | 0              | 54,919         | 96,003        |
| 2016                                | 8,783      | 0          | 8,783      | 12,963                             | 0         | 1,600      | 0          | 0                | 0                      | 0       | 0              | 14,564         | 23,347        |
| 2017                                | 256,095    | 2,480      | 258,575    | 278,265                            | 2,168     | 2,090      | 0          | 0                | 0                      | 0       | 0              | 282,524        | 541,099       |
| WESTERN SECTION TOTALS <sup>a</sup> |            |            |            |                                    |           |            |            |                  |                        |         |                |                |               |
| 1988                                | 655,064    | 682,880    | 1,337,943  | 356,667                            | 436,324   | 423,727    | 400,868    | 164,004          | 59,282                 | 22,345  | 245,629        | 1,863,217      | 3,201,164     |
| 1989                                | 4,721,216  | 1,266,074  | 5,987,290  | 4,270,586                          | 1,203,839 | 432,260    | 195,923    | 43,932           | 5,349                  | 0       | 49,281         | 6,151,889      | 12,139,181    |
| 1990                                | 4,228,164  | 1,816,847  | 6,045,012  | 3,234,293                          | 1,199,867 | 872,169    | 448,448    | 112,963          | 75,217                 | 4,651   | 192,831        | 5,947,608      | 11,992,623    |
| 1991                                | 2,603,615  | 1,130,557  | 3,734,173  | 2,327,506                          | 570,628   | 492,588    | 550,612    | 93,458           | 156,927                | 161     | 250,548        | 4,191,880      | 7,926,061     |
| 1992                                | 887,540    | 1,037,688  | 1,925,222  | 562,033                            | 595,792   | 412,875    | 341,316    | 72,083           | 61,232                 | 2,482   | 135,798        | 2,047,813      | 3,973,035     |
| 1993                                | 464,188    | 829,117    | 1,293,304  | 321,376                            | 258,452   | 560,630    | 506,802    | 96,473           | 86,195                 | 1,383   | 184,055        | 1,831,311      | 3,124,617     |
| 1994                                | 215,360    | 535,474    | 750,832    | 143,388                            | 119,095   | 196,627    | 285,474    | 33,847           | 58,355                 | 1,217   | 93,419         | 838,003        | 1,588,839     |
| 1996                                | 1,035,974  | 252,293    | 1,288,266  | 811,385                            | 133,955   | 81,161     | 115,920    | 30,207           | 32,547                 | 201     | 62,954         | 1,205,376      | 2,493,640     |
| 1997                                | 355,889    | 149,743    | 505,630    | 206,087                            | 209,470   | 188,505    | 132,999    | 44,181           | 9,881                  | 483     | 54,544         | 791,599        | 1,297,230     |
| 1998                                | 1,465,551  | 2,204,237  | 3,669,786  | 772,260                            | 1,475,103 | 1,813,544  | 550,770    | 87,283           | 88,779                 | 5,616   | 181,680        | 4,793,356      | 8,463,138     |
| 1999                                | 342,123    | 636,464    | 978,586    | 153,560                            | 345,278   | 831,308    | 1,038,408  | 124,154          | 81,266                 | 2,768   | 208,186        | 2,576,745      | 3,555,330     |
| 2000                                | 1,725,651  | 1,140,758  | 2,866,408  | 1,706,813                          | 313,433   | 741,061    | 1,052,210  | 627,452          | 116,675                | 2,811   | 746,940        | 4,560,458      | 7,426,864     |
| 2001                                | 2,758,213  | 479,387    | 3,237,599  | 2,185,718                          | 997,972   | 435,439    | 496,140    | 280,453          | 120,306                | 13,810  | 414,565        | 4,529,841      | 7,767,438     |
| 2002                                | 3,380,746  | 1,925,983  | 5,306,728  | 2,311,625                          | 1,896,190 | 1,207,571  | 598,898    | 100,232          | 252,261                | 5,882   | 358,374        | 6,372,654      | 11,679,381    |
| 2003                                | 1,216,984  | 2,126,305  | 3,343,288  | 557,569                            | 1,501,580 | 1,218,251  | 580,657    | 38,984           | 117,228                | 1,136   | 157,348        | 4,015,403      | 7,358,695     |
| 2004                                | 1,644,531  | 1,907,190  | 3,551,721  | 1,338,815                          | 611,591   | 1,932,875  | 2,463,697  | 278,326          | 162,396                | 6,288   | 447,009        | 6,793,984      | 10,345,703    |
| 2005                                | 1,759,147  | 3,992,843  | 5,751,990  | 1,271,290                          | 535,709   | 695,595    | 1,421,092  | 483,433          | 214,650                | 2,649   | 700,731        | 4,624,416      | 10,376,407    |
| 2006                                | 19,805,345 | 2,524,801  | 22,330,149 | 18,426,745                         | 1,025,587 | 921,121    | 1,262,073  | 286,592          | 264,774                | 19,419  | 570,786        | 22,206,312     | 44,536,456    |
| 2007                                | 18,952,019 | 5,215,098  | 24,167,122 | 11,654,288                         | 8,839,057 | 2,694,444  | 2,604,023  | 548,998          | 222,204                | 11,256  | 782,456        | 26,574,264     | 50,741,385    |
| 2008                                | 4,563,668  | 16,817,109 | 21,380,778 | 1,919,813                          | 9,343,053 | 16,555,586 | 3,090,583  | 856,067          | 285,175                | 41,372  | 1,182,615      | 32,091,647     | 53,472,427    |
| 2009                                | 1,095,990  | 4,360,666  | 5,456,657  | 664,300                            | 960,884   | 4,880,916  | 10,815,400 | 719,821          | 42,876                 | 24,579  | 787,276        | 18,108,768     | 23,565,421    |
| 2010                                | 493,507    | 5,729,826  | 6,223,332  | 463,601                            | 111,093   | 815,733    | 4,465,616  | 7,267,488        | 467,808                | 347,435 | 8,086,451      | 13,942,496     | 20,165,828    |

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Table 7.–Page 8 of 14.

| Year                                | Females   |            |            | Number sublegal males by size (CW) |           |           |           | Recruit males | Postrecruit males (CW) |         | Legal males | Total males | Total crab |
|-------------------------------------|-----------|------------|------------|------------------------------------|-----------|-----------|-----------|---------------|------------------------|---------|-------------|-------------|------------|
|                                     | Juvenile  | Mature     | Total      | <70 mm                             | 70–91 mm  | 92–114 mm | >114 mm   |               | <165 mm                | ≥165 mm |             |             |            |
| 2011                                | 850,560   | 2,695,145  | 3,545,703  | 835,954                            | 74,081    | 204,060   | 1,499,612 | 1,395,568     | 2,701,168              | 338,692 | 4,435,426   | 7,049,136   | 10,594,832 |
| 2012                                | 700,678   | 931,702    | 1,632,381  | 726,293                            | 122,702   | 187,197   | 613,482   | 93,138        | 1,497,304              | 134,076 | 1,724,521   | 3,374,196   | 5,006,576  |
| 2013                                | 8,339,999 | 194,935    | 8,534,930  | 8,590,809                          | 449,389   | 89,969    | 199,301   | 72,276        | 609,927                | 48,319  | 730,524     | 10,059,997  | 18,594,928 |
| 2014                                | 3,875,188 | 1,842,475  | 5,717,662  | 2,551,115                          | 1,378,113 | 1,063,026 | 948,134   | 3,471         | 1,230,800              | 117,115 | 1,351,386   | 7,291,772   | 13,009,434 |
| 2015                                | 2,275,530 | 2,467,076  | 4,742,605  | 784,980                            | 2,475,996 | 3,692,457 | 1,380,328 | 166,049       | 184,775                | 2,727   | 353,550     | 8,687,313   | 13,429,919 |
| 2016                                | 193,971   | 3,249,119  | 3,443,087  | 172,476                            | 219,657   | 1,681,658 | 2,883,549 | 114,098       | 421,968                | 1,025   | 537,093     | 5,494,431   | 8,937,519  |
| 2017                                | 703,840   | 410,471    | 1,114,311  | 722,294                            | 55,659    | 232,435   | 631,092   | 60,791        | 40,699                 | 483     | 101,973     | 1,743,455   | 2,857,767  |
| EASTERN SECTION TOTALS <sup>b</sup> |           |            |            |                                    |           |           |           |               |                        |         |             |             |            |
| 1988                                | 519,966   | 928,187    | 1,448,150  | 424,999                            | 258,112   | 484,680   | 412,423   | 185,621       | 84,204                 | 65,785  | 335,610     | 1,915,828   | 3,363,984  |
| 1989                                | 1,698,199 | 2,202,687  | 3,900,888  | 1,431,355                          | 586,769   | 397,126   | 366,186   | 83,983        | 60,053                 | 13,946  | 157,979     | 2,939,412   | 6,840,306  |
| 1990                                | 2,403,623 | 2,660,387  | 5,064,014  | 2,291,826                          | 528,996   | 683,099   | 389,067   | 79,945        | 115,007                | 12,666  | 207,619     | 4,100,607   | 9,164,622  |
| 1991                                | 1,226,637 | 700,103    | 1,926,735  | 1,234,918                          | 125,340   | 306,036   | 278,829   | 48,760        | 78,876                 | 4,066   | 131,702     | 2,076,832   | 4,003,566  |
| 1992                                | 533,686   | 437,095    | 970,777    | 400,981                            | 180,080   | 187,164   | 152,453   | 34,454        | 24,738                 | 0       | 59,192      | 979,872     | 1,950,649  |
| 1993                                | 165,692   | 220,355    | 386,046    | 130,834                            | 168,922   | 581,383   | 261,900   | 41,911        | 31,473                 | 1,897   | 75,280      | 1,218,313   | 1,604,358  |
| 1994                                | 99,662    | 172,545    | 272,208    | 70,347                             | 75,216    | 128,519   | 189,369   | 64,355        | 33,621                 | 0       | 97,976      | 561,432     | 833,636    |
| 1996                                | 1,169,738 | 61,513     | 1,231,253  | 1,180,715                          | 62,238    | 51,393    | 79,181    | 15,413        | 10,561                 | 980     | 26,954      | 1,400,475   | 2,631,730  |
| 1997                                | 533,601   | 382,879    | 916,479    | 332,617                            | 412,537   | 271,761   | 84,436    | 5,258         | 34,385                 | 899     | 40,544      | 1,141,891   | 2,058,373  |
| 1998                                | 371,629   | 374,530    | 746,166    | 206,427                            | 332,834   | 566,935   | 479,285   | 12,107        | 58,005                 | 0       | 70,113      | 1,655,590   | 2,401,759  |
| 1999                                | 177,341   | 172,736    | 350,077    | 221,179                            | 81,848    | 175,113   | 190,578   | 85,555        | 9,463                  | 0       | 95,018      | 763,735     | 1,113,809  |
| 2000                                | 2,158,630 | 289,964    | 2,448,595  | 2,038,772                          | 245,941   | 179,274   | 286,602   | 99,669        | 31,915                 | 0       | 131,585     | 2,882,178   | 5,330,772  |
| 2001                                | 2,407,509 | 364,494    | 2,771,999  | 2,026,095                          | 556,714   | 331,563   | 195,968   | 43,606        | 29,816                 | 0       | 73,423      | 3,183,764   | 5,955,761  |
| 2002                                | 2,016,038 | 852,713    | 2,868,749  | 1,798,150                          | 1,153,211 | 1,193,837 | 554,258   | 50,660        | 57,313                 | 1,225   | 109,196     | 4,808,651   | 7,677,402  |
| 2003                                | 334,624   | 566,390    | 901,015    | 209,515                            | 371,869   | 599,376   | 481,949   | 55,166        | 89,622                 | 921     | 145,708     | 1,808,407   | 2,709,424  |
| 2004                                | 701,116   | 645,138    | 1,346,251  | 697,581                            | 224,187   | 784,269   | 596,010   | 154,429       | 120,594                | 3,060   | 278,079     | 2,580,123   | 3,926,375  |
| 2005                                | 3,874,685 | 523,812    | 4,398,495  | 4,517,914                          | 441,203   | 390,487   | 547,389   | 54,352        | 75,552                 | 0       | 129,904     | 6,026,888   | 10,425,382 |
| 2006                                | 9,128,151 | 1,533,556  | 10,661,707 | 7,915,504                          | 3,589,094 | 1,508,177 | 747,170   | 37,315        | 100,216                | 980     | 138,510     | 13,898,454  | 24,560,160 |
| 2007                                | 3,635,722 | 4,589,749  | 8,225,469  | 2,452,481                          | 4,911,124 | 3,649,778 | 1,474,214 | 121,658       | 109,660                | 1,148   | 232,466     | 12,720,060  | 20,945,533 |
| 2008                                | 3,689,775 | 11,571,924 | 15,261,700 | 1,359,617                          | 6,996,968 | 7,552,433 | 4,016,065 | 523,400       | 68,184                 | 8,057   | 599,643     | 20,524,726  | 35,786,424 |
| 2009                                | 2,069,821 | 14,345,425 | 16,415,244 | 1,364,586                          | 2,749,723 | 7,266,215 | 9,584,893 | 2,563,833     | 345,517                | 35,918  | 2,945,270   | 23,910,686  | 40,325,930 |
| 2010                                | 911,949   | 5,465,094  | 6,377,045  | 701,172                            | 628,124   | 1,893,650 | 4,808,305 | 3,152,013     | 896,085                | 60,444  | 4,108,541   | 12,139,787  | 18,516,835 |
| 2011                                | 624,920   | 1,451,088  | 2,076,005  | 660,450                            | 226,825   | 501,618   | 1,760,187 | 274,879       | 1,419,359              | 46,440  | 1,740,674   | 4,889,751   | 6,965,756  |
| 2012                                | 760,149   | 654,088    | 1,414,233  | 882,169                            | 66,546    | 324,364   | 1,356,852 | 84,690        | 1,377,527              | 29,019  | 1,491,235   | 4,121,159   | 5,535,393  |
| 2013                                | 9,446,774 | 461,092    | 9,907,862  | 9,775,032                          | 929,912   | 204,637   | 424,393   | 50,352        | 225,602                | 1,625   | 277,579     | 11,611,542  | 21,519,400 |

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Table 7.–Page 9 of 14.

| Year                            | Females    |            |            | Number sublegal males by size (CW) |            |            |            | Recruit<br>males | Postrecruit males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|---------------------------------|------------|------------|------------|------------------------------------|------------|------------|------------|------------------|------------------------|---------|----------------|----------------|---------------|
|                                 | Juvenile   | Mature     | Total      | <70 mm                             | 70–91 mm   | 92–114 mm  | >114 mm    |                  | <165 mm                | ≥165 mm |                |                |               |
| 2014                            | 2,547,669  | 631,271    | 3,178,943  | 1,536,972                          | 2,039,162  | 1,007,520  | 496,988    | 28,744           | 269,063                | 4,999   | 302,808        | 5,383,452      | 8,562,392     |
| 2015                            | 400,951    | 808,029    | 1,208,973  | 271,230                            | 834,929    | 2,053,631  | 1,055,129  | 44,106           | 94,153                 | 1,035   | 139,293        | 4,354,206      | 5,563,181     |
| 2016                            | 276,553    | 2,989,178  | 3,265,733  | 312,354                            | 109,944    | 953,843    | 1,140,495  | 67,818           | 154,131                | 7,650   | 229,599        | 2,746,232      | 6,011,963     |
| 2017                            | 2,577,569  | 866,360    | 3,443,929  | 2,628,082                          | 114,934    | 234,130    | 388,856    | 32,900           | 14,605                 | 0       | 47,506         | 3,413,504      | 6,857,433     |
| SOUTH PENINSULA DISTRICT TOTALS |            |            |            |                                    |            |            |            |                  |                        |         |                |                |               |
| 1988                            | 1,175,030  | 1,611,067  | 2,786,093  | 781,666                            | 694,436    | 908,407    | 813,291    | 349,625          | 143,486                | 88,130  | 581,239        | 3,779,047      | 6,565,148     |
| 1989                            | 6,419,415  | 3,468,761  | 9,888,178  | 5,701,941                          | 1,790,608  | 829,386    | 562,109    | 127,915          | 65,402                 | 13,946  | 207,260        | 9,091,300      | 18,979,487    |
| 1990                            | 6,631,787  | 4,477,234  | 11,109,026 | 5,526,119                          | 1,728,863  | 1,555,268  | 837,515    | 192,908          | 190,224                | 17,317  | 400,450        | 10,048,216     | 21,157,245    |
| 1991                            | 3,830,252  | 1,830,660  | 5,660,908  | 3,562,424                          | 695,968    | 798,624    | 829,441    | 142,218          | 235,803                | 4,227   | 382,250        | 6,268,716      | 11,929,627    |
| 1992                            | 1,421,226  | 1,474,783  | 2,895,999  | 963,014                            | 775,872    | 600,039    | 493,769    | 106,537          | 85,970                 | 2,482   | 194,990        | 3,027,682      | 5,923,684     |
| 1993                            | 629,880    | 1,049,472  | 1,679,350  | 452,210                            | 427,374    | 1,142,013  | 768,702    | 138,384          | 117,668                | 3,280   | 259,335        | 3,049,626      | 4,728,975     |
| 1994                            | 315,022    | 708,019    | 1,023,040  | 213,735                            | 194,311    | 325,146    | 474,843    | 98,202           | 91,976                 | 1,217   | 191,395        | 1,399,438      | 2,422,475     |
| 1996                            | 2,205,712  | 313,806    | 2,519,519  | 1,992,100                          | 196,193    | 132,554    | 195,101    | 45,620           | 43,108                 | 1,181   | 89,908         | 2,605,851      | 5,125,370     |
| 1997                            | 889,490    | 532,622    | 1,422,109  | 538,704                            | 622,007    | 460,266    | 217,435    | 49,439           | 44,266                 | 1,382   | 95,088         | 1,933,490      | 3,355,603     |
| 1998                            | 1,837,180  | 2,578,767  | 4,415,952  | 978,687                            | 1,807,937  | 2,380,479  | 1,030,055  | 99,390           | 146,784                | 5,616   | 251,793        | 6,448,946      | 10,864,897    |
| 1999                            | 519,464    | 809,200    | 1,328,663  | 374,739                            | 427,126    | 1,006,421  | 1,228,986  | 209,709          | 90,729                 | 2,768   | 303,204        | 3,340,480      | 4,669,139     |
| 2000                            | 3,884,281  | 1,430,722  | 5,315,003  | 3,745,585                          | 559,374    | 920,335    | 1,338,812  | 727,121          | 148,590                | 2,811   | 878,525        | 7,442,636      | 12,757,636    |
| 2001                            | 5,165,722  | 843,881    | 6,009,598  | 4,211,813                          | 1,554,686  | 767,002    | 692,108    | 324,059          | 150,122                | 13,810  | 487,988        | 7,713,605      | 13,723,199    |
| 2002                            | 5,396,784  | 2,778,696  | 8,175,477  | 4,109,775                          | 3,049,401  | 2,401,408  | 1,153,156  | 150,892          | 309,574                | 7,107   | 467,570        | 11,181,305     | 19,356,783    |
| 2003                            | 1,551,608  | 2,692,695  | 4,244,303  | 767,084                            | 1,873,449  | 1,817,627  | 1,062,606  | 94,150           | 206,850                | 2,057   | 303,056        | 5,823,810      | 10,068,119    |
| 2004                            | 2,345,647  | 2,552,328  | 4,897,972  | 2,036,396                          | 835,778    | 2,717,144  | 3,059,707  | 432,755          | 282,990                | 9,348   | 725,088        | 9,374,107      | 14,272,078    |
| 2005                            | 5,633,832  | 4,516,655  | 10,150,485 | 5,789,204                          | 976,912    | 1,086,082  | 1,968,481  | 537,785          | 290,202                | 2,649   | 830,635        | 10,651,304     | 20,801,789    |
| 2006                            | 28,933,496 | 4,058,357  | 32,991,856 | 26,342,249                         | 4,614,681  | 2,429,298  | 2,009,243  | 323,907          | 364,990                | 20,399  | 709,296        | 36,104,766     | 69,096,616    |
| 2007                            | 22,587,741 | 9,804,847  | 32,392,591 | 14,106,769                         | 13,750,181 | 6,344,222  | 4,078,237  | 670,656          | 331,864                | 12,404  | 1,014,922      | 39,294,324     | 71,686,918    |
| 2008                            | 8,253,443  | 28,389,033 | 36,642,478 | 3,279,430                          | 16,340,021 | 24,108,019 | 7,106,648  | 1,379,467        | 353,359                | 49,429  | 1,782,258      | 52,616,373     | 89,258,851    |
| 2009                            | 3,165,811  | 18,706,091 | 21,871,901 | 2,028,886                          | 3,710,607  | 12,147,131 | 20,400,293 | 3,283,654        | 388,393                | 60,497  | 3,732,546      | 42,019,454     | 63,891,351    |
| 2010                            | 1,405,456  | 11,194,920 | 12,600,377 | 1,164,773                          | 739,217    | 2,709,383  | 9,273,921  | 10,419,501       | 1,363,893              | 407,879 | 12,194,992     | 26,082,283     | 38,682,663    |
| 2011                            | 1,475,480  | 4,146,233  | 5,621,708  | 1,496,404                          | 300,906    | 705,678    | 3,259,799  | 1,670,447        | 4,120,527              | 385,132 | 6,176,100      | 11,938,887     | 17,560,588    |
| 2012                            | 1,460,827  | 1,585,790  | 3,046,614  | 1,608,462                          | 189,248    | 511,561    | 1,970,334  | 177,828          | 2,874,831              | 163,095 | 3,215,756      | 7,495,355      | 10,541,969    |
| 2013                            | 17,786,773 | 656,027    | 18,442,792 | 18,365,841                         | 1,379,301  | 294,606    | 623,694    | 122,628          | 835,529                | 49,944  | 1,008,103      | 21,671,539     | 40,114,328    |
| 2014                            | 6,422,857  | 2,473,746  | 8,896,605  | 4,088,087                          | 3,417,275  | 2,070,546  | 1,445,122  | 32,215           | 1,499,863              | 122,114 | 1,654,194      | 12,675,224     | 21,571,826    |
| 2015                            | 2,676,481  | 3,275,105  | 5,951,578  | 1,056,210                          | 3,310,925  | 5,746,088  | 2,435,457  | 210,155          | 278,928                | 3,762   | 492,843        | 13,041,519     | 18,993,100    |
| 2016                            | 470,524    | 6,238,297  | 6,708,820  | 484,830                            | 329,601    | 2,635,501  | 4,024,044  | 181,916          | 576,099                | 8,675   | 766,692        | 8,240,663      | 14,949,482    |
| 2017                            | 3,281,409  | 1,276,831  | 4,558,240  | 3,350,376                          | 170,593    | 466,565    | 1,019,948  | 93,691           | 55,304                 | 483     | 149,479        | 5,156,959      | 9,715,200     |

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Table 7.–Page 10 of 14.

|                    | Females   |           |           | Number sublegal males by size (CW) |           |           |           | Recruit<br>males | Postrecruit males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|--------------------|-----------|-----------|-----------|------------------------------------|-----------|-----------|-----------|------------------|------------------------|---------|----------------|----------------|---------------|
| Year               | Juvenile  | Mature    | Total     | <70 mm                             | 70–91 mm  | 92–114 mm | >114 mm   |                  | <165 mm                | ≥165 mm |                |                |               |
| CHIGNIK DISTRICT   |           |           |           |                                    |           |           |           |                  |                        |         |                |                |               |
| Ivanof Bay         |           |           |           |                                    |           |           |           |                  |                        |         |                |                |               |
| 1989               | 267,850   | 164,754   | 432,603   | 213,734                            | 83,220    | 471,604   | 445,292   | 204,617          | 7,396                  | 7,396   | 219,409        | 1,433,259      | 1,865,862     |
| 1990               | 617,894   | 19,342    | 637,235   | 719,143                            | 10,379    | 67,805    | 150,805   | 64,921           | 0                      | 0       | 64,921         | 1,013,052      | 1,650,287     |
| 1991               | 275,037   | 1,476     | 276,513   | 302,532                            | 0         | 0         | 1,723     | 7,136            | 0                      | 738     | 7,874          | 312,129        | 588,643       |
| 1992               | 26,693    | 2,215     | 28,907    | 30,505                             | 1,969     | 984       | 5,028     | 4,100            | 1,889                  | 738     | 6,727          | 45,214         | 74,119        |
| 1993               | 47,617    | 1,929     | 49,546    | 26,775                             | 41,776    | 9,880     | 3,055     | 0                | 699                    | 0       | 699            | 82,185         | 131,732       |
| 1994               | 22,819    | 12,095    | 34,914    | 6,775                              | 22,612    | 12,866    | 3,833     | 984              | 246                    | 0       | 1,230          | 47,315         | 82,229        |
| 1995               | 40,024    | 3,833     | 43,857    | 46,548                             | 2,848     | 492       | 2,461     | 2,707            | 492                    | 0       | 3,199          | 55,548         | 99,405        |
| 1996               | 63,771    | 699       | 64,470    | 65,883                             | 41,649    | 6,890     | 7,872     | 8,754            | 0                      | 0       | 8,754          | 131,049        | 195,518       |
| 1997               | 22,655    | 4,675     | 27,330    | 29,632                             | 3,619     | 7,770     | 4,183     | 3,691            | 492                    | 246     | 4,429          | 49,634         | 76,964        |
| 1998               | 22,035    | 1,191     | 23,226    | 21,497                             | 1,864     | 246       | 1,230     | 1,723            | 0                      | 0       | 1,723          | 26,559         | 49,785        |
| 1999               | 42,136    | 3,652     | 45,786    | 44,603                             | 492       | 1,476     | 9,907     | 10,089           | 945                    | 0       | 11,034         | 67,511         | 113,299       |
| 2000               | 457,297   | 15,177    | 472,475   | 503,823                            | 37,727    | 25,900    | 15,503    | 10,089           | 945                    | 246     | 11,280         | 594,234        | 1,066,709     |
| 2001               | 570,000   | 85,642    | 655,640   | 403,999                            | 296,452   | 64,697    | 41,587    | 2,848            | 15,299                 | 0       | 18,147         | 824,884        | 1,480,524     |
| 2002               | 263,139   | 45,073    | 308,212   | 93,656                             | 335,981   | 326,874   | 94,638    | 3,514            | 9,228                  | 0       | 12,742         | 863,893        | 1,172,105     |
| 2003               | 25,198    | 240,133   | 265,331   | 3,168                              | 41,275    | 91,790    | 106,904   | 25,048           | 7,990                  | 0       | 33,039         | 276,173        | 541,506       |
| 2004               | 22,388    | 447,395   | 469,782   | 28,951                             | 19,736    | 179,096   | 280,796   | 69,766           | 31,471                 | 5,378   | 106,614        | 615,192        | 1,084,975     |
| 2005               | 339,705   | 898,151   | 1,237,856 | 495,062                            | 40,357    | 83,921    | 218,668   | 56,910           | 50,474                 | 1,182   | 108,565        | 946,573        | 2,184,429     |
| 2006               | 5,260,959 | 308,560   | 5,569,520 | 6,611,859                          | 1,126,263 | 82,239    | 184,384   | 53,504           | 112,773                | 46,687  | 212,964        | 8,217,712      | 13,787,229    |
| 2007               | 2,404,530 | 177,375   | 2,581,906 | 2,320,990                          | 1,640,663 | 300,377   | 64,073    | 16,935           | 25,403                 | 3,629   | 45,967         | 4,372,070      | 6,953,976     |
| 2008               | 892,396   | 754,346   | 1,646,742 | 372,457                            | 1,213,676 | 851,003   | 189,965   | 12,249           | 12,249                 | 4,083   | 28,581         | 2,655,680      | 4,302,422     |
| 2009               | 37,251    | 982,209   | 1,019,460 | 46,515                             | 290,602   | 1,099,892 | 1,011,168 | 46,640           | 31,497                 | 2,515   | 80,653         | 2,528,831      | 3,548,291     |
| 2010               | 9,536     | 379,026   | 388,562   | 14,281                             | 10,052    | 180,469   | 847,469   | 307,864          | 174,285                | 4,995   | 487,146        | 1,539,416      | 1,927,979     |
| 2011               | 99,210    | 137,350   | 236,559   | 119,793                            | 0         | 28,130    | 313,172   | 228,662          | 219,550                | 30,771  | 478,981        | 940,075        | 1,176,634     |
| 2012               | 120,616   | 36,960    | 157,577   | 151,571                            | 3,231     | 7,300     | 53,249    | 6,836            | 22,716                 | 0       | 29,551         | 244,904        | 402,480       |
| 2013               | 1,578,022 | 124,172   | 1,702,194 | 1,844,152                          | 16,434    | 12,578    | 429,087   | 0                | 419,719                | 19,189  | 438,908        | 2,741,162      | 4,443,354     |
| 2014               | 162,697   | 63,151    | 225,849   | 106,269                            | 161,705   | 201,522   | 682,703   | 0                | 715,271                | 19,016  | 734,288        | 1,886,488      | 2,112,336     |
| 2015               | 687,142   | 1,251,420 | 1,938,562 | 276,204                            | 539,085   | 450,958   | 460,557   | 21,702           | 217,000                | 3,709   | 242,411        | 1,969,214      | 3,907,774     |
| 2016               | 15,949    | 19,148    | 35,098    | 5,791                              | 20,743    | 314,860   | 270,305   | 24,332           | 628                    | 0       | 24,960         | 636,659        | 671,756       |
| 2017               | 270,628   | 328,653   | 599,281   | 268,460                            | 30,591    | 45,622    | 87,637    | 43,064           | 7,455                  | 0       | 50,519         | 482,829        | 1,082,109     |
| Mitrofanina Island |           |           |           |                                    |           |           |           |                  |                        |         |                |                |               |
| 1989               | 238,524   | 510,311   | 748,835   | 295,652                            | 155,511   | 637,889   | 315,908   | 42,526           | 17,719                 | 21,263  | 81,508         | 1,486,468      | 2,235,303     |

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Table 7.—Page 11 of 14.

| Year        | Females   |           |           | Number sublegal males by size (CW) |           |           |           | Recruit<br>males | Postrecruit males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|-------------|-----------|-----------|-----------|------------------------------------|-----------|-----------|-----------|------------------|------------------------|---------|----------------|----------------|---------------|
|             | Juvenile  | Mature    | Total     | <70 mm                             | 70–91 mm  | 92–114 mm | >114 mm   |                  | <165 mm                | ≥165 mm |                |                |               |
| 1990        | 276,450   | 29,572    | 306,022   | 249,270                            | 91,148    | 111,575   | 143,930   | 50,314           | 15,682                 | 4,005   | 70,001         | 665,923        | 971,947       |
| 1991        | 369,923   | 30,210    | 400,133   | 319,748                            | 66,937    | 43,973    | 35,851    | 32,084           | 3,591                  | 1,557   | 37,232         | 503,742        | 903,877       |
| 1992        | 243,032   | 6,463     | 249,495   | 193,452                            | 27,819    | 5,476     | 9,745     | 11,779           | 0                      | 1,557   | 13,336         | 249,825        | 499,323       |
| 1993        | 99,118    | 15,182    | 114,300   | 63,361                             | 48,606    | 28,121    | 12,889    | 12,846           | 9,048                  | 653     | 22,547         | 175,522        | 289,822       |
| 1994        | 54,918    | 5,815     | 60,733    | 31,317                             | 14,244    | 11,469    | 4,019     | 8,468            | 1,795                  | 0       | 10,264         | 71,313         | 132,044       |
| 1995        | 173,519   | 28,205    | 201,724   | 203,549                            | 10,550    | 29,769    | 20,644    | 17,563           | 0                      | 1,557   | 19,120         | 283,630        | 485,350       |
| 1997        | 421,234   | 90,723    | 511,956   | 303,776                            | 522,670   | 262,434   | 65,822    | 5,358            | 17,955                 | 6,228   | 29,541         | 1,184,241      | 1,696,197     |
| 1998        | 192,756   | 202,589   | 395,345   | 158,484                            | 113,257   | 160,133   | 65,394    | 17,920           | 21,756                 | 0       | 39,676         | 536,944        | 932,289       |
| 1999        | 151,136   | 55,605    | 206,741   | 143,630                            | 60,475    | 44,745    | 68,493    | 14,229           | 2,244                  | 2,244   | 18,717         | 336,059        | 542,801       |
| 2000        | 1,120,703 | 93,687    | 1,214,390 | 1,289,872                          | 74,232    | 58,562    | 54,854    | 58,667           | 9,801                  | 41,948  | 110,417        | 1,587,934      | 2,802,325     |
| 2001        | 569,255   | 235,543   | 804,800   | 566,154                            | 191,559   | 211,857   | 85,869    | 30,476           | 26,738                 | 5,985   | 63,201         | 1,118,638      | 1,923,440     |
| 2002        | 821,007   | 387,781   | 1,208,787 | 868,750                            | 1,887,372 | 1,093,803 | 286,266   | 40,844           | 6,855                  | 1,929   | 49,629         | 4,185,820      | 5,394,608     |
| 2003        | 214,546   | 204,351   | 418,895   | 138,961                            | 530,487   | 629,309   | 349,100   | 20,746           | 36,137                 | 5,386   | 62,270         | 1,710,127      | 2,129,024     |
| 2004        | 899,469   | 252,600   | 1,152,070 | 921,342                            | 206,230   | 1,090,695 | 1,022,954 | 291,234          | 29,722                 | 3,591   | 324,547        | 3,565,764      | 4,717,835     |
| 2005        | 2,121,311 | 133,652   | 2,254,962 | 2,169,033                          | 293,170   | 163,586   | 242,054   | 76,711           | 20,903                 | 3,863   | 101,477        | 2,969,320      | 5,224,282     |
| 2006        | 6,270,837 | 305,972   | 6,576,810 | 6,370,972                          | 808,999   | 275,366   | 284,210   | 23,279           | 66,215                 | 0       | 89,493         | 7,829,040      | 14,405,849    |
| 2007        | 2,128,167 | 633,729   | 2,761,894 | 2,022,632                          | 1,922,607 | 646,695   | 112,305   | 4,295            | 24,789                 | 2,335   | 31,420         | 4,735,660      | 7,497,554     |
| 2008        | 2,669,345 | 842,375   | 3,511,717 | 1,934,506                          | 4,368,293 | 3,101,719 | 690,953   | 47,360           | 11,970                 | 3,474   | 62,804         | 10,158,276     | 13,669,995    |
| 2009        | 643,087   | 2,351,404 | 2,994,491 | 522,959                            | 3,983,619 | 5,834,258 | 2,186,701 | 245,837          | 6,481                  | 0       | 252,317        | 12,779,855     | 15,774,344    |
| 2010        | 166,039   | 1,217,108 | 1,383,145 | 108,925                            | 211,792   | 2,465,593 | 4,302,694 | 1,514,241        | 136,391                | 14,731  | 1,665,364      | 8,754,358      | 10,137,502    |
| 2011        | 263,572   | 609,510   | 873,082   | 208,349                            | 18,044    | 191,281   | 1,793,296 | 1,136,115        | 474,682                | 43,029  | 1,653,826      | 3,864,796      | 4,737,877     |
| 2012        | 352,164   | 127,225   | 479,389   | 364,292                            | 15,717    | 56,097    | 536,787   | 95,357           | 392,931                | 12,275  | 500,563        | 1,473,460      | 1,952,850     |
| 2013        | 4,582,853 | 15,290    | 4,598,144 | 5,324,038                          | 108,729   | 37,516    | 332,606   | 8,831            | 199,580                | 13,574  | 221,985        | 6,024,875      | 10,623,019    |
| 2014        | 1,061,109 | 93,941    | 1,155,048 | 828,743                            | 349,985   | 242,579   | 239,854   | 2,684            | 100,632                | 0       | 103,317        | 1,764,475      | 2,919,523     |
| 2015        | 582,641   | 301,636   | 884,275   | 529,680                            | 218,752   | 248,879   | 234,632   | 17,223           | 45,643                 | 3,947   | 66,814         | 1,298,754      | 2,183,030     |
| 2016        | 36,723    | 58,550    | 95,274    | 15,743                             | 11,540    | 48,672    | 69,473    | 12,744           | 1,795                  | 1,557   | 16,097         | 161,526        | 256,799       |
| 2017        | 2,831,079 | 106,535   | 2,937,615 | 3,012,086                          | 116,257   | 51,287    | 45,245    | 8,676            | 0                      | 0       | 8,676          | 3,233,552      | 6,171,166     |
| Chignik Bay |           |           |           |                                    |           |           |           |                  |                        |         |                |                |               |
| 1989        | 667,856   | 444,176   | 1,112,032 | 655,157                            | 88,786    | 81,131    | 172,141   | 40,153           | 13,174                 | 0       | 53,330         | 1,050,540      | 2,162,572     |
| 1990        | 1,634,371 | 419,126   | 2,053,495 | 1,318,505                          | 111,187   | 132,241   | 441,451   | 83,208           | 77,808                 | 1,387   | 162,403        | 2,165,784      | 4,219,280     |
| 1991        | 1,110,229 | 479,825   | 1,590,054 | 1,056,644                          | 98,077    | 48,537    | 131,065   | 67,099           | 66,093                 | 0       | 133,192        | 1,467,514      | 3,057,570     |
| 1992        | 1,147,424 | 321,989   | 1,469,413 | 1,305,273                          | 91,362    | 69,122    | 34,071    | 0                | 14,828                 | 0       | 14,828         | 1,514,657      | 2,984,069     |
| 1993        | 819,309   | 215,111   | 1,034,419 | 788,593                            | 464,122   | 305,588   | 185,738   | 21,972           | 60,687                 | 3,286   | 85,945         | 1,829,984      | 2,864,402     |

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Table 7.–Page 12 of 14.

| Year        | Females   |         |           | Number sublegal males by size (CW) |           |           |           | Recruit<br>males | Postrecruit males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|-------------|-----------|---------|-----------|------------------------------------|-----------|-----------|-----------|------------------|------------------------|---------|----------------|----------------|---------------|
|             | Juvenile  | Mature  | Total     | <70 mm                             | 70–91 mm  | 92–114 mm | >114 mm   |                  | <165 mm                | ≥165 mm |                |                |               |
| 1994        | 235,113   | 135,207 | 370,319   | 71,972                             | 520,571   | 513,603   | 142,813   | 28,348           | 32,261                 | 949     | 61,558         | 1,310,519      | 1,680,837     |
| 1995        | 172,122   | 93,531  | 265,653   | 204,920                            | 3,191     | 52,923    | 174,170   | 82,082           | 14,528                 | 0       | 96,610         | 531,814        | 797,467       |
| 1996        | 1,000,292 | 128,230 | 1,128,523 | 987,387                            | 34,907    | 44,492    | 248,261   | 263,750          | 72,372                 | 0       | 336,121        | 1,651,168      | 2,779,693     |
| 1997        | 1,121,412 | 333,004 | 1,454,416 | 1,017,334                          | 268,500   | 165,228   | 234,175   | 148,418          | 75,513                 | 5,298   | 229,229        | 1,914,462      | 3,368,879     |
| 1998        | 422,380   | 623,095 | 1,045,474 | 287,692                            | 185,898   | 240,857   | 226,854   | 45,157           | 90,408                 | 1,213   | 136,778        | 1,078,078      | 2,123,552     |
| 1999        | 624,036   | 145,490 | 769,531   | 467,811                            | 307,462   | 351,337   | 428,710   | 143,757          | 163,065                | 0       | 306,820        | 1,862,137      | 2,631,665     |
| 2000        | 3,090,772 | 427,123 | 3,517,893 | 2,763,801                          | 1,617,601 | 782,373   | 540,226   | 223,265          | 182,296                | 10,387  | 415,948        | 6,119,947      | 9,637,837     |
| 2001        | 2,225,223 | 482,766 | 2,707,989 | 919,915                            | 2,814,170 | 838,299   | 414,732   | 216,631          | 48,359                 | 2,513   | 267,503        | 5,254,619      | 7,962,611     |
| 2002        | 271,896   | 688,327 | 960,222   | 111,742                            | 433,585   | 998,933   | 635,794   | 85,528           | 357,576                | 7,812   | 450,917        | 2,630,971      | 3,591,196     |
| 2003        | 134,167   | 492,743 | 626,910   | 114,283                            | 120,204   | 343,810   | 463,268   | 70,010           | 130,985                | 7,402   | 208,396        | 1,249,959      | 1,876,869     |
| 2004        | 932,885   | 567,187 | 1,500,070 | 839,542                            | 359,307   | 264,081   | 554,113   | 286,164          | 165,744                | 7,441   | 459,350        | 2,476,397      | 3,976,466     |
| 2005        | 1,009,683 | 431,973 | 1,441,654 | 1,030,864                          | 374,323   | 636,603   | 508,778   | 111,884          | 82,407                 | 1,585   | 195,876        | 2,746,444      | 4,188,095     |
| 2006        | 1,945,379 | 424,701 | 2,370,078 | 2,652,227                          | 186,324   | 236,129   | 368,214   | 70,281           | 92,667                 | 2,654   | 165,601        | 3,608,496      | 5,978,572     |
| 2007        | 767,565   | 760,170 | 1,527,735 | 765,008                            | 436,765   | 583,634   | 465,569   | 105,576          | 38,934                 | 1,898   | 146,411        | 2,397,383      | 3,925,119     |
| 2008        | 1,418,598 | 427,979 | 1,846,577 | 1,097,440                          | 877,101   | 923,069   | 680,855   | 140,365          | 43,512                 | 2,569   | 186,447        | 3,764,909      | 5,611,487     |
| 2009        | 1,554,631 | 596,338 | 2,150,969 | 958,198                            | 1,048,445 | 1,090,671 | 1,012,322 | 328,686          | 43,099                 | 9,522   | 381,307        | 4,490,943      | 6,641,914     |
| 2010        | 336,408   | 592,910 | 929,319   | 356,471                            | 345,048   | 817,926   | 1,424,161 | 760,963          | 698,171                | 31,756  | 1,490,888      | 4,434,497      | 5,363,815     |
| 2011        | 778,503   | 130,101 | 908,606   | 938,675                            | 16,858    | 160,026   | 588,728   | 135,980          | 480,223                | 47,254  | 663,458        | 2,367,745      | 3,276,348     |
| 2012        | 969,320   | 125,870 | 1,095,190 | 1,111,301                          | 15,110    | 36,033    | 198,015   | 57,890           | 179,953                | 5,303   | 243,146        | 1,603,607      | 2,698,797     |
| 2013        | 4,806,728 | 64,133  | 4,870,860 | 6,511,779                          | 110,030   | 30,560    | 65,009    | 1,941            | 72,021                 | 0       | 73,962         | 6,791,337      | 11,662,200    |
| 2014        | 1,961,756 | 124,532 | 2,086,286 | 2,216,449                          | 421,835   | 141,608   | 22,945    | 0                | 16,088                 | 442     | 16,530         | 2,819,366      | 4,905,652     |
| 2015        | 635,702   | 283,190 | 918,891   | 318,926                            | 538,037   | 234,591   | 70,634    | 0                | 8,909                  | 677     | 9,586          | 1,171,775      | 2,090,666     |
| 2016        | 122,988   | 255,346 | 378,332   | 147,021                            | 25,076    | 305,086   | 214,133   | 10,445           | 5,007                  | 0       | 15,452         | 706,767        | 1,085,103     |
| 2017        | 536,697   | 228,825 | 765,524   | 528,287                            | 86,568    | 108,657   | 111,259   | 12,401           | 1,941                  | 0       | 14,342         | 849,113        | 1,614,637     |
| Kujulik Bay |           |         |           |                                    |           |           |           |                  |                        |         |                |                |               |
| 1989        | 80,263    | 11,838  | 92,101    | 76,292                             | 747       | 8,136     | 10,284    | 807              | 0                      | 0       | 807            | 96,265         | 188,365       |
| 1990        | 315,664   | 77,427  | 393,090   | 317,588                            | 1,567     | 7,586     | 7,047     | 1,519            | 0                      | 0       | 1,519          | 335,304        | 728,394       |
| 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                  | 0       | 1,519          | 135,267        | 262,119       |
| 1993        | 106,845   | 15,935  | 122,780   | 99,092                             | 80,941    | 29,651    | 1,367     | 0                | 0                      | 0       | 0              | 211,050        | 333,830       |
| 1994        | 7,561     | 3,190   | 10,751    | 8,976                              | 7,258     | 4,943     | 6,463     | 0                | 2,279                  | 0       | 2,279          | 29,917         | 40,667        |
| 1995        | 842       | 28,612  | 29,453    | 2,771                              | 0         | 911       | 456       | 0                | 0                      | 0       | 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       |

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Table 7.–Page 13 of 14.

| Year                    | Females   |           |           | Number sublegal males by size (CW) |          |           |         | Recruit<br>males | Postrecruit males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|-------------------------|-----------|-----------|-----------|------------------------------------|----------|-----------|---------|------------------|------------------------|---------|----------------|----------------|---------------|
|                         | Juvenile  | Mature    | Total     | <70 mm                             | 70–91 mm | 92–114 mm | >114 mm |                  | <165 mm                | ≥165 mm |                |                |               |
| 1997                    | 47,555    | 61,288    | 108,844   | 60,483                             | 456      | 3,711     | 14,105  | 0                | 5,425                  | 0       | 5,425          | 84,179         | 193,022       |
| 1998                    | 38,310    | 15,190    | 53,500    | 37,074                             | 0        | 2,279     | 3,798   | 0                | 760                    | 0       | 760            | 43,910         | 97,411        |
| 1999                    | 90,546    | 0         | 90,546    | 85,961                             | 456      | 0         | 0       | 0                | 456                    | 0       | 456            | 86,873         | 177,416       |
| 2000                    | 212,544   | 949       | 213,494   | 253,014                            | 1,298    | 0         | 0       | 0                | 0                      | 0       | 0              | 254,312        | 467,805       |
| 2001                    | 180,902   | 0         | 180,902   | 205,835                            | 760      | 2,515     | 0       | 807              | 0                      | 0       | 807            | 209,915        | 390,819       |
| 2002                    | 15,600    | 844       | 16,444    | 16,059                             | 6,049    | 7,556     | 3,376   | 844              | 0                      | 0       | 844            | 33,881         | 50,325        |
| 2003                    | 370,806   | 0         | 370,806   | 447,147                            | 948      | 0         | 0       | 0                | 0                      | 0       | 0              | 448,095        | 818,901       |
| 2004                    | 294,155   | 0         | 294,155   | 341,301                            | 9,538    | 2,279     | 949     | 0                | 0                      | 0       | 0              | 354,068        | 648,222       |
| 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        | 1,321,275     |
| 2007                    | 132,133   | 0         | 132,133   | 156,794                            | 2,139    | 0         | 0       | 0                | 0                      | 0       | 0              | 158,933        | 291,067       |
| 2008                    | 397,500   | 3,086     | 400,585   | 420,056                            | 9,358    | 8,233     | 26,431  | 9,606            | 0                      | 456     | 10,062         | 474,139        | 874,725       |
| 2009                    | 263,457   | 182,222   | 445,679   | 157,036                            | 190,351  | 225,422   | 87,856  | 9,183            | 0                      | 0       | 9,183          | 669,844        | 1,115,524     |
| 2010                    | 44,191    | 120,885   | 165,076   | 29,488                             | 82,910   | 287,031   | 304,547 | 31,862           | 1,519                  | 0       | 33,381         | 737,357        | 902,434       |
| 2011                    | 89,733    | 12,445    | 102,179   | 86,889                             | 456      | 8,811     | 35,859  | 6,195            | 10,763                 | 0       | 16,957         | 148,970        | 251,147       |
| 2012                    | 164,365   | 32,264    | 196,630   | 195,609                            | 3,038    | 7,374     | 25,146  | 0                | 9,114                  | 0       | 9,114          | 240,279        | 436,909       |
| 2013                    | 550,287   | 15,048    | 565,334   | 720,217                            | 32,736   | 6,916     | 6,646   | 0                | 3,798                  | 0       | 3,798          | 770,312        | 1,335,642     |
| 2014                    | 298,364   | 4,297     | 302,659   | 246,207                            | 15,054   | 4,342     | 2,642   | 0                | 1,519                  | 0       | 1,519          | 269,764        | 572,423       |
| 2015                    | 15,151    | 911       | 16,062    | 11,284                             | 10,528   | 10,960    | 0       | 0                | 0                      | 0       | 0              | 32,773         | 48,834        |
| 2016                    | 0         | 3,646     | 3,646     | 1,790                              | 911      | 1,367     | 456     | 0                | 0                      | 0       | 0              | 4,524          | 8,170         |
| 2017                    | 66,508    | 0         | 66,508    | 92,823                             | 456      | 911       | 1,823   | 0                | 0                      | 0       | 0              | 96,013         | 162,521       |
| CHIGNIK DISTRICT TOTALS |           |           |           |                                    |          |           |         |                  |                        |         |                |                |               |
| 1989                    | 1,254,493 | 1,131,079 | 2,385,571 | 1,240,835                          | 328,264  | 1,198,760 | 943,625 | 288,103          | 38,289                 | 28,659  | 355,054        | 4,066,532      | 6,452,102     |
| 1990                    | 2,844,379 | 545,467   | 3,389,842 | 2,604,506                          | 214,281  | 319,207   | 743,233 | 199,962          | 93,490                 | 5,392   | 298,844        | 4,180,063      | 7,569,908     |
| 1991                    | 1,762,801 | 512,459   | 2,275,260 | 1,692,463                          | 165,014  | 92,510    | 168,639 | 106,319          | 69,684                 | 2,295   | 178,298        | 2,296,924      | 4,572,188     |
| 1992                    | 1,525,013 | 349,655   | 1,874,667 | 1,658,421                          | 121,910  | 76,342    | 51,882  | 15,879           | 18,236                 | 2,295   | 36,410         | 1,944,963      | 3,819,630     |
| 1993                    | 1,072,889 | 248,157   | 1,321,045 | 977,821                            | 635,445  | 373,240   | 203,049 | 34,818           | 70,434                 | 3,939   | 109,191        | 2,298,741      | 3,619,786     |
| 1994                    | 320,411   | 156,307   | 476,717   | 119,040                            | 564,685  | 542,881   | 157,128 | 37,800           | 36,581                 | 949     | 75,331         | 1,459,064      | 1,935,777     |
| 1995                    | 386,507   | 154,181   | 540,687   | 457,788                            | 16,589   | 84,095    | 197,731 | 102,352          | 15,020                 | 1,557   | 118,929        | 875,130        | 1,415,813     |
| 1996                    | 1,291,237 | 136,524   | 1,427,762 | 1,237,735                          | 76,556   | 51,382    | 256,133 | 272,504          | 72,372                 | 0       | 344,875        | 1,966,682      | 3,394,445     |
| 1997                    | 1,612,856 | 489,690   | 2,102,546 | 1,411,225                          | 795,245  | 439,143   | 318,285 | 157,467          | 99,385                 | 11,772  | 268,624        | 3,232,516      | 5,335,062     |
| 1998                    | 675,481   | 842,065   | 1,517,545 | 504,747                            | 301,019  | 403,515   | 297,276 | 64,800           | 112,924                | 1,213   | 178,937        | 1,685,491      | 3,203,037     |
| 1999                    | 907,854   | 204,747   | 1,112,604 | 742,005                            | 368,885  | 397,558   | 507,110 | 168,075          | 166,710                | 2,244   | 337,027        | 2,352,580      | 3,465,181     |

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Table 7.–Page 14 of 14.

| Year | Females    |           |            | Number sublegal males by size (CW) |           |           |           | Recruit<br>males | Postrecruit males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|------|------------|-----------|------------|------------------------------------|-----------|-----------|-----------|------------------|------------------------|---------|----------------|----------------|---------------|
|      | Juvenile   | Mature    | Total      | <70 mm                             | 70–91 mm  | 92–114 mm | >114 mm   |                  | <165 mm                | ≥165 mm |                |                |               |
| 2000 | 4,881,316  | 536,936   | 5,418,252  | 4,810,510                          | 1,730,858 | 866,835   | 610,583   | 292,021          | 193,042                | 52,581  | 537,645        | 8,556,427      | 13,974,676    |
| 2001 | 3,545,380  | 803,951   | 4,349,331  | 2,095,903                          | 3,302,941 | 1,117,368 | 542,188   | 250,762          | 90,396                 | 8,498   | 349,658        | 7,408,056      | 11,757,394    |
| 2002 | 1,371,642  | 1,122,025 | 2,493,665  | 1,090,207                          | 2,662,987 | 2,427,166 | 1,020,074 | 130,730          | 373,659                | 9,741   | 514,132        | 7,714,565      | 10,208,234    |
| 2003 | 744,717    | 937,227   | 1,681,942  | 703,559                            | 692,914   | 1,064,909 | 919,272   | 115,804          | 175,112                | 12,788  | 303,705        | 3,684,354      | 5,366,300     |
| 2004 | 2,148,897  | 1,267,182 | 3,416,077  | 2,131,136                          | 594,811   | 1,536,151 | 1,858,812 | 647,164          | 226,937                | 16,410  | 890,511        | 7,011,421      | 10,427,498    |
| 2005 | 3,619,560  | 1,463,776 | 5,083,333  | 3,836,232                          | 711,934   | 886,179   | 969,500   | 245,505          | 153,784                | 6,630   | 405,918        | 6,809,764      | 11,893,093    |
| 2006 | 13,992,171 | 1,040,181 | 15,032,352 | 16,437,746                         | 2,123,387 | 594,576   | 836,808   | 147,064          | 271,655                | 49,341  | 468,058        | 20,460,578     | 35,492,925    |
| 2007 | 5,432,395  | 1,571,274 | 7,003,668  | 5,265,424                          | 4,002,174 | 1,530,706 | 641,947   | 126,806          | 89,126                 | 7,862   | 223,798        | 11,664,046     | 18,667,716    |
| 2008 | 5,377,839  | 2,027,786 | 7,405,621  | 3,824,459                          | 6,468,428 | 4,884,024 | 1,588,204 | 209,580          | 67,731                 | 10,582  | 287,894        | 17,053,004     | 24,458,629    |
| 2009 | 2,498,426  | 4,112,173 | 6,610,599  | 1,684,708                          | 5,513,017 | 8,250,243 | 4,298,047 | 630,346          | 81,077                 | 12,037  | 723,460        | 20,469,473     | 27,080,073    |
| 2010 | 556,174    | 2,309,929 | 2,866,102  | 509,165                            | 649,802   | 3,751,019 | 6,878,871 | 2,614,930        | 1,010,366              | 51,482  | 3,676,779      | 15,465,628     | 18,331,730    |
| 2011 | 1,231,018  | 889,406   | 2,120,426  | 1,353,706                          | 35,358    | 388,248   | 2,731,055 | 1,506,952        | 1,185,218              | 121,054 | 2,813,222      | 7,321,586      | 9,442,006     |
| 2012 | 1,606,465  | 322,319   | 1,928,786  | 1,822,773                          | 37,096    | 106,804   | 813,197   | 160,083          | 604,714                | 17,578  | 782,374        | 3,562,250      | 5,491,036     |
| 2013 | 11,517,890 | 218,643   | 11,736,532 | 14,400,186                         | 267,929   | 87,570    | 833,348   | 10,772           | 695,118                | 32,763  | 738,653        | 16,327,686     | 28,064,215    |
| 2014 | 3,483,926  | 285,921   | 3,769,842  | 3,397,668                          | 948,579   | 590,051   | 948,144   | 2,684            | 833,510                | 19,458  | 855,654        | 6,740,093      | 10,509,934    |
| 2015 | 1,920,636  | 1,837,157 | 3,757,790  | 1,136,094                          | 1,306,402 | 945,388   | 765,823   | 38,925           | 271,552                | 8,333   | 318,811        | 4,472,516      | 8,230,304     |
| 2016 | 175,660    | 336,690   | 512,350    | 170,345                            | 58,270    | 669,985   | 554,367   | 47,521           | 7,430                  | 1,557   | 56,509         | 1,509,476      | 2,021,828     |
| 2017 | 3,704,912  | 664,013   | 4,368,928  | 3,901,656                          | 233,872   | 206,477   | 245,964   | 64,141           | 9,396                  | 0       | 73,537         | 4,661,507      | 9,030,433     |

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

<sup>b</sup> 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 8.—Dominant species by weight in the South Peninsula and Chignik Tanner crab districts large-mesh bottom trawl survey, 2017.

| Common name         | Species name                             | % of catch<br>by weight |
|---------------------|------------------------------------------|-------------------------|
| Flathead sole       | <i>Hippoglossoides elassodon</i>         | 30.9                    |
| Arrowtooth flounder | <i>Atheresthes stomias</i>               | 17.0                    |
| Yellowfin sole      | <i>Limanda aspera</i>                    | 13.3                    |
| Walleye pollock     | <i>Gadus chalcogrammus</i>               | 6.8                     |
| Pacific halibut     | <i>Hippoglossus stenolepis</i>           | 3.8                     |
| Sunflower seastar   | <i>Pycnopodia helianthoides</i>          | 3.2                     |
| Anemone             | Order: Actinaria                         | 3.1                     |
| Starry flounder     | <i>Platichthys stellatus</i>             | 2.9                     |
| Pacific cod         | <i>Gadus macrocephalus</i>               | 2.7                     |
| Alaska plaice       | <i>Pleuronectes quadrituberculatus</i>   | 2.5                     |
| Big skate           | <i>Raja binoculata</i>                   | 1.9                     |
| Northern rock sole  | <i>Lepidopsetta polyxystra</i>           | 1.4                     |
| Tanner crab         | <i>Chionoecetes bairdi</i>               | 1.1                     |
| Oregon triton       | <i>Fusitriton oregonensis</i>            | 1.0                     |
| Mussel              | Family: Mytilidae                        | 0.9                     |
| Dungeness crab      | <i>Metacarcinus magister</i>             | 0.8                     |
| Yellow Irish lord   | <i>Hemilepidotus jordani</i>             | 0.8                     |
| Great sculpin       | <i>Myoxocephalus polyacanthocephalus</i> | 0.7                     |
| Hermit crab         | Family: Paguridae                        | 0.6                     |
| Red king crab       | <i>Paralithodes camtschaticus</i>        | 0.6                     |
| All others          | (107 species)                            | 3.9                     |
|                     |                                          | 100.0                   |

Table 9.—Tanner crab abundance estimates from large-mesh bottom trawl surveys in the Eastern Aleutian District, 1990–2017.

|                              | Females   |           |           | Number sublegal males by size (CW) |          |           |           | Recruit<br>males | Postrecruit Males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|------------------------------|-----------|-----------|-----------|------------------------------------|----------|-----------|-----------|------------------|------------------------|---------|----------------|----------------|---------------|
| Year                         | Juvenile  | Mature    | Total     | <70 mm                             | 70-91 mm | 92-114 mm | >114 mm   |                  | <165 mm                | ≥165 mm |                |                |               |
| AKUTAN BAY SECTION           |           |           |           |                                    |          |           |           |                  |                        |         |                |                |               |
| 1990                         | 460,092   | 771,965   | 1,232,057 | 614,180                            | 912,058  | 447,122   | 146,025   | 15,190           | 0                      | 0       | 15,190         | 2,134,574      | 3,366,629     |
| 1991                         | 745,088   | 578,259   | 1,323,344 | 812,184                            | 351,737  | 523,188   | 371,614   | 13,291           | 13,291                 | 0       | 26,583         | 2,085,307      | 3,408,651     |
| 1994                         | 949       | 2,893     | 3,843     | 2,893                              | 7,641    | 15,418    | 33,911    | 2,848            | 949                    | 0       | 3,798          | 63,662         | 67,505        |
| 1995                         | 19,077    | 5,696     | 24,774    | 12,477                             | 8,206    | 31,785    | 98,796    | 949              | 8,727                  | 0       | 9,676          | 160,938        | 185,712       |
| 1999                         | 121,515   | 677,297   | 798,812   | 19,867                             | 143,040  | 701,089   | 1,030,550 | 210,330          | 4,363                  | 0       | 214,692        | 2,109,239      | 2,908,051     |
| 2000                         | 9,075     | 243,581   | 252,656   | 8,028                              | 12,224   | 166,337   | 323,573   | 86,368           | 17,064                 | 0       | 103,431        | 613,593        | 866,248       |
| 2003                         | 56,558    | 675,379   | 731,937   | 37,957                             | 139,174  | 413,879   | 121,041   | 21,013           | 71,664                 | 4,151   | 96,828         | 808,878        | 1,540,816     |
| 2004                         | 132,417   | 988,764   | 1,121,181 | 73,039                             | 227,615  | 290,497   | 223,425   | 10,328           | 23,213                 | 1,990   | 35,530         | 850,108        | 1,971,288     |
| 2005                         | 127,291   | 501,657   | 628,948   | 84,899                             | 196,246  | 188,560   | 270,776   | 50,446           | 9,752                  | 1,187   | 61,384         | 801,864        | 1,430,812     |
| 2006                         | 60,197    | 202,302   | 262,498   | 55,313                             | 104,266  | 256,803   | 338,154   | 7,754            | 89,730                 | 0       | 97,484         | 852,019        | 1,114,519     |
| 2007                         | 131,796   | 353,409   | 485,203   | 108,103                            | 216,470  | 332,576   | 316,383   | 9,721            | 4,975                  | 0       | 14,696         | 988,226        | 1,473,430     |
| 2008                         | 13,220    | 149,953   | 163,173   | 5,875                              | 32,024   | 121,009   | 217,775   | 33,493           | 42,206                 | 0       | 75,699         | 452,382        | 615,555       |
| 2009                         | 39,211    | 915,000   | 954,210   | 13,675                             | 32,400   | 137,412   | 372,548   | 62,948           | 62,610                 | 1,957   | 127,514        | 683,550        | 1,637,760     |
| 2010                         | 168,557   | 228,100   | 396,657   | 84,701                             | 77,073   | 128,810   | 309,505   | 30,008           | 65,134                 | 0       | 95,142         | 695,234        | 1,091,891     |
| 2011                         | 19,187    | 288,006   | 307,193   | 20,498                             | 16,328   | 65,460    | 188,518   | 3,798            | 15,072                 | 0       | 18,870         | 309,673        | 616,866       |
| 2012                         | 27,138    | 379,431   | 406,568   | 34,685                             | 36,764   | 119,177   | 123,230   | 14,286           | 7,960                  | 0       | 22,246         | 336,104        | 742,672       |
| 2013                         | 409,654   | 69,112    | 478,767   | 381,318                            | 100,839  | 125,669   | 68,880    | 3,705            | 12,644                 | 0       | 16,350         | 693,054        | 1,171,822     |
| 2014                         | 340,816   | 1,644,330 | 1,985,146 | 255,599                            | 171,315  | 274,810   | 408,723   | 16,674           | 41,685                 | 0       | 58,359         | 1,168,806      | 3,153,952     |
| 2015                         | 187,696   | 193,663   | 381,360   | 209,008                            | 62,030   | 13,202    | 13,017    | 0                | 0                      | 0       | 0              | 297,258        | 678,616       |
| 2016                         | 56,251    | 414,309   | 470,559   | 28,842                             | 180,149  | 294,404   | 73,860    | 0                | 995                    | 0       | 995            | 578,250        | 1,048,807     |
| 2017                         | 179,563   | 3,888,787 | 4,068,350 | 127,266                            | 187,266  | 285,861   | 98,239    | 0                | 8,723                  | 0       | 8,723          | 707,353        | 4,775,704     |
| UNALASKA/KALEKTA BAY SECTION |           |           |           |                                    |          |           |           |                  |                        |         |                |                |               |
| 1990                         | 1,120,173 | 359,538   | 1,479,709 | 664,933                            | 59,141   | 78,357    | 42,847    | 11,544           | 793                    | 2,002   | 14,339         | 859,617        | 2,339,327     |
| 1991                         | 981,240   | 137,467   | 1,118,707 | 920,709                            | 167,932  | 41,207    | 25,026    | 8,906            | 0                      | 1,001   | 9,907          | 1,164,780      | 2,283,487     |
| 1994                         | 17,484    | 1,465     | 18,950    | 17,485                             | 949      | 0         | 1,982     | 949              | 1,549                  | 0       | 2,498          | 22,914         | 41,867        |
| 1995                         | 23,706    | 7,595     | 31,300    | 17,863                             | 3,387    | 10,847    | 1,899     | 1,309            | 0                      | 0       | 1,309          | 35,306         | 66,607        |
| 1999                         | 230,687   | 194,469   | 425,157   | 141,403                            | 95,640   | 253,997   | 313,785   | 123,839          | 43,171                 | 1,356   | 168,366        | 973,189        | 1,398,346     |
| 2000                         | 248,548   | 952,496   | 1,201,044 | 31,132                             | 195,166  | 243,495   | 148,668   | 35,059           | 12,573                 | 738     | 48,370         | 666,834        | 1,867,878     |
| 2003                         | 72,717    | 7,654     | 80,371    | 82,917                             | 6,985    | 55,771    | 390,915   | 99,369           | 175,774                | 6,561   | 281,704        | 818,293        | 898,664       |
| 2004                         | 347,648   | 136,331   | 483,979   | 338,119                            | 127,521  | 52,962    | 26,311    | 68,737           | 5,855                  | 8,008   | 82,600         | 627,510        | 1,111,488     |
| 2005                         | 854,570   | 212,211   | 1,066,782 | 652,400                            | 241,781  | 90,170    | 47,959    | 20,182           | 6,616                  | 2,730   | 29,529         | 1,061,843      | 2,128,625     |
| 2006                         | 152,412   | 372,418   | 524,829   | 133,520                            | 262,003  | 138,544   | 185,052   | 42,346           | 460,626                | 35,311  | 538,282        | 1,257,405      | 1,782,234     |

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Table 9.–Page 2 of 5.

| Year                      | Females   |           |           | Number sublegal males by size (CW) |          |           |         | Recruit<br>males | Postrecruit Males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|---------------------------|-----------|-----------|-----------|------------------------------------|----------|-----------|---------|------------------|------------------------|---------|----------------|----------------|---------------|
|                           | Juvenile  | Mature    | Total     | <70 mm                             | 70-91 mm | 92-114 mm | >114 mm |                  | <165 mm                | ≥165 mm |                |                |               |
| 2007                      | 436,607   | 1,997,302 | 2,433,907 | 255,144                            | 109,448  | 308,033   | 304,795 | 104,411          | 211,536                | 17,922  | 333,869        | 1,311,287      | 3,745,195     |
| 2008                      | 324,108   | 1,990,322 | 2,314,430 | 210,497                            | 217,649  | 246,376   | 554,496 | 98,765           | 64,243                 | 1,254   | 164,262        | 1,393,282      | 3,707,714     |
| 2009                      | 176,340   | 1,306,064 | 1,482,403 | 80,051                             | 54,218   | 122,947   | 284,196 | 108,250          | 105,576                | 2,988   | 216,814        | 758,229        | 2,240,631     |
| 2010                      | 200,948   | 386,350   | 587,298   | 131,427                            | 27,375   | 30,870    | 7,382   | 1,973            | 1,187                  | 0       | 3,160          | 200,215        | 787,512       |
| 2011                      | 25,900    | 253,899   | 279,797   | 29,250                             | 24,995   | 64,648    | 40,142  | 2,167            | 6,223                  | 1,112   | 9,502          | 168,538        | 448,334       |
| 2012                      | 170,447   | 503,998   | 674,443   | 123,914                            | 64,170   | 169,249   | 380,611 | 20,623           | 215,056                | 9,546   | 245,225        | 983,166        | 1,657,610     |
| 2013                      | 1,295,974 | 690,495   | 1,986,468 | 660,240                            | 225,539  | 149,244   | 128,209 | 6,738            | 20,450                 | 0       | 27,188         | 1,190,420      | 3,176,887     |
| 2014                      | 290,482   | 157,233   | 447,717   | 313,882                            | 771,861  | 718,719   | 186,156 | 8,170            | 1,786                  | 0       | 9,955          | 2,000,573      | 2,448,288     |
| 2015                      | 408,740   | 94,026    | 502,766   | 308,172                            | 117,455  | 140,342   | 156,817 | 18,733           | 0                      | 0       | 18,733         | 741,522        | 1,244,287     |
| 2016                      | 33,078    | 8,843     | 41,922    | 23,949                             | 9,495    | 51,148    | 13,270  | 1,595            | 0                      | 0       | 1,595          | 99,458         | 141,378       |
| 2017                      | 314,108   | 56,016    | 370,124   | 215,568                            | 5,086    | 16,914    | 52,304  | 12,012           | 1,001                  | 0       | 13,013         | 302,887        | 673,011       |
| MAKUSHIN/SKAN BAY SECTION |           |           |           |                                    |          |           |         |                  |                        |         |                |                |               |
| 1990                      | 436,275   | 312,831   | 749,107   | 364,641                            | 81,416   | 75,879    | 124,445 | 6,890            | 22,707                 | 0       | 29,597         | 675,979        | 1,425,087     |
| 1991                      | 88,736    | 148,942   | 237,678   | 75,775                             | 84,849   | 51,819    | 70,174  | 5,911            | 29,119                 | 2,576   | 37,607         | 320,225        | 557,904       |
| 1994                      | 147,313   | 155,633   | 302,945   | 126,475                            | 19,046   | 94,473    | 105,286 | 34,931           | 1,581                  | 0       | 36,512         | 381,793        | 684,740       |
| 1995                      | 124,369   | 84,783    | 209,153   | 91,971                             | 24,957   | 37,454    | 49,905  | 2,748            | 8,366                  | 0       | 11,114         | 215,403        | 424,557       |
| 1999                      | 533,823   | 78,127    | 611,953   | 482,041                            | 37,346   | 49,059    | 39,597  | 4,719            | 9,194                  | 0       | 13,914         | 621,957        | 1,233,910     |
| 2000                      | 550,513   | 151,362   | 701,878   | 437,255                            | 120,829  | 42,435    | 17,909  | 2,334            | 0                      | 0       | 2,334          | 620,762        | 1,322,639     |
| 2003                      | 65,930    | 1,142,007 | 1,207,935 | 47,632                             | 80,167   | 265,981   | 477,210 | 190,192          | 74,237                 | 1,159   | 265,590        | 1,136,578      | 2,344,513     |
| 2004                      | 156,453   | 683,603   | 840,058   | 160,706                            | 51,556   | 218,704   | 365,270 | 357,930          | 50,813                 | 7,787   | 416,529        | 1,212,765      | 2,052,824     |
| 2005                      | 315,191   | 227,137   | 542,327   | 340,307                            | 23,280   | 34,802    | 306,036 | 158,760          | 208,820                | 6,667   | 374,247        | 1,078,670      | 1,620,999     |
| 2006                      | 607,078   | 137,178   | 744,256   | 557,140                            | 37,877   | 33,140    | 100,740 | 22,650           | 115,266                | 6,759   | 144,675        | 873,574        | 1,617,831     |
| 2007                      | 3,301,201 | 994,288   | 4,295,493 | 1,667,147                          | 762,538  | 427,116   | 137,992 | 9,453            | 163,912                | 1,734   | 175,099        | 3,169,894      | 7,465,386     |
| 2008                      | 399,175   | 1,384,630 | 1,783,806 | 284,038                            | 312,862  | 322,728   | 165,870 | 3,359            | 155,220                | 4,591   | 163,169        | 1,248,668      | 3,032,473     |
| 2009                      | 266,405   | 1,754,159 | 2,020,562 | 216,307                            | 166,619  | 477,432   | 208,790 | 7,698            | 33,556                 | 0       | 41,255         | 1,110,405      | 3,130,968     |
| 2010                      | 158,522   | 165,485   | 324,008   | 114,236                            | 21,102   | 83,603    | 208,500 | 49,236           | 16,968                 | 0       | 66,207         | 493,648        | 817,656       |
| 2011                      | 192,552   | 251,856   | 444,409   | 129,393                            | 28,940   | 65,061    | 220,388 | 25,163           | 58,782                 | 0       | 83,945         | 527,729        | 972,136       |
| 2012                      | 177,070   | 293,261   | 470,330   | 119,538                            | 96,849   | 57,403    | 100,816 | 7,599            | 20,165                 | 2,316   | 30,080         | 404,690        | 875,020       |
| 2013                      | 436,106   | 779,459   | 1,215,565 | 313,584                            | 44,298   | 125,020   | 129,427 | 10,117           | 37,061                 | 2,925   | 50,103         | 662,434        | 1,877,998     |
| 2014                      | 287,464   | 690,641   | 978,102   | 146,459                            | 162,857  | 167,488   | 185,768 | 11,774           | 72,882                 | 2,000   | 86,656         | 749,232        | 1,727,334     |
| 2015                      | 314,241   | 454,918   | 769,160   | 291,192                            | 72,972   | 145,617   | 143,173 | 38,162           | 21,779                 | 0       | 59,941         | 712,900        | 1,482,059     |
| 2016                      | 171,647   | 1,002,700 | 1,174,348 | 89,723                             | 49,441   | 60,260    | 112,474 | 4,676            | 32,768                 | 819     | 38,262         | 350,163        | 1,524,511     |
| 2017                      | 1,791,483 | 660,675   | 2,452,158 | 1,481,760                          | 210,669  | 200,709   | 185,735 | 1,376            | 105,755                | 0       | 107,131        | 2,186,005      | 4,638,162     |

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Table 9.–Page 3 of 5.

|                 | Females  |         |           | Number sublegal males by size (CW) |          |           |         | Recruit<br>males | Postrecruit Males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|-----------------|----------|---------|-----------|------------------------------------|----------|-----------|---------|------------------|------------------------|---------|----------------|----------------|---------------|
| Year            | Juvenile | Mature  | Total     | <70 mm                             | 70-91 mm | 92-114 mm | >114 mm |                  | <165 mm                | ≥165 mm |                |                |               |
| Beaver Inlet    |          |         |           |                                    |          |           |         |                  |                        |         |                |                |               |
| 1990            | 943,425  | 190,116 | 1,133,540 | 931,192                            | 229,362  | 97,860    | 27,006  | 3,088            | 767                    | 0       | 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                      | 0       | 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                    | 0       | 17,781         | 147,078        | 237,528       |
| 1995            | 702,632  | 28,569  | 731,200   | 555,875                            | 15,770   | 6,518     | 8,459   | 3,681            | 0                      | 0       | 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                  | 0       | 1,534          | 162,014        | 336,256       |
| 2000            | 249,885  | 19,436  | 269,322   | 215,525                            | 19,500   | 11,892    | 2,577   | 0                | 0                      | 0       | 0              | 249,491        | 518,813       |
| 2003            | 70,873   | 94,779  | 165,650   | 135,143                            | 109,191  | 51,213    | 5,409   | 0                | 0                      | 0       | 0              | 300,956        | 466,607       |
| 2006            | 369,585  | 62,136  | 431,720   | 323,375                            | 19,289   | 31,636    | 13,844  | 829              | 0                      | 0       | 829            | 388,974        | 820,694       |
| 2009            | 228,442  | 69,778  | 298,220   | 207,989                            | 35,479   | 87,445    | 14,992  | 1,003            | 0                      | 0       | 1,003          | 346,907        | 645,128       |
| 2012            | 334,008  | 11,153  | 345,161   | 304,359                            | 2,508    | 6,042     | 8,550   | 0                | 1,161                  | 0       | 1,161          | 322,619        | 667,781       |
| 2015            | 30,257   | 65,922  | 96,178    | 27,473                             | 17,206   | 32,770    | 7,702   | 0                | 0                      | 0       | 0              | 85,151         | 181,330       |
| Usof Bay        |          |         |           |                                    |          |           |         |                  |                        |         |                |                |               |
| 1990            | 97,777   | 24,414  | 122,190   | 97,607                             | 96,108   | 28,041    | 1,957   | 541              | 0                      | 0       | 541            | 224,252        | 346,442       |
| 1991            | 84,679   | 69,979  | 154,658   | 219,357                            | 245,549  | 63,800    | 26,863  | 4,396            | 2,625                  | 0       | 7,021          | 562,591        | 717,249       |
| 1994            | 15,007   | 3,500   | 18,507    | 13,151                             | 8,412    | 5,957     | 7,601   | 875              | 0                      | 0       | 875            | 35,995         | 54,501        |
| 1995            | 32,329   | 3,301   | 35,630    | 40,438                             | 9,693    | 6,681     | 4,375   | 0                | 2,625                  | 0       | 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                    | 0       | 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                    | 0       | 228            | 25,732         | 49,580        |
| 1994            | 6,350    | 896     | 7,246     | 5,635                              | 5,225    | 5,149     | 668     | 0                | 0                      | 0       | 0              | 16,678         | 23,924        |
| 1995            | 10,055   | 3,493   | 13,550    | 9,289                              | 3,903    | 3,698     | 1,337   | 0                | 0                      | 0       | 0              | 18,228         | 31,777        |
| 1999            | 12,836   | 0       | 12,836    | 8,408                              | 1,153    | 0         | 1,485   | 743              | 743                    | 0       | 1,485          | 12,531         | 25,367        |

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Table 9.–Page 4 of 5.

| Year                             | Females   |           |           | Number sublegal males by size (CW) |           |           |           | Recruit<br>males | Postrecruit Males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|----------------------------------|-----------|-----------|-----------|------------------------------------|-----------|-----------|-----------|------------------|------------------------|---------|----------------|----------------|---------------|
|                                  | Juvenile  | Mature    | Total     | <70 mm                             | 70-91 mm  | 92-114 mm | >114 mm   |                  | <165 mm                | ≥165 mm |                |                |               |
| 2000                             | 3,253     | 1,485     | 4,738     | 342                                | 743       | 0         | 2,970     | 743              | 0                      | 0       | 743            | 4,798          | 9,536         |
| 2003                             | 225,266   | 20,529    | 245,795   | 276,451                            | 76,811    | 25,134    | 2,673     | 668              | 0                      | 0       | 668            | 381,738        | 627,533       |
| 2004                             | 49,246    | 873       | 50,120    | 31,511                             | 1,747     | 2,673     | 668       | 0                | 0                      | 0       | 0              | 36,601         | 86,719        |
| 2005                             | 45,475    | 19,382    | 64,857    | 41,520                             | 19,382    | 48,790    | 7,352     | 1,337            | 668                    | 0       | 2,005          | 119,050        | 183,907       |
| 2006                             | 35,646    | 10,532    | 46,178    | 51,545                             | 17,266    | 17,393    | 6,912     | 0                | 456                    | 0       | 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                      | 0       | 0              | 229,263        | 276,565       |
| 2009                             | 10,273    | 1,181     | 11,453    | 9,137                              | 5,026     | 9,347     | 1,437     | 0                | 0                      | 0       | 0              | 24,948         | 36,401        |
| 2010                             | 17,943    | 4,614     | 22,557    | 20,896                             | 11,032    | 11,431    | 5,526     | 0                | 0                      | 0       | 0              | 48,883         | 71,441        |
| 2011                             | 251,840   | 513       | 252,353   | 231,496                            | 2,563     | 0         | 0         | 1,376            | 0                      | 0       | 1,376          | 235,436        | 487,789       |
| 2012                             | 97,844    | 9,741     | 107,585   | 87,508                             | 13,586    | 3,076     | 769       | 256              | 0                      | 0       | 256            | 105,194        | 212,779       |
| 2013                             | 59,780    | 15,525    | 75,305    | 33,502                             | 14,468    | 8,780     | 2,021     | 1,352            | 0                      | 0       | 1,352          | 60,122         | 135,427       |
| 2014                             | 17,919    | 655       | 18,575    | 13,589                             | 2,877     | 655       | 655       | 0                | 0                      | 0       | 0              | 17,777         | 36,352        |
| Cape Idak                        |           |           |           |                                    |           |           |           |                  |                        |         |                |                |               |
| 1990                             | 3,255     | 3,662     | 6,917     | 0                                  | 2,713     | 0         | 2,713     | 0                | 3,255                  | 0       | 3,255          | 8,680          | 15,597        |
| 1991                             | 119,622   | 2,848     | 122,470   | 122,470                            | 3,797     | 949       | 1,898     | 0                | 0                      | 0       | 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                      | 0       | 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                      | 0       | 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                             | 3,115,823 | 1,663,589 | 4,779,410 | 2,720,667                          | 1,381,466 | 730,195   | 345,942   | 37,253           | 27,522                 | 2,002   | 66,777         | 5,245,043      | 10,024,452    |
| 1991                             | 2,511,579 | 1,073,462 | 3,585,036 | 2,616,033                          | 1,037,368 | 754,327   | 517,388   | 34,618           | 45,263                 | 3,577   | 83,460         | 5,008,580      | 8,593,619     |
| 1994                             | 228,951   | 216,840   | 445,793   | 203,926                            | 53,666    | 162,012   | 197,047   | 56,617           | 4,846                  | 0       | 61,464         | 678,117        | 1,123,915     |
| 1995                             | 912,168   | 133,437   | 1,045,607 | 727,913                            | 67,814    | 96,983    | 164,771   | 8,687            | 19,718                 | 0       | 28,405         | 1,085,888      | 2,131,497     |
| 1999                             | 1,140,265 | 979,187   | 2,119,459 | 869,315                            | 305,027   | 1,018,552 | 1,386,951 | 339,631          | 59,005                 | 1,356   | 399,991        | 3,979,835      | 6,099,295     |
| 2000                             | 1,127,622 | 1,387,063 | 2,514,688 | 763,829                            | 376,054   | 478,117   | 496,646   | 124,504          | 29,637                 | 738     | 154,878        | 2,269,523      | 4,784,208     |
| 2003                             | 520,939   | 2,017,933 | 2,538,868 | 614,893                            | 508,605   | 980,401   | 1,026,706 | 311,242          | 322,548                | 11,871  | 645,663        | 3,776,268      | 6,315,137     |
| 2004                             | 685,764   | 1,809,571 | 2,495,338 | 603,375                            | 408,439   | 564,836   | 615,674   | 436,995          | 79,881                 | 17,785  | 534,659        | 2,726,984      | 5,222,319     |

-continued-

Table 9.–Page 5 of 5.

|                                              | Females   |           |           | Number sublegal males by size (CW) |           |           |         | Recruit<br>males | Postrecruit Males (CW) |         | Legal<br>males | Total<br>males | Total<br>crab |
|----------------------------------------------|-----------|-----------|-----------|------------------------------------|-----------|-----------|---------|------------------|------------------------|---------|----------------|----------------|---------------|
| Year                                         | Juvenile  | Mature    | Total     | <70 mm                             | 70-91 mm  | 92-114 mm | >114 mm |                  | <165 mm                | ≥165 mm |                |                |               |
| EASTERN ALEUTIAN DISTRICT TOTALS (continued) |           |           |           |                                    |           |           |         |                  |                        |         |                |                |               |
| 2005                                         | 1,342,527 | 960,387   | 2,302,914 | 1,119,126                          | 480,689   | 362,322   | 632,123 | 230,725          | 225,856                | 10,584  | 467,165        | 3,061,427      | 5,364,343     |
| 2006                                         | 1,224,918 | 784,566   | 2,009,481 | 1,120,893                          | 440,701   | 477,516   | 644,702 | 73,579           | 666,078                | 42,070  | 781,726        | 3,465,543      | 5,475,026     |
| 2007                                         | 4,100,429 | 3,347,569 | 7,447,997 | 2,254,713                          | 1,118,443 | 1,070,295 | 759,170 | 123,585          | 380,423                | 19,656  | 523,664        | 5,726,283      | 13,174,281    |
| 2008                                         | 779,338   | 3,529,371 | 4,308,710 | 567,493                            | 690,585   | 722,308   | 940,077 | 135,617          | 261,669                | 5,845   | 403,130        | 3,323,595      | 7,632,307     |
| 2009                                         | 720,671   | 4,046,182 | 4,766,848 | 527,159                            | 293,742   | 834,583   | 881,963 | 179,899          | 201,742                | 4,945   | 386,586        | 2,924,039      | 7,690,888     |
| 2010                                         | 545,970   | 784,549   | 1,330,520 | 351,260                            | 136,582   | 254,714   | 530,913 | 81,217           | 83,289                 | 0       | 164,509        | 1,437,980      | 2,768,500     |
| 2011                                         | 489,479   | 794,274   | 1,283,752 | 410,637                            | 72,826    | 195,169   | 449,048 | 32,504           | 80,077                 | 1,112   | 113,693        | 1,241,376      | 2,525,125     |
| 2012                                         | 806,507   | 1,197,584 | 2,004,087 | 670,004                            | 213,877   | 354,947   | 613,976 | 42,764           | 244,342                | 11,862  | 298,968        | 2,151,773      | 4,155,862     |
| 2013                                         | 2,201,514 | 1,554,591 | 3,756,105 | 1,388,644                          | 385,144   | 408,713   | 328,537 | 21,912           | 70,155                 | 2,925   | 94,993         | 2,606,030      | 6,362,134     |
| 2014                                         | 936,681   | 2,492,859 | 3,429,540 | 729,529                            | 1,108,910 | 1,161,672 | 781,302 | 36,618           | 116,353                | 2,000   | 154,970        | 3,936,388      | 7,365,926     |
| 2015                                         | 940,934   | 808,529   | 1,749,464 | 835,845                            | 269,663   | 331,931   | 320,709 | 56,895           | 21,779                 | 0       | 78,674         | 1,836,831      | 3,586,292     |
| 2016                                         | 260,976   | 1,425,852 | 1,686,829 | 142,514                            | 239,085   | 405,812   | 199,604 | 6,271            | 33,763                 | 819     | 40,852         | 1,027,871      | 2,714,696     |
| 2017                                         | 2,285,154 | 4,605,478 | 6,890,632 | 1,824,594                          | 403,021   | 503,484   | 336,278 | 13,388           | 115,479                | 0       | 128,867        | 3,196,245      | 10,086,877    |

Note: Beaver Inlet, Usof Bay, Akun Bay, Pumicestone Bay, Cape Idak, and Inanudak Bay are part of the General Section of the Eastern Aleutian Tanner crab District. There are no mature male abundance threshold levels or minimum fishery GHs established for the General Section.

Table 10.—Dominant species by weight in the Eastern Aleutian Tanner crab District large-mesh bottom trawl survey, 2017.

| Common name         | Species name                     | % of catch<br>by weight |
|---------------------|----------------------------------|-------------------------|
| Arrowtooth flounder | <i>Atheresthes stomias</i>       | 35.5                    |
| Walleye pollock     | <i>Gadus chalcogrammus</i>       | 22.7                    |
| Flathead sole       | <i>Hippoglossoides elassodon</i> | 11.8                    |
| Tanner crab         | <i>Chionoecetes bairdi</i>       | 7.8                     |
| Pacific cod         | <i>Gadus macrocephalus</i>       | 4.6                     |
| Pacific halibut     | <i>Hippoglossus stenolepis</i>   | 3.2                     |
| Rex sole            | <i>Glyptocephalus zachirus</i>   | 2.4                     |
| Pacific ocean perch | <i>Sebastes alutus</i>           | 1.3                     |
| Sunflower seastar   | <i>Pycnopodia helianthoides</i>  | 1.0                     |
| Yellow Irish lord   | <i>Hemilepidotus jordani</i>     | 1.0                     |
| Sea Urchin          | <i>Strongylocentrotus</i> spp.   | 0.9                     |
| Anemone             | Order: Actinaria                 | 0.8                     |
| Southern rock sole  | <i>Lepidopsetta bilineata</i>    | 0.8                     |
| Northern rock sole  | <i>Lepidopsetta polyxystra</i>   | 0.7                     |
| Rougheye rockfish   | <i>Sebastes aleutianus</i>       | 0.6                     |
| Basket star         | <i>Gorgonocephalus</i> sp.       | 0.5                     |
| Bering skate        | <i>Bathyraja interrupta</i>      | 0.5                     |
| Oregon triton       | <i>Fusitriton oregonensis</i>    | 0.4                     |
| Sponge              | Phylum: Porifera                 | 0.3                     |
| Hermit crab         | Family: Paguridae                | 0.3                     |
| All others          | (87 species)                     | 3.1                     |
|                     |                                  | 100.0                   |

Table 11.—Near-bottom water temperature (°C) for warmest and coldest bays during the 2017 large-mesh bottom trawl survey and the average water temperature in those bays from 2008–2017 surveys.

| District         | Location                  | Year |      |      |      |      |      |       |       |       |      |
|------------------|---------------------------|------|------|------|------|------|------|-------|-------|-------|------|
|                  |                           | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014  | 2015  | 2016  | 2017 |
| KODIAK           |                           |      |      |      |      |      |      |       |       |       |      |
|                  | Kukak Bay <sup>a</sup>    | 8.14 | 8.61 | 8.28 | 8.19 | 7.65 | 8.08 | 9.40  | 9.23  | 9.87  | 8.89 |
|                  | Deadman Bay <sup>b</sup>  | 1.59 | 1.72 | 2.49 | 2.71 | 0.43 | 2.62 | 3.37  | 4.35  | 4.96  | 2.16 |
| District Average |                           | 5.48 | 5.35 | 6.17 | 5.81 | 5.30 | 5.49 | 6.44  | 6.59  | 7.46  | 6.27 |
| CHIGNIK          |                           |      |      |      |      |      |      |       |       |       |      |
|                  | Kujulik Bay <sup>c</sup>  | 5.56 | 6.63 | 7.26 | 5.90 | 6.92 | 6.13 | 7.63  | 7.94  | 8.30  | 7.37 |
|                  | Kuiukta Bay <sup>d</sup>  | 5.23 | 5.66 | 5.11 | 4.37 | 3.86 | 4.76 | 5.26  | 5.74  | 6.40  | 4.12 |
| District Average |                           | 5.67 | 5.41 | 6.58 | 5.26 | 6.11 | 5.18 | 7.08  | 6.94  | 7.18  | 6.07 |
| SOUTH PENINSULA  |                           |      |      |      |      |      |      |       |       |       |      |
|                  | Cold Bay <sup>a</sup>     | 7.98 | 9.01 | 8.45 | 7.99 | 8.12 | 9.35 | 10.57 | 10.61 | 10.38 | 8.83 |
|                  | Sanak Island <sup>e</sup> | 4.59 | 4.06 | 5.14 | 4.97 | 3.98 | 4.97 | 4.91  | 5.94  | 6.47  | 4.28 |
| District Average |                           | 5.21 | 5.52 | 6.12 | 5.42 | 5.38 | 5.82 | 6.66  | 7.17  | 7.13  | 5.8  |
| EASTERN ALEUTIAN |                           |      |      |      |      |      |      |       |       |       |      |
|                  | Kalekta Bay <sup>f</sup>  | 5.96 | 5.47 | 6.42 | 6.42 | 5.90 | 8.35 | 7.92  | 7.32  | 8.50  | 7.37 |
|                  | Makushin Bay <sup>b</sup> | 4.35 | 4.31 | 4.57 | 4.71 | 4.13 | 4.72 | 4.92  | 5.44  | 5.75  | 5.04 |
| District Average |                           | 4.90 | 5.06 | 5.34 | 5.17 | 5.06 | 5.83 | 6.03  | 6.57  | 6.64  | 5.84 |
| Survey Average   |                           | 5.40 | 5.38 | 6.16 | 5.61 | 5.40 | 5.56 | 6.55  | 6.78  | 7.30  | 6.1  |

*Note:* Temperatures presented are the average temperature of all hauls within the area of interest (bay, district, or entire survey).

<sup>a</sup> Kukak Bay and Cold Bay had the warmest average haul temperatures in their respective districts, 2008–2017.

<sup>b</sup> Deadman Bay and Makushin Bay had the coolest average haul temperatures in their respective districts, 2008–2017.

<sup>c</sup> Kujulik Bay had the warmest average haul temperatures in the Chignik District only in 2011, 2013, 2016, and 2017.

<sup>d</sup> Kuiukta Bay had the coolest average haul temperatures in the Chignik District except in 2009 and 2013.

<sup>e</sup> Sanak Island had the coolest average haul temperatures in the South Peninsula District except in 2008, 2009, 2011, 2013, and 2016.

<sup>f</sup> Kalekta Bay had the warmest average haul temperatures in the Eastern Aleutian District except in 2009 and 2015.

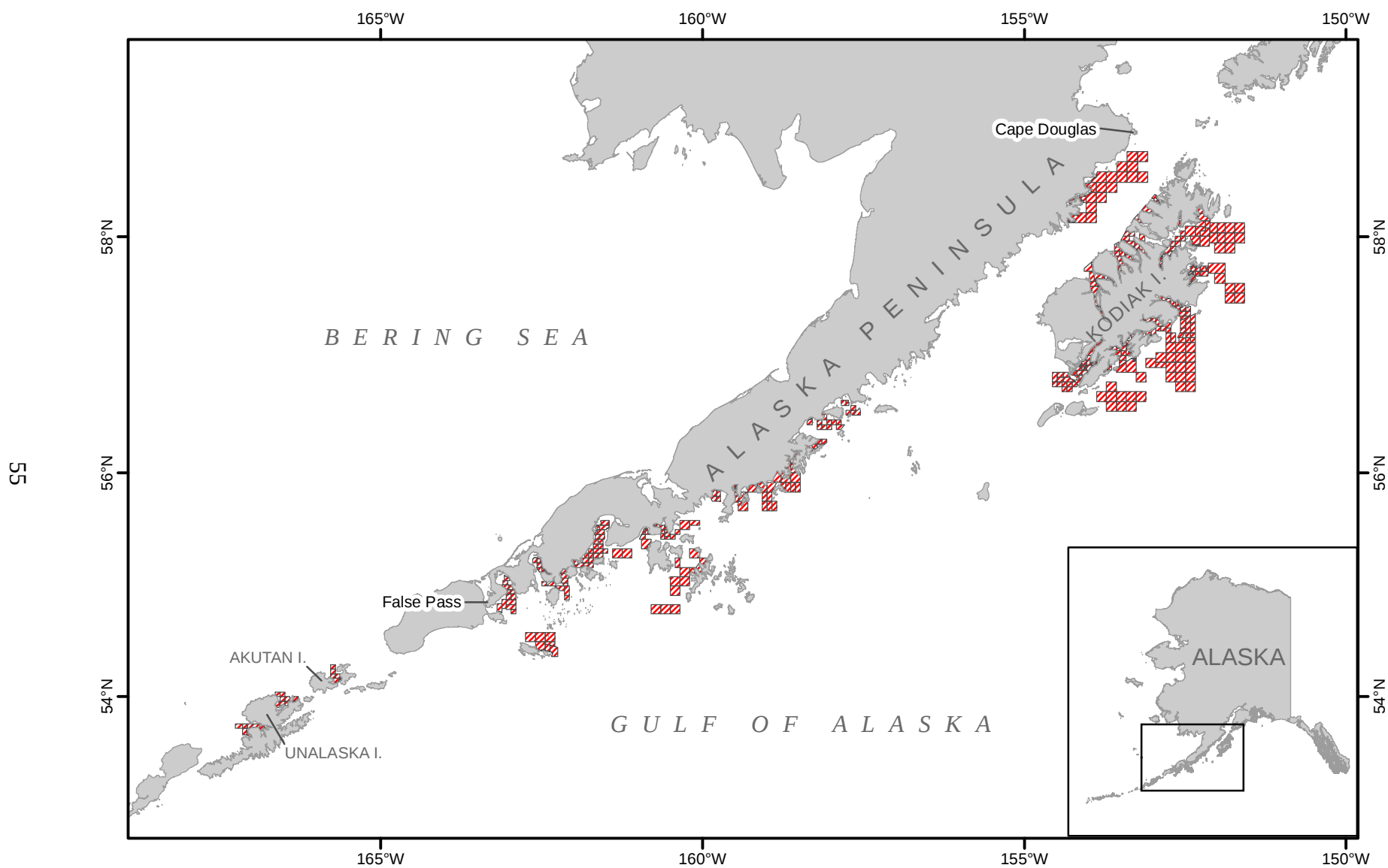


Figure 1.—Large-mesh bottom trawl survey stations, 2017.

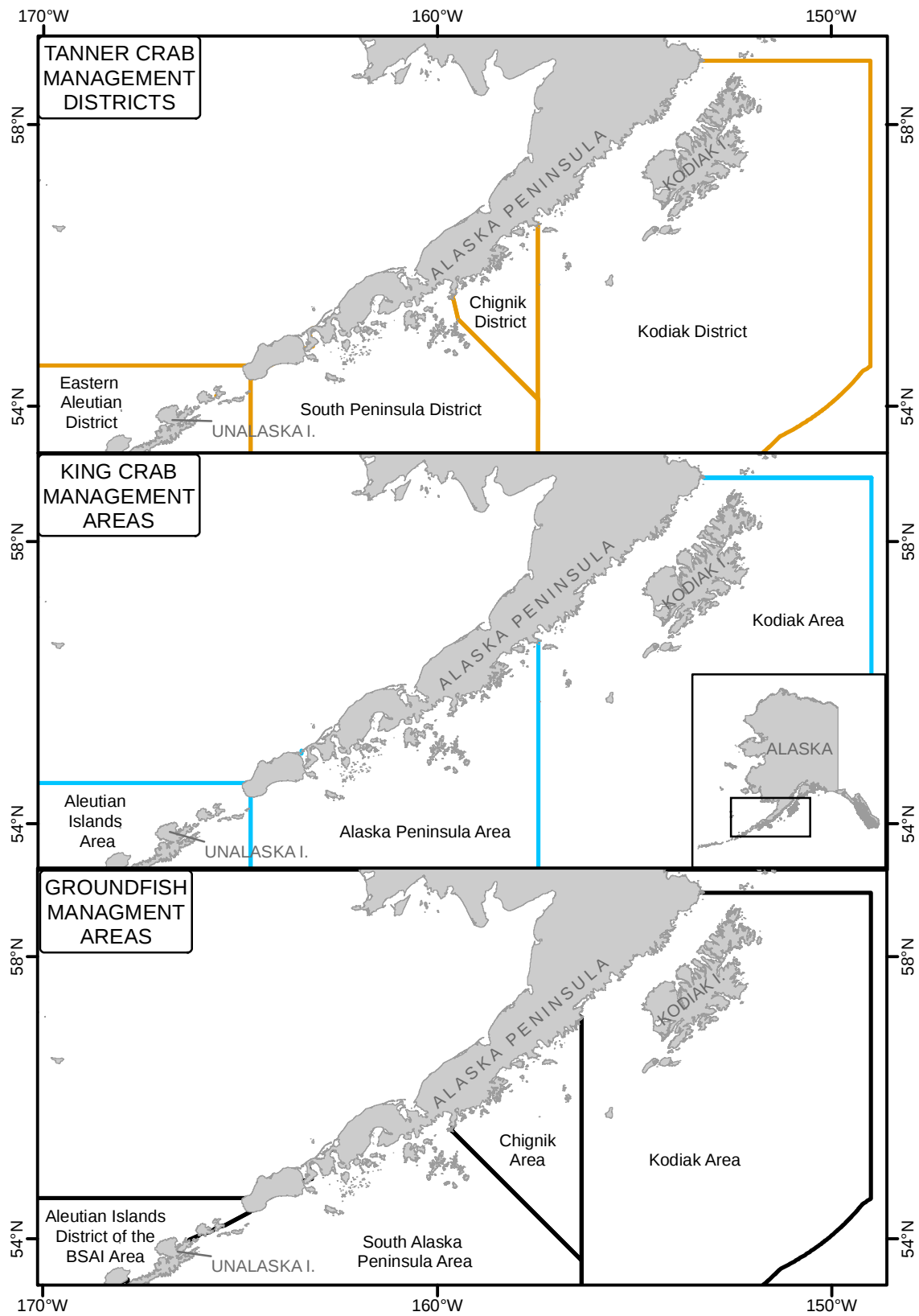


Figure 2.—Tanner crab, king crab, and groundfish management units in the bottom trawl survey area.

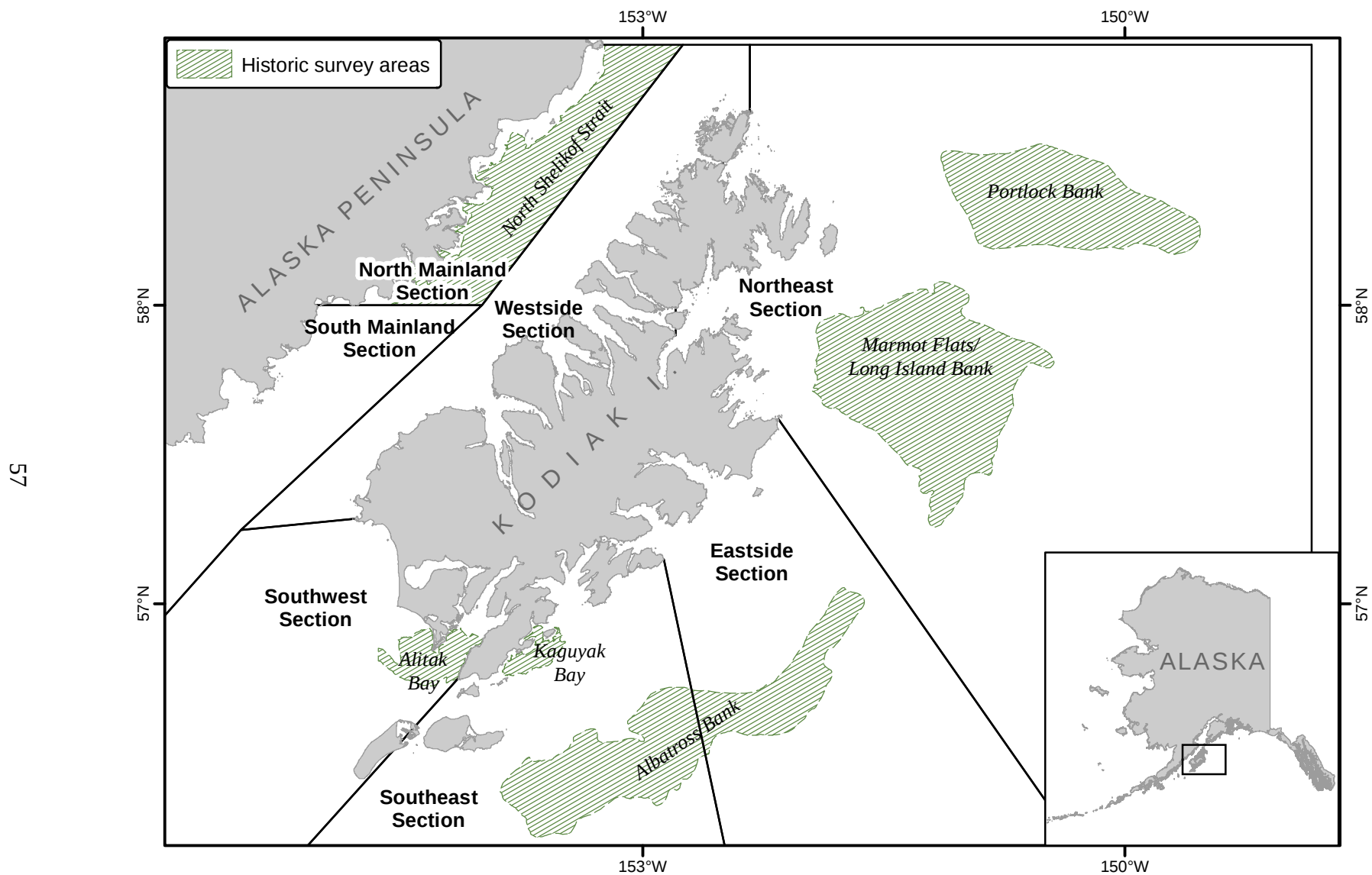


Figure 3.—Historic trawl survey areas and current Tanner crab management sections in the Kodiak District.

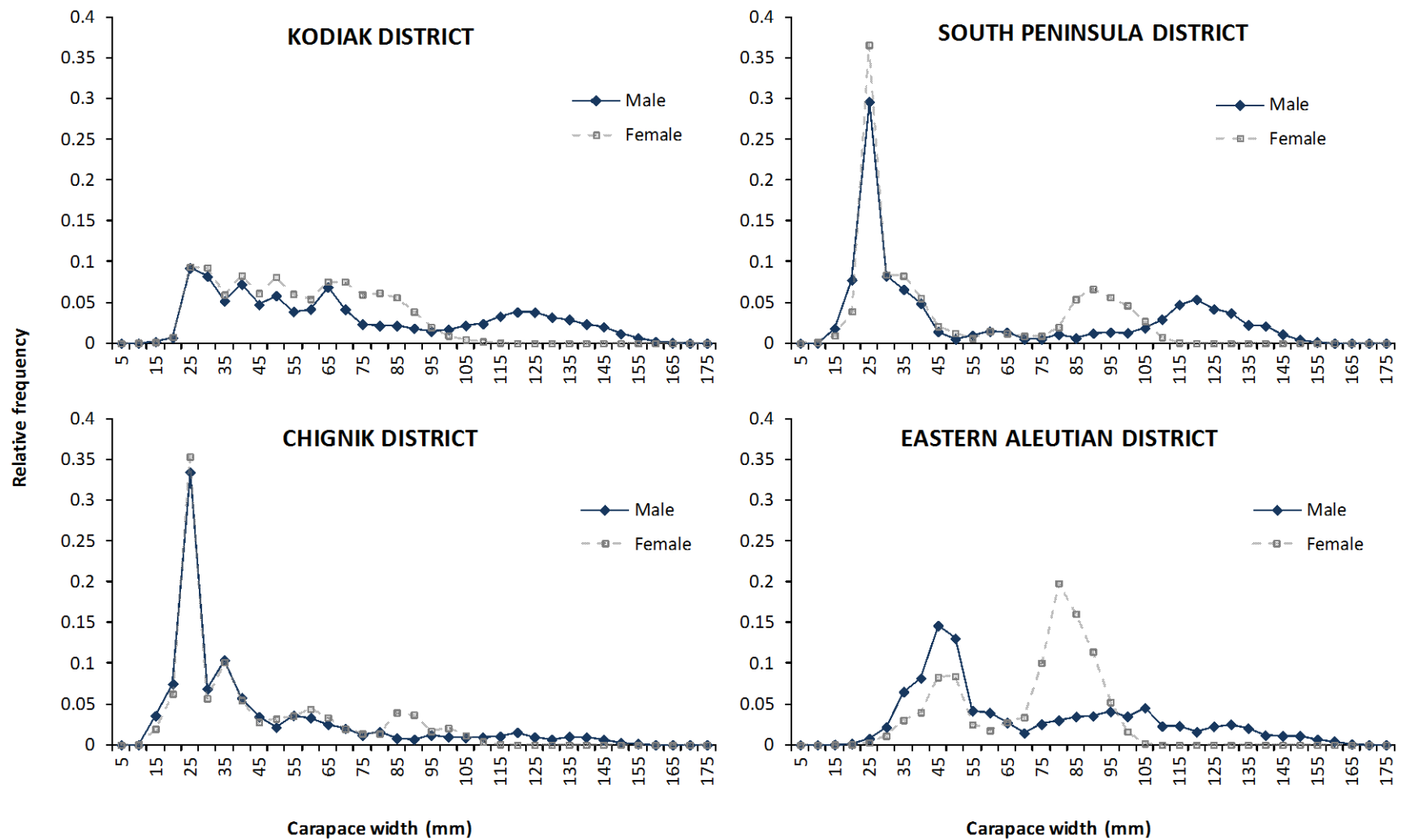


Figure 4.—Tanner crab relative size frequency by sex and district from the 2017 large-mesh bottom trawl survey.

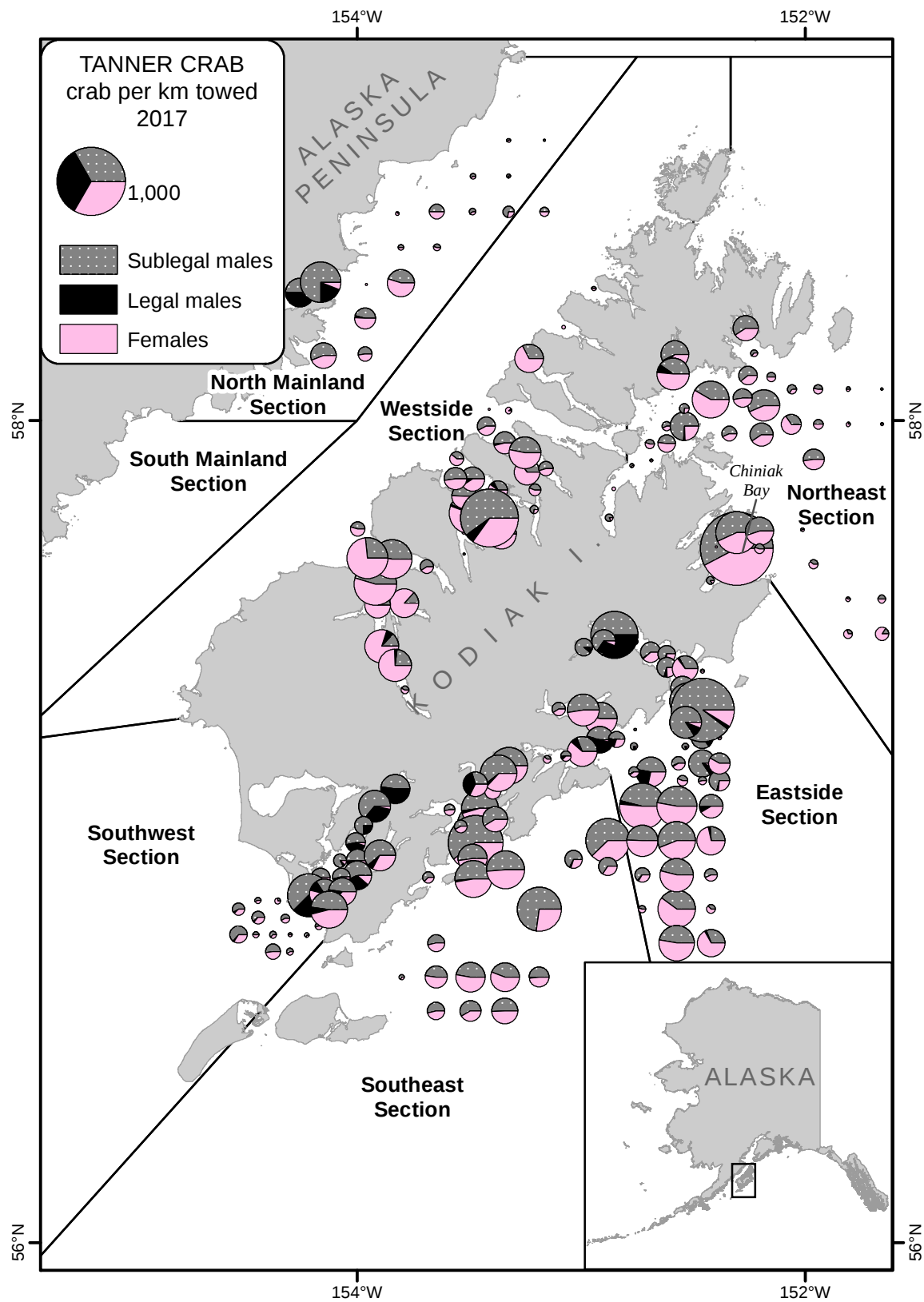


Figure 5.—Number of Tanner crab per kilometer towed in the 2017 Kodiak District large-mesh bottom trawl survey.

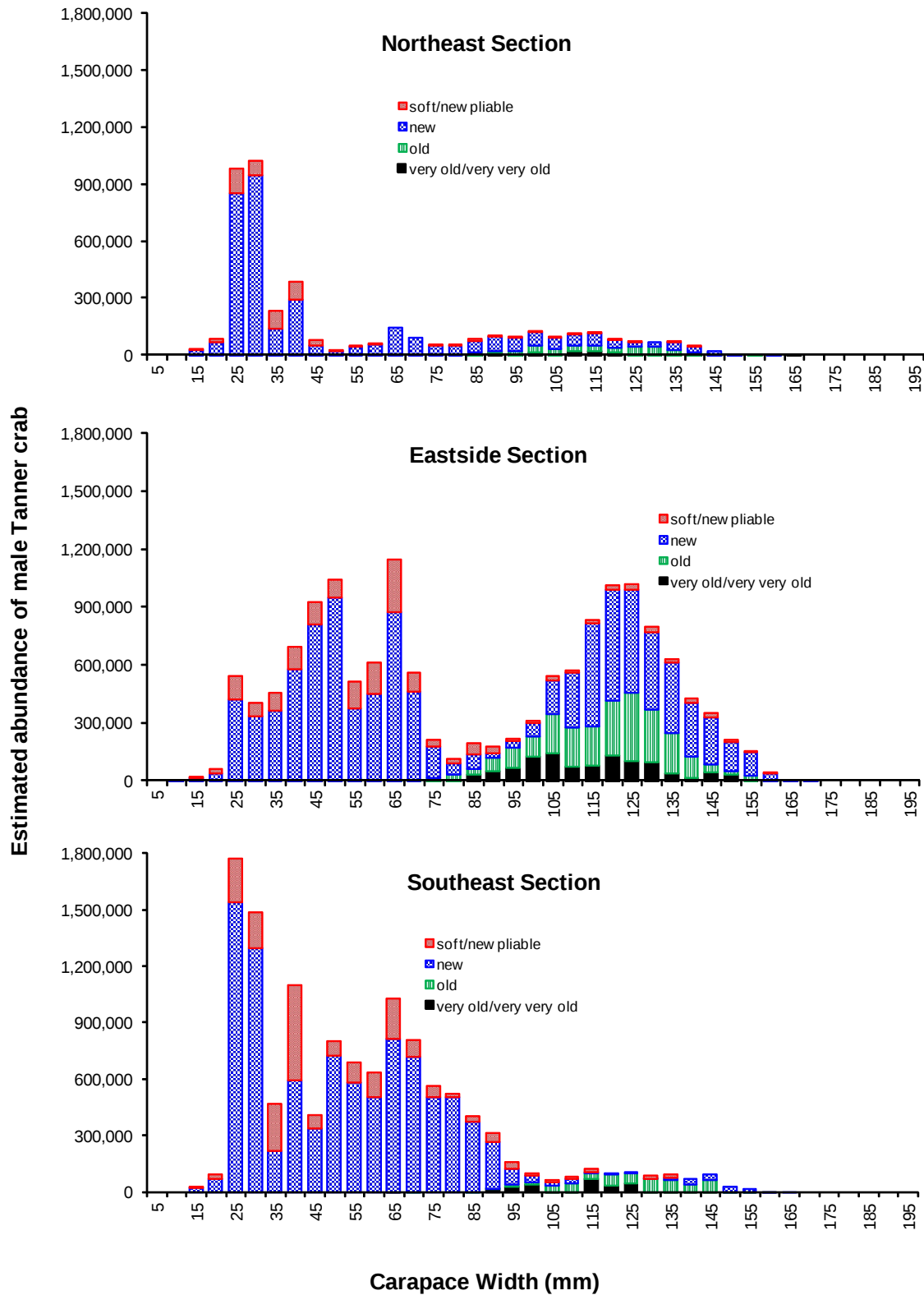


Figure 6.—Tanner crab male abundance estimate by carapace width and shell condition from the Northeast, Eastside, and Southeast sections of the 2017 Kodiak District large-mesh bottom trawl survey.

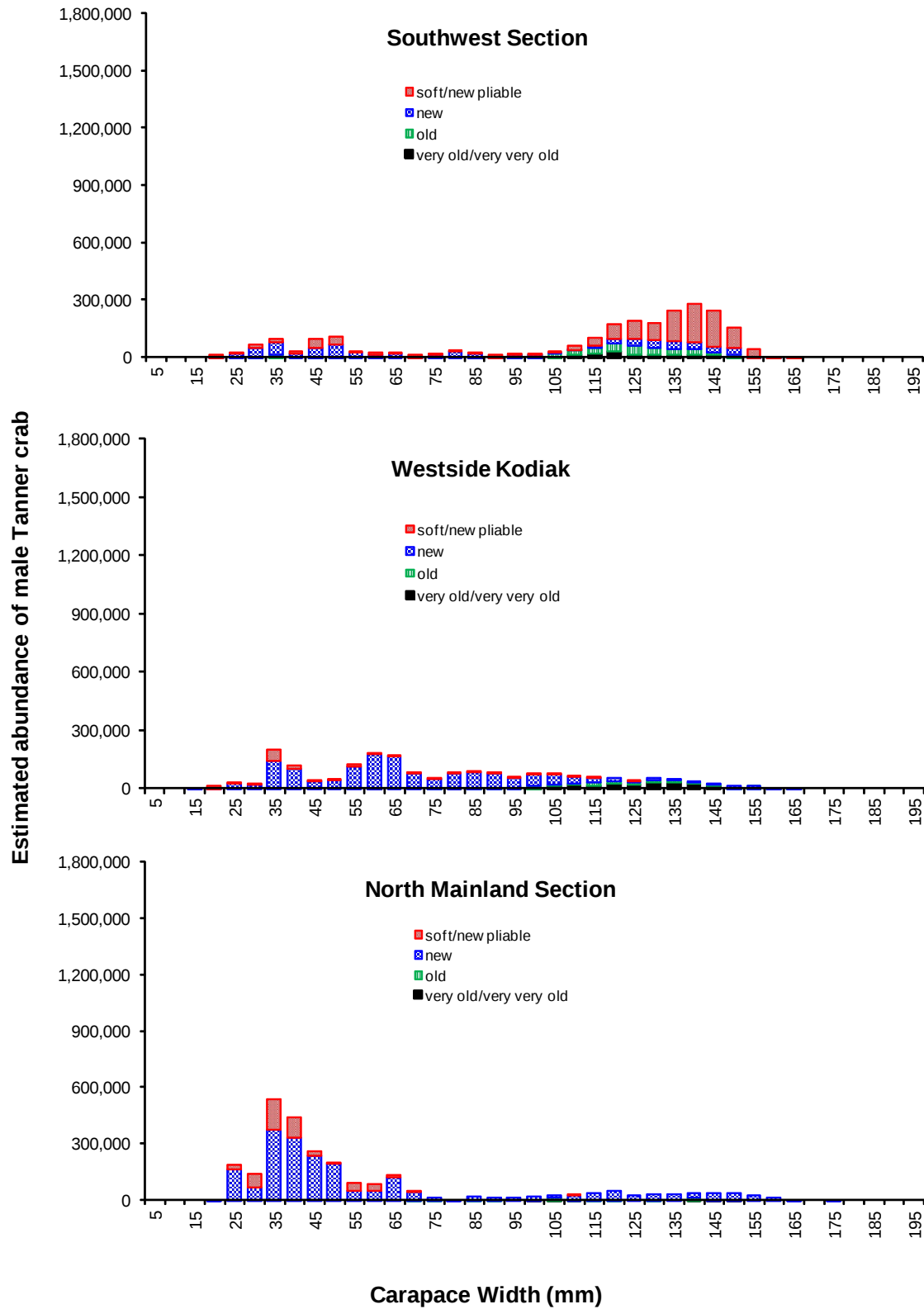


Figure 7.—Tanner crab male abundance estimate by carapace width and shell condition from the Southwest, Westside, and North Mainland sections of the 2017 Kodiak District large-mesh bottom trawl survey.

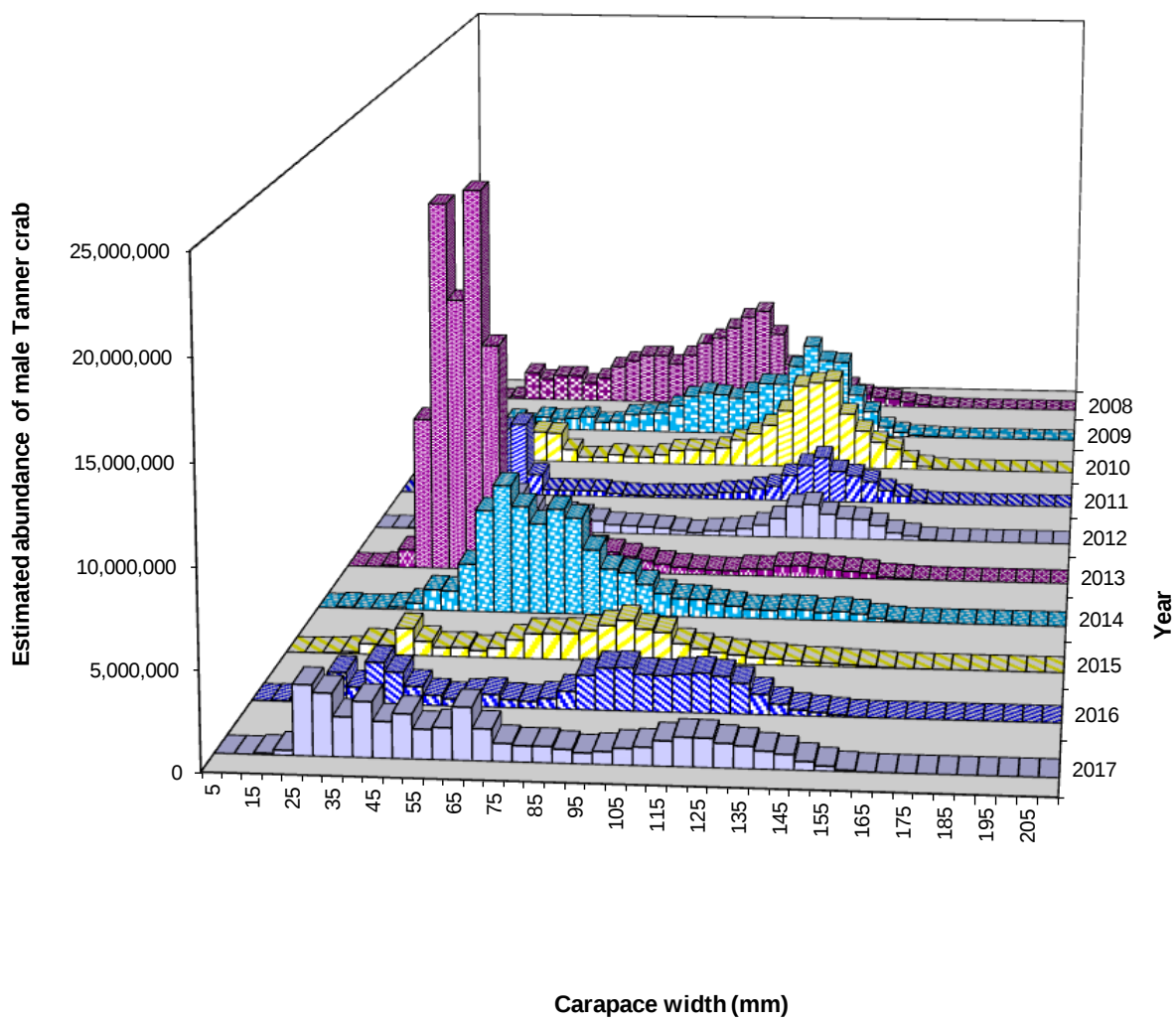


Figure 8.—Tanner crab male abundance estimate by carapace width in the Kodiak District large-mesh bottom trawl surveys, 2008–2017.

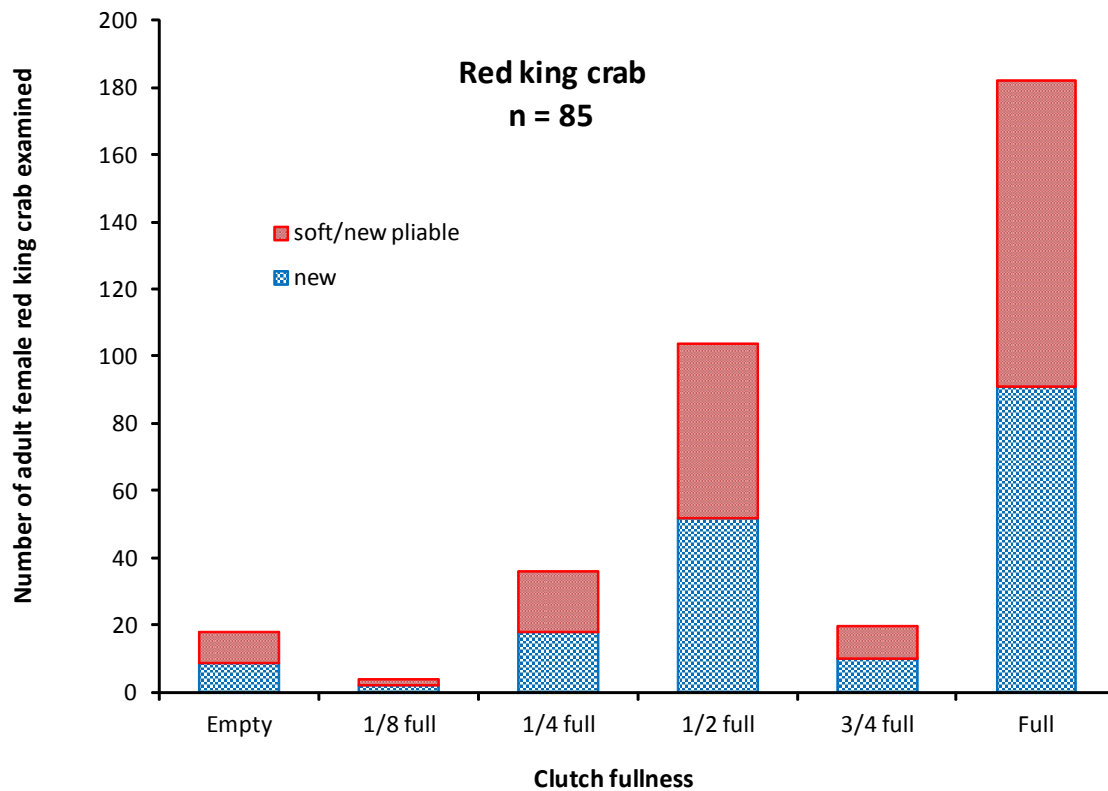
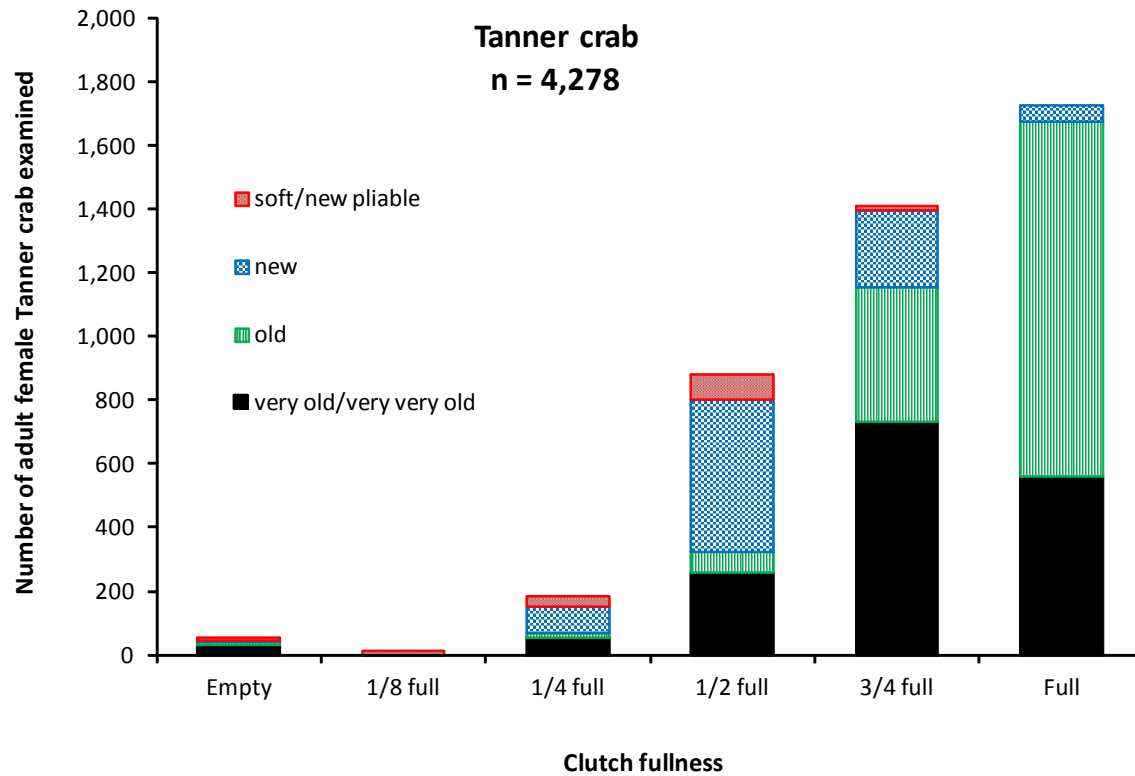


Figure 9.—Tanner crab and red king crab mature female egg clutch fullness by shell condition in the Kodiak District large-mesh bottom trawl survey, 2017.

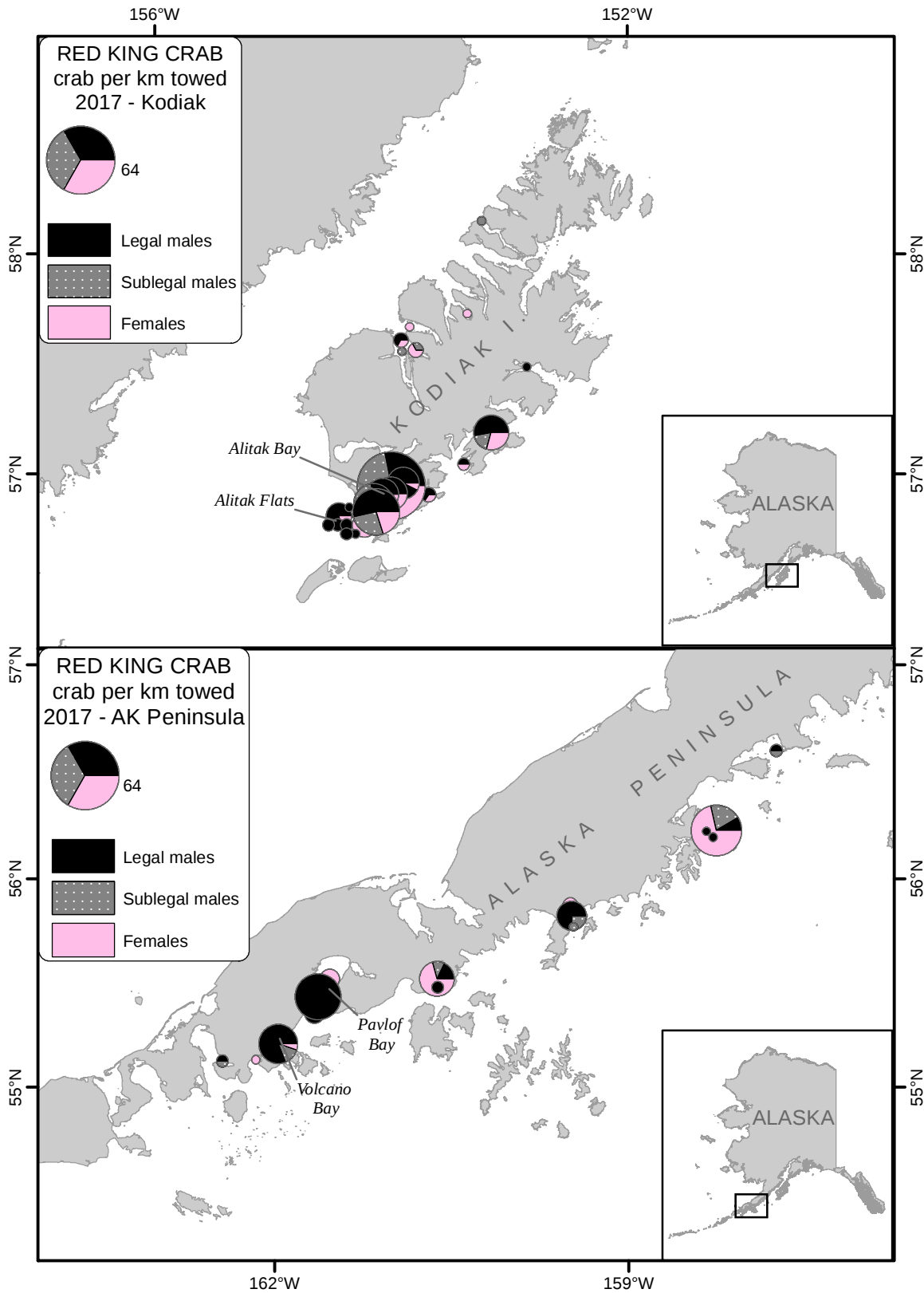


Figure 10.—Number of red king crab per kilometer towed in the 2017 Kodiak (upper) and Alaska Peninsula (lower) areas large-mesh bottom trawl survey.

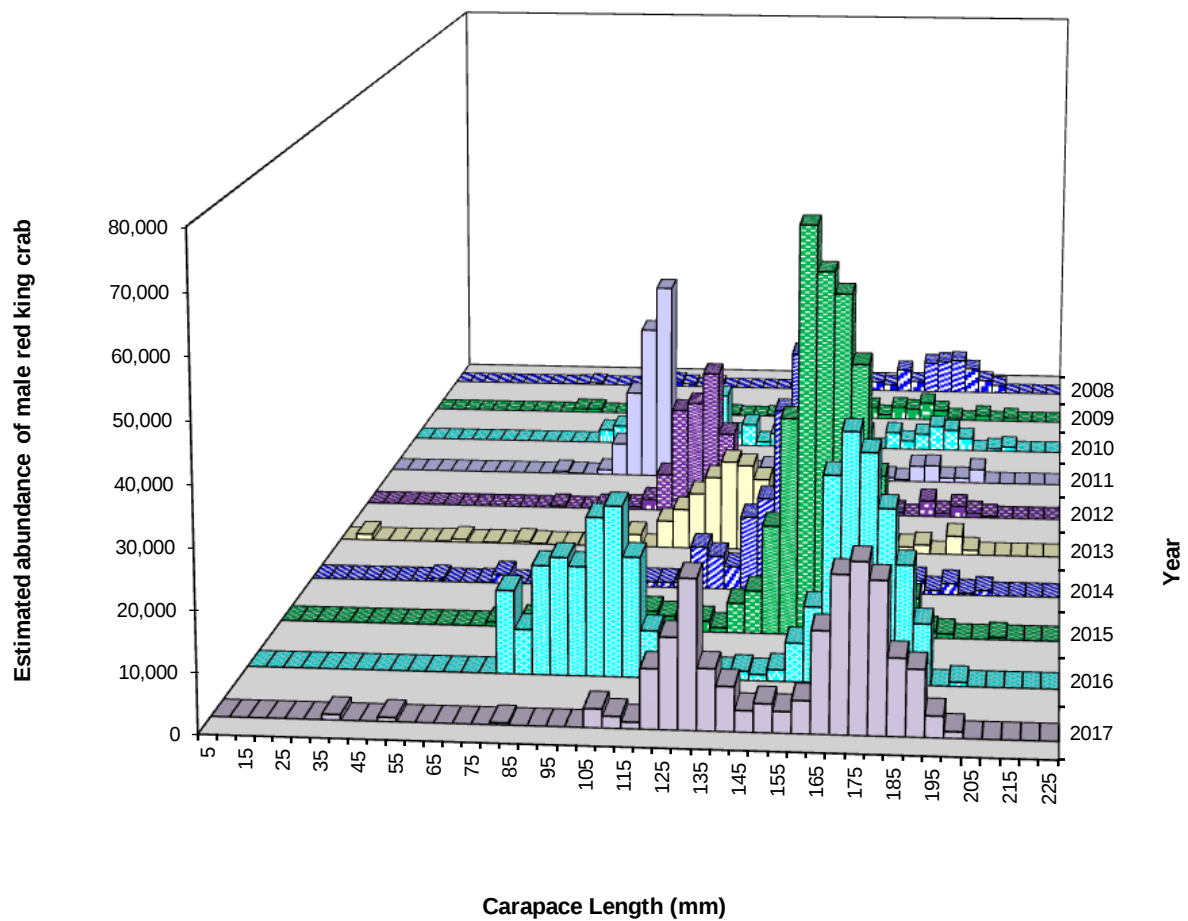


Figure 11.—Red king crab male abundance estimate by carapace length in the Kodiak Area large-mesh bottom trawl surveys, 2008–2017.

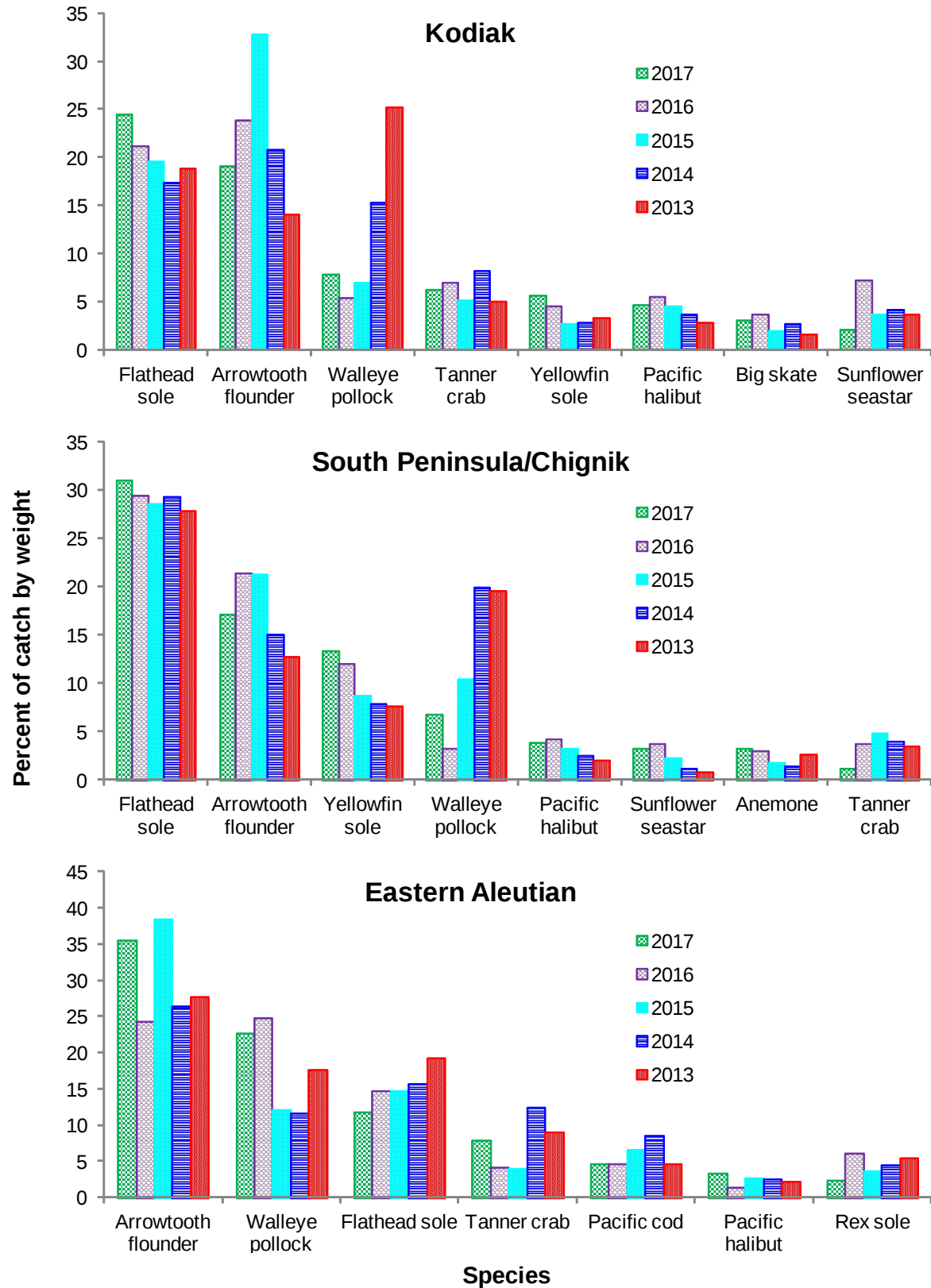


Figure 12.—Top species caught by weight in the large-mesh bottom trawl surveys by district, 2013–2017.

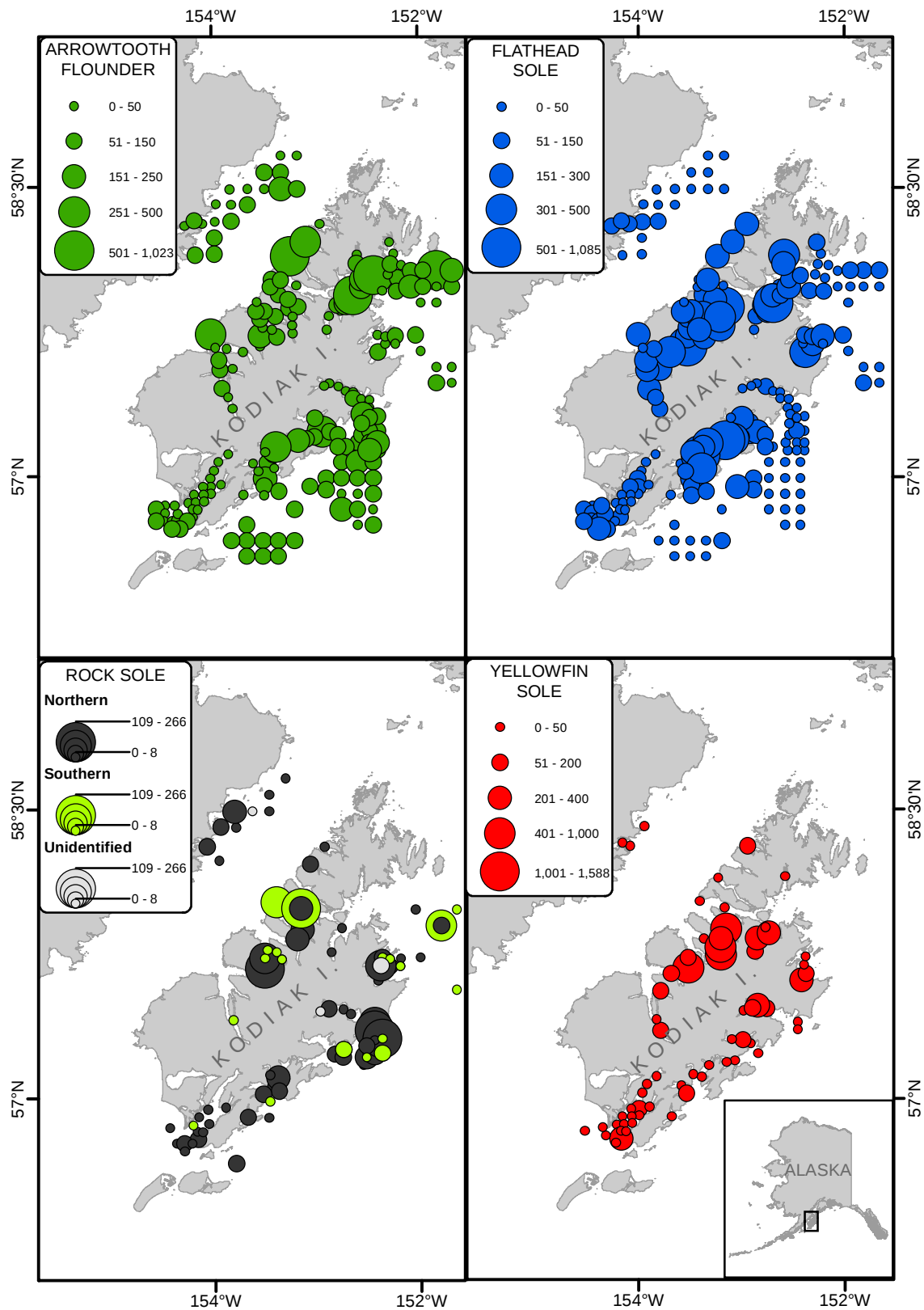


Figure 13.—Arrowtooth flounder, flathead sole, rock sole, and yellowfin sole catch in kilograms per kilometer towed from the 2017 Kodiak Area large-mesh bottom trawl survey.

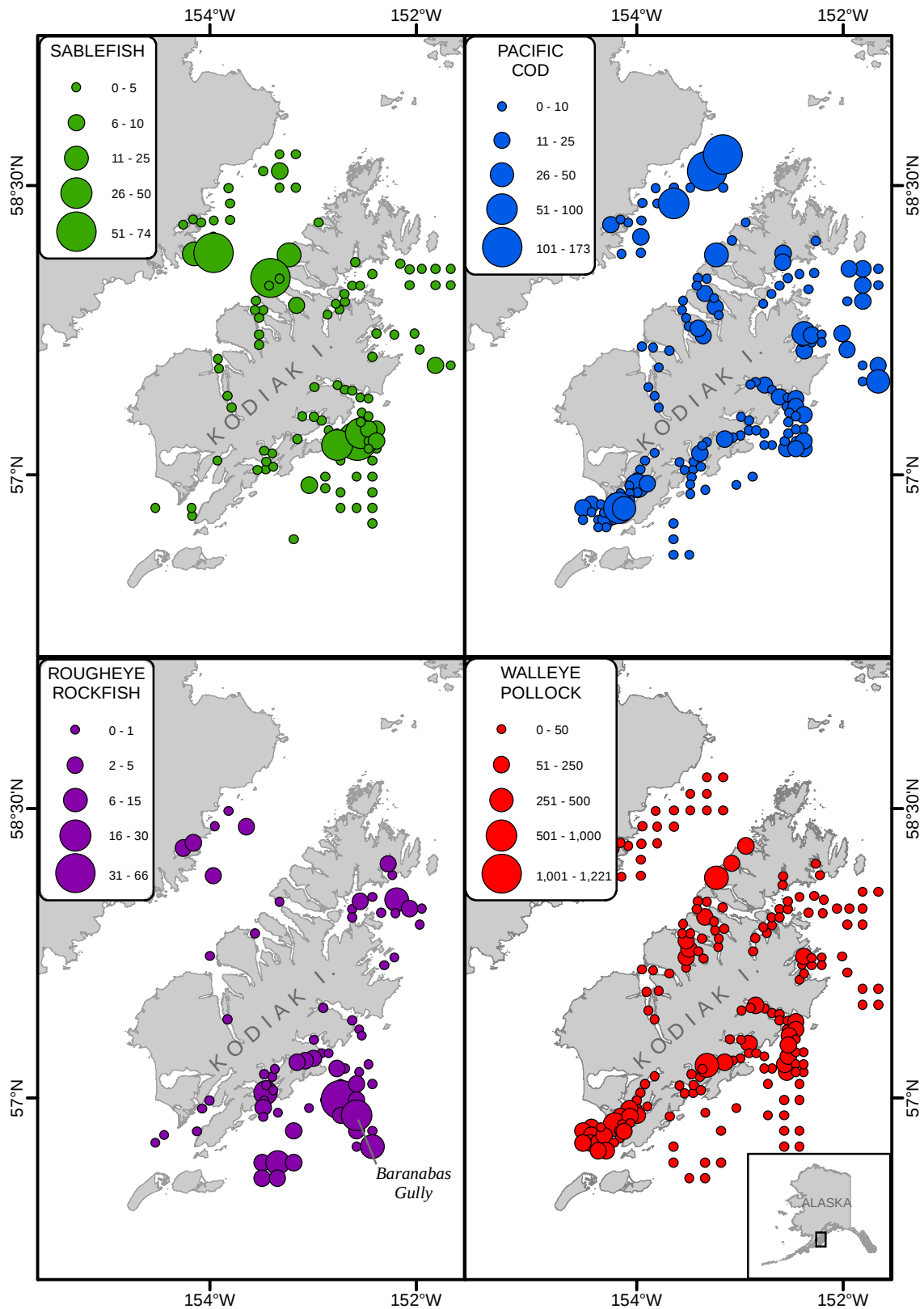


Figure 14.—Sablefish, Pacific cod, roughey rockfish, and walleye pollock catch in kilograms per kilometer towed from the 2017 Kodiak Area large-mesh bottom trawl survey.

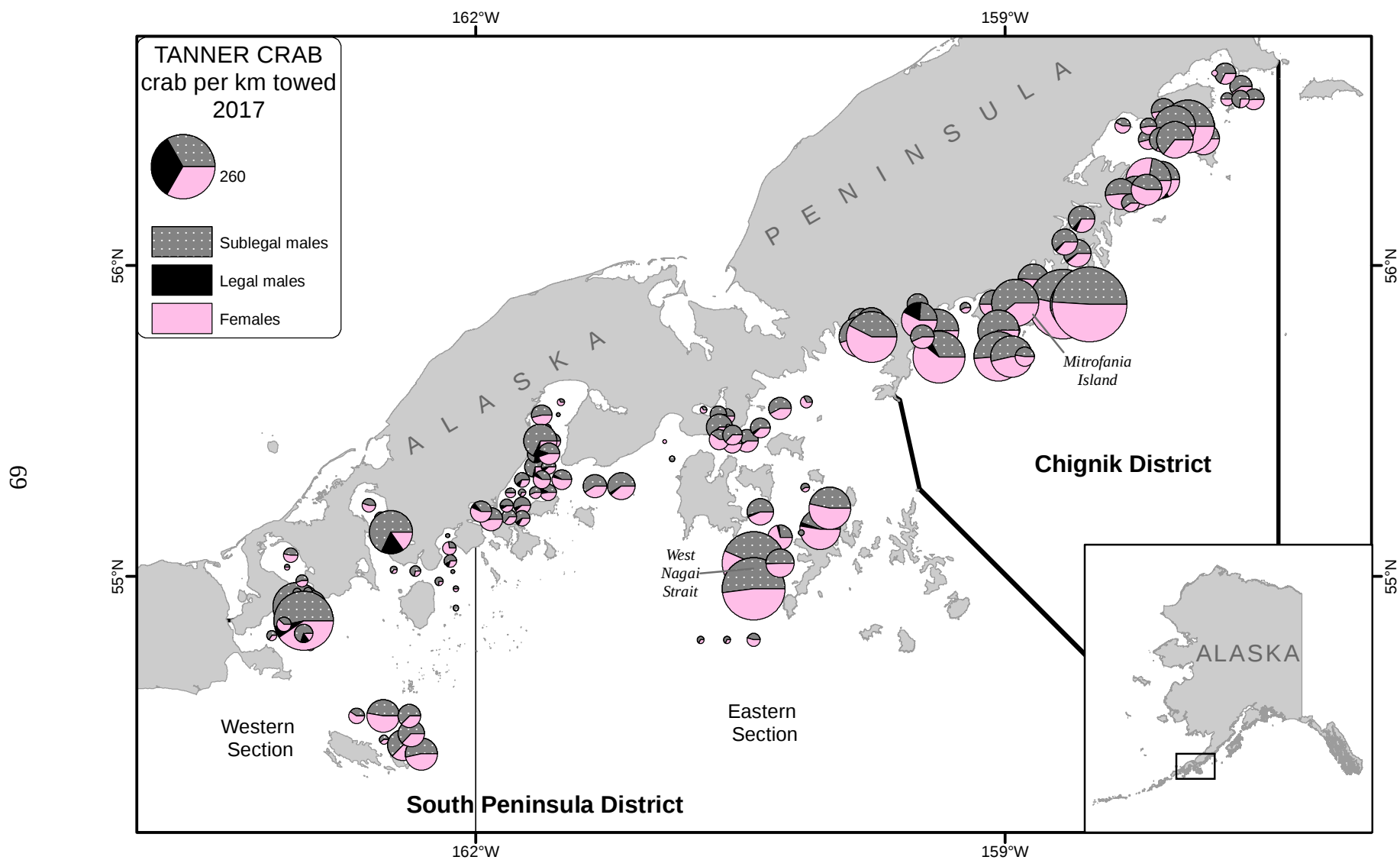


Figure 15.—Number of Tanner crab per kilometer towed in the 2017 South Peninsula and Chignik districts large-mesh bottom trawl survey.

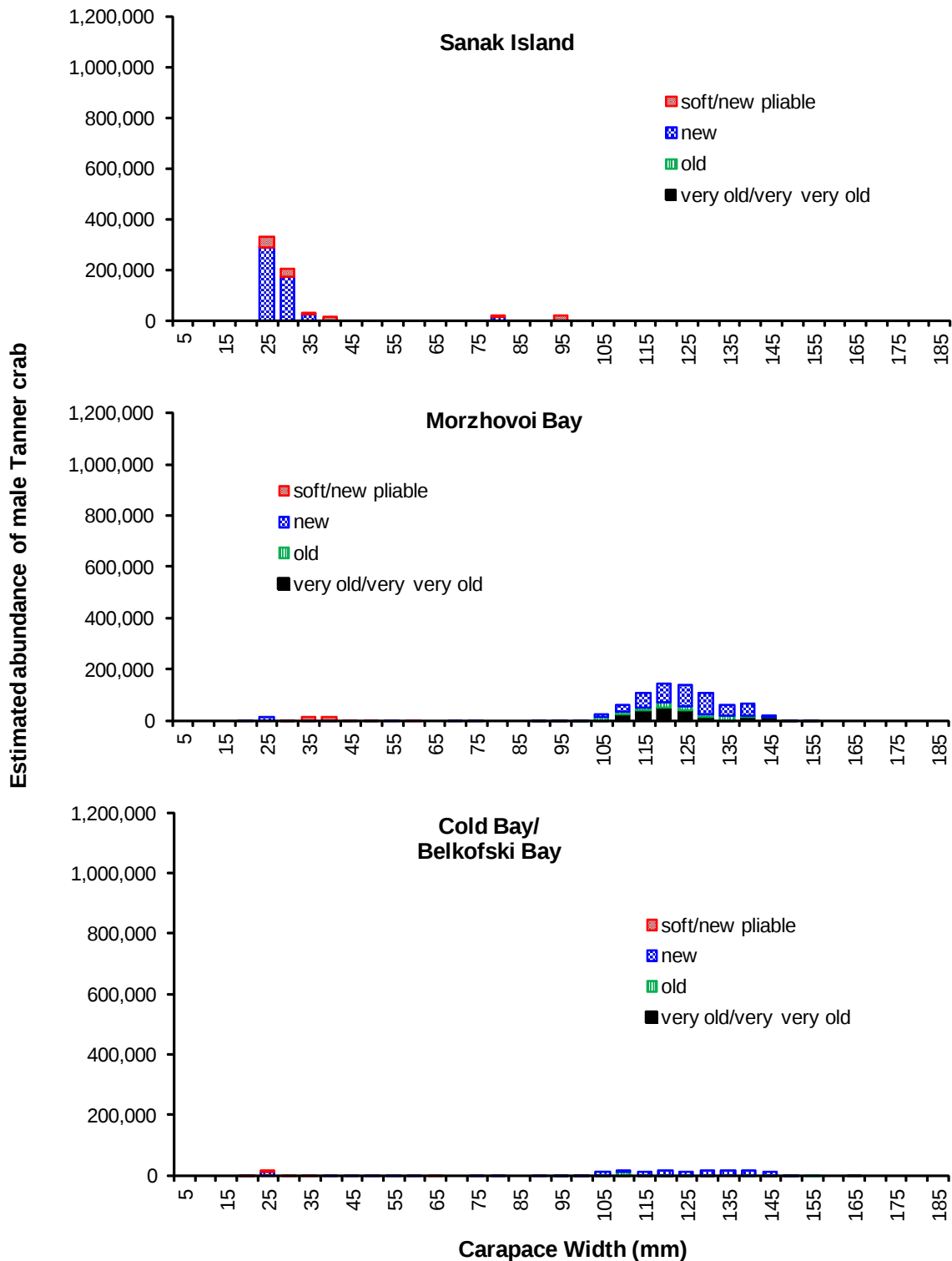


Figure 16.—Tanner crab male abundance estimate by carapace width and shell condition from Sanak Island, Morzhovoi Bay, and Cold Bay/Belkofski Bay in the Western Section of the 2017 South Peninsula District large-mesh bottom trawl survey.

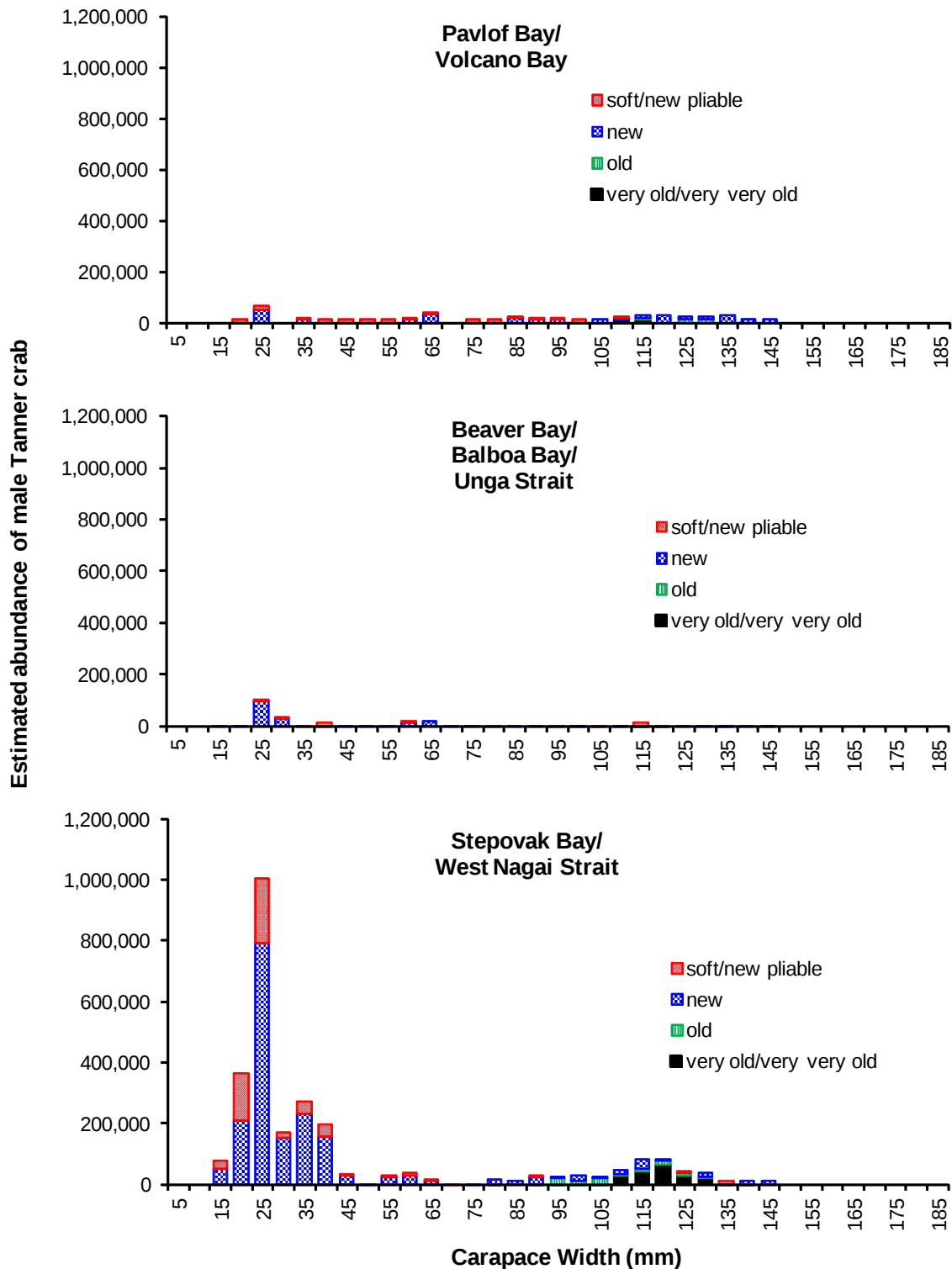


Figure 17.—Tanner crab male abundance estimate by carapace width and shell condition from Pavlof Bay/Volcano Bay, Beaver Bay/Balboa Bay/Unga Strait, and Stepovak Bay/West Nagai Strait in the Eastern Section of the 2017 South Peninsula District large-mesh bottom trawl survey.

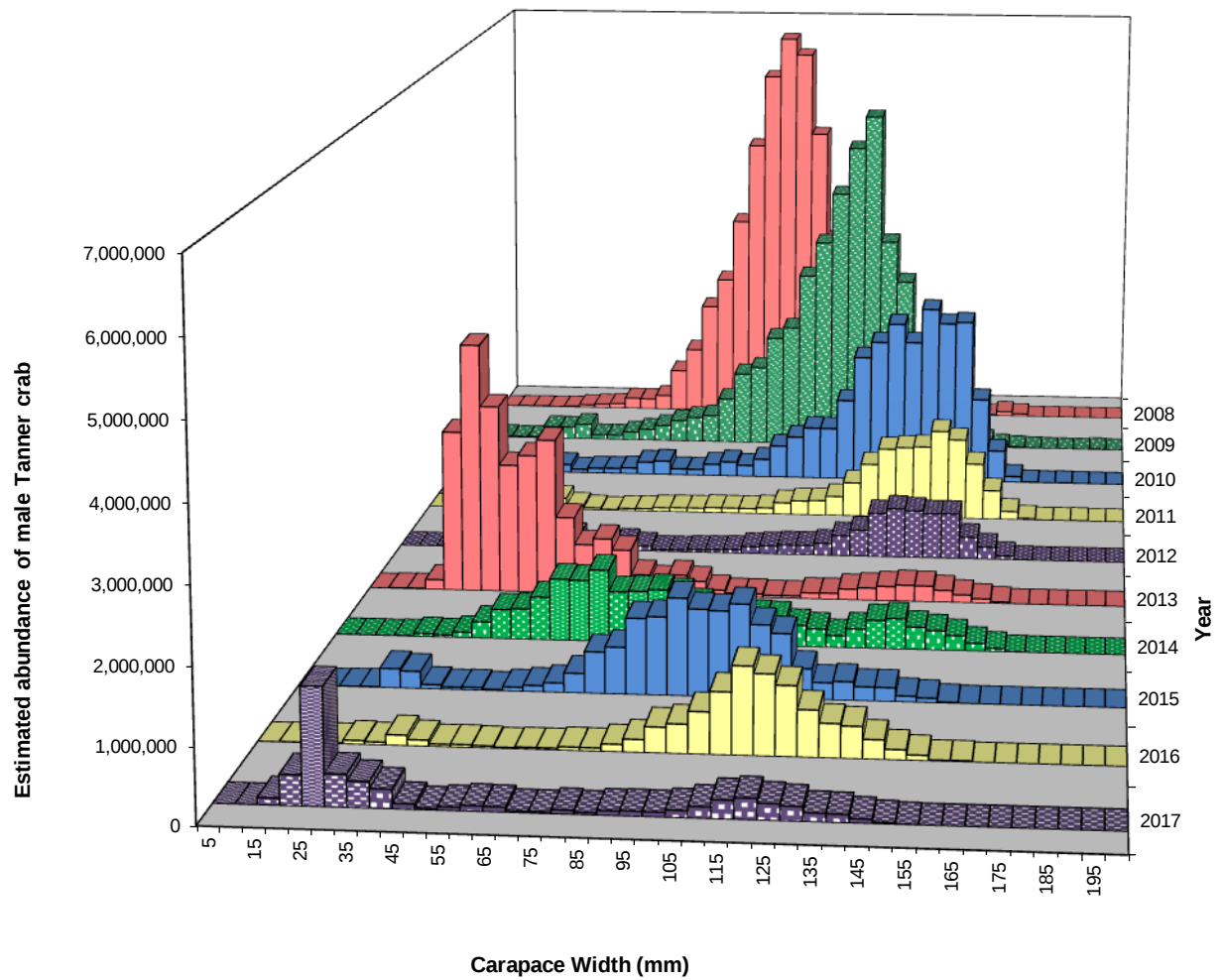


Figure 18.—Tanner crab male abundance estimate by carapace width in the South Peninsula District large-mesh bottom trawl surveys, 2008–2017.

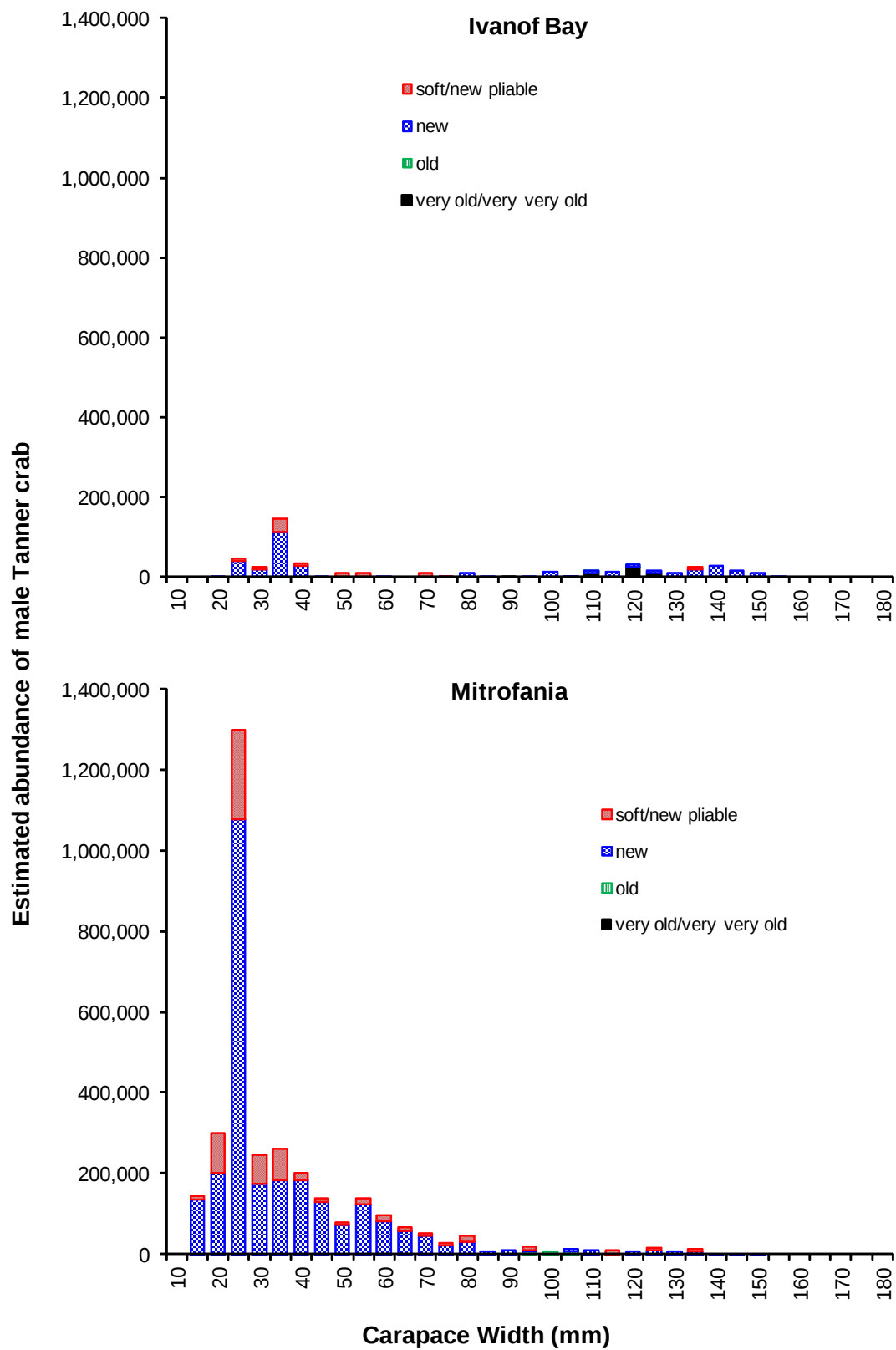


Figure 19.—Tanner crab male abundance estimate by carapace width and shell condition from Ivanof Bay and Mitrofanina in the 2017 Chignik District large-mesh bottom trawl survey.

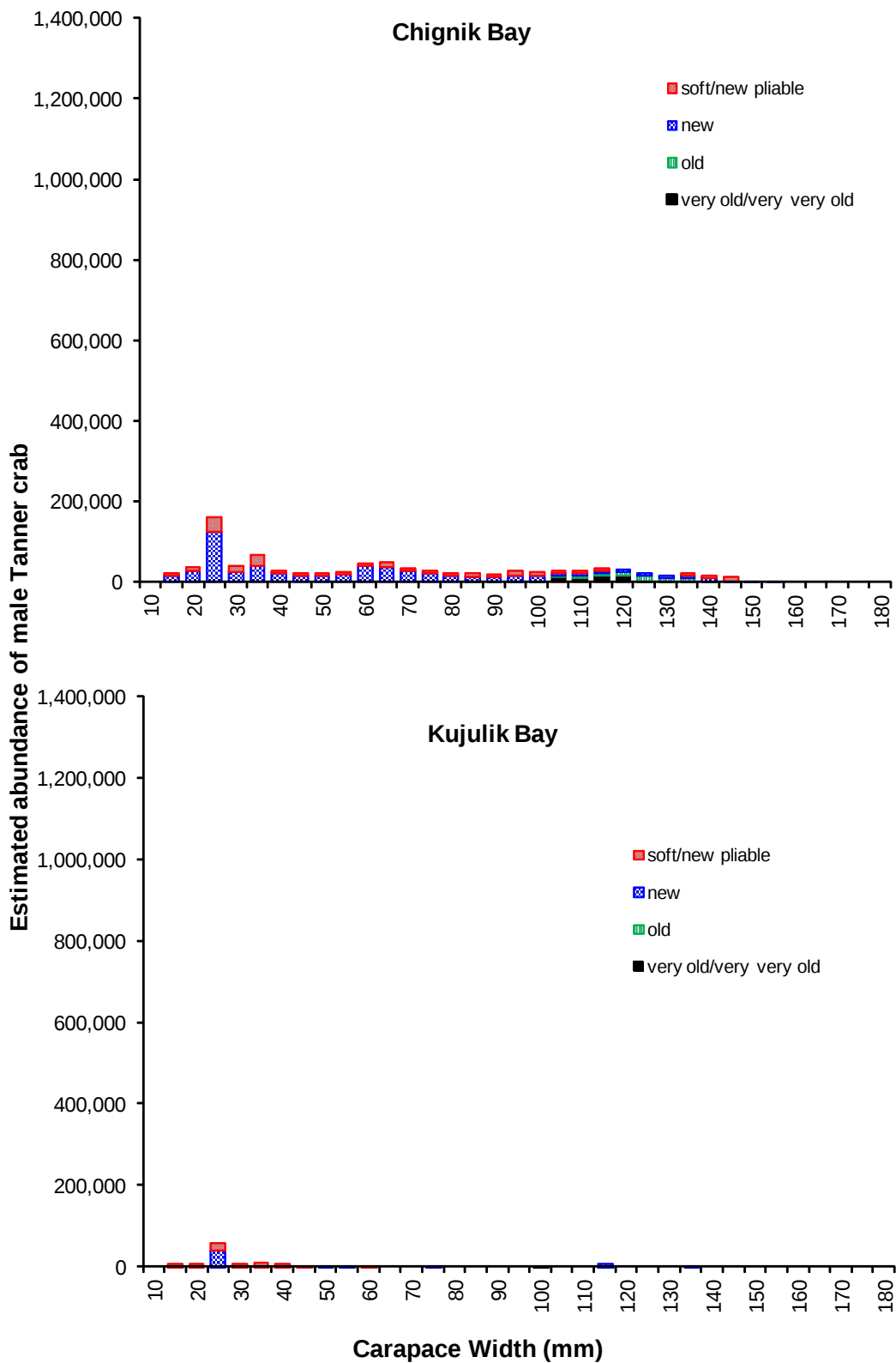


Figure 20.—Tanner crab male abundance estimate by carapace width and shell condition from Chignik Bay and Kujulik Bay in the 2017 Chignik District large-mesh bottom trawl survey.

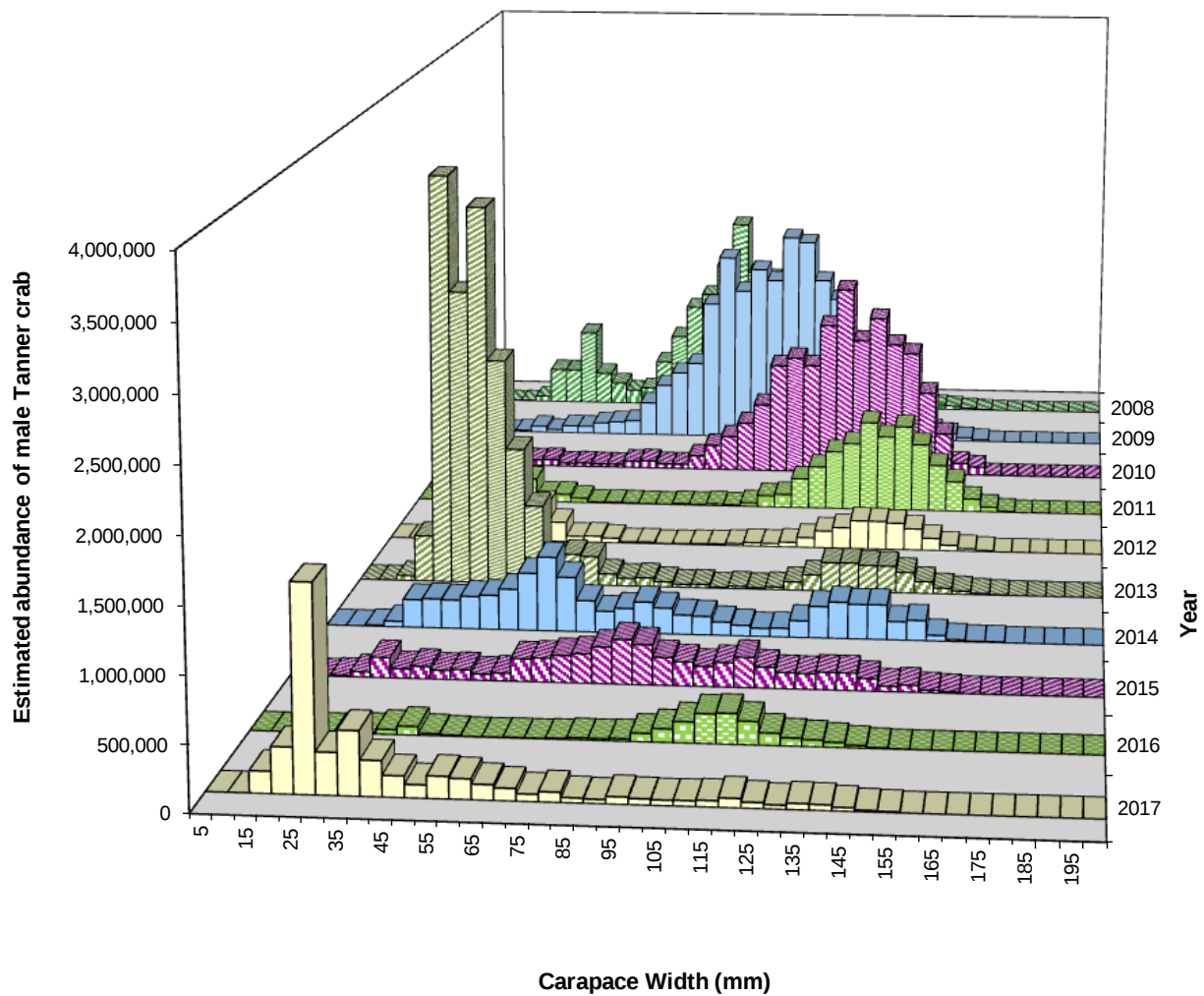


Figure 21.—Tanner crab male abundance estimate by carapace width in the Chignik District large-mesh bottom trawl surveys, 2008–2017.

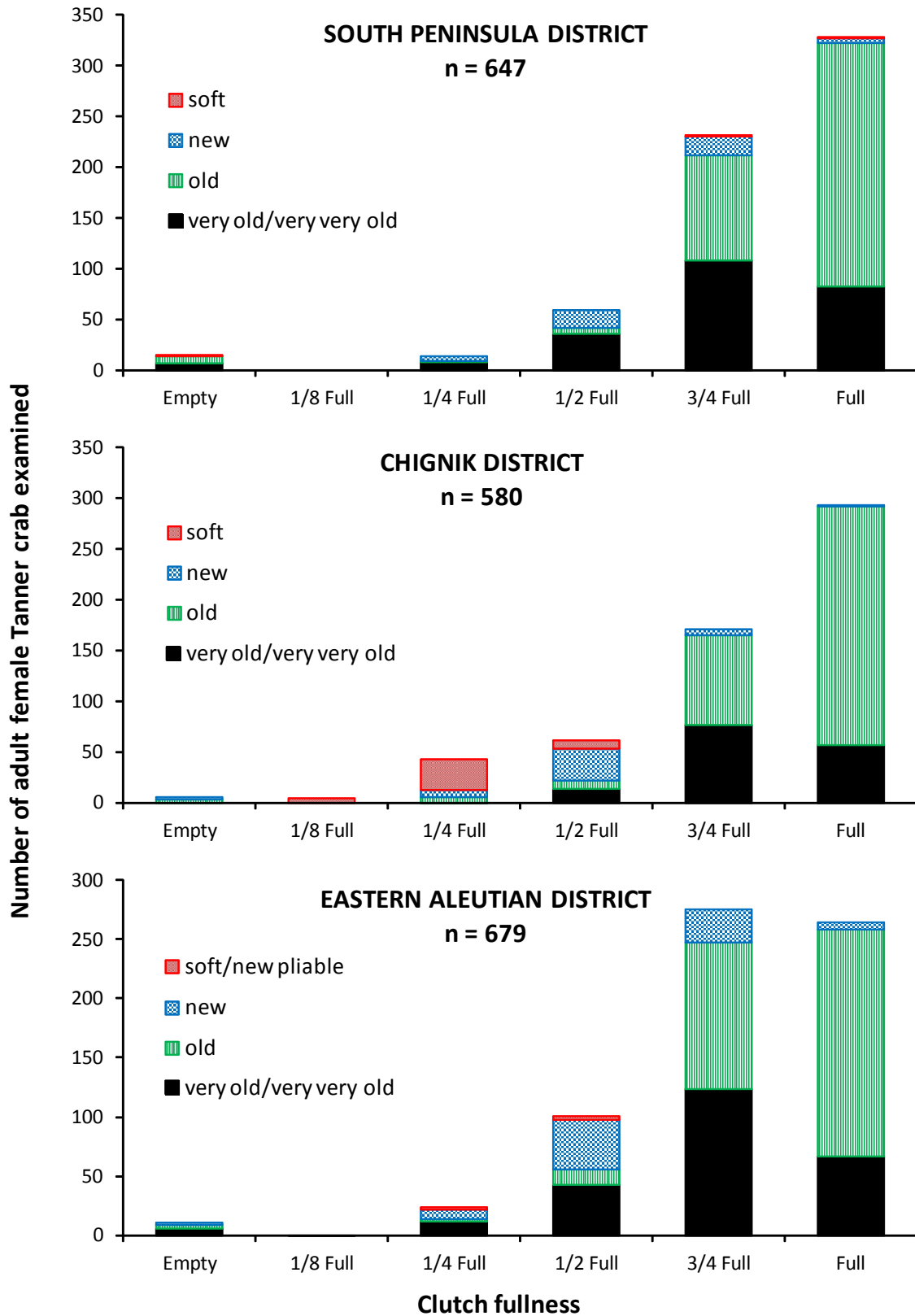


Figure 22.—Tanner crab mature female egg clutch fullness by shell condition in the South Peninsula, Chignik, and Eastern Aleutian districts large-mesh bottom trawl survey, 2017.

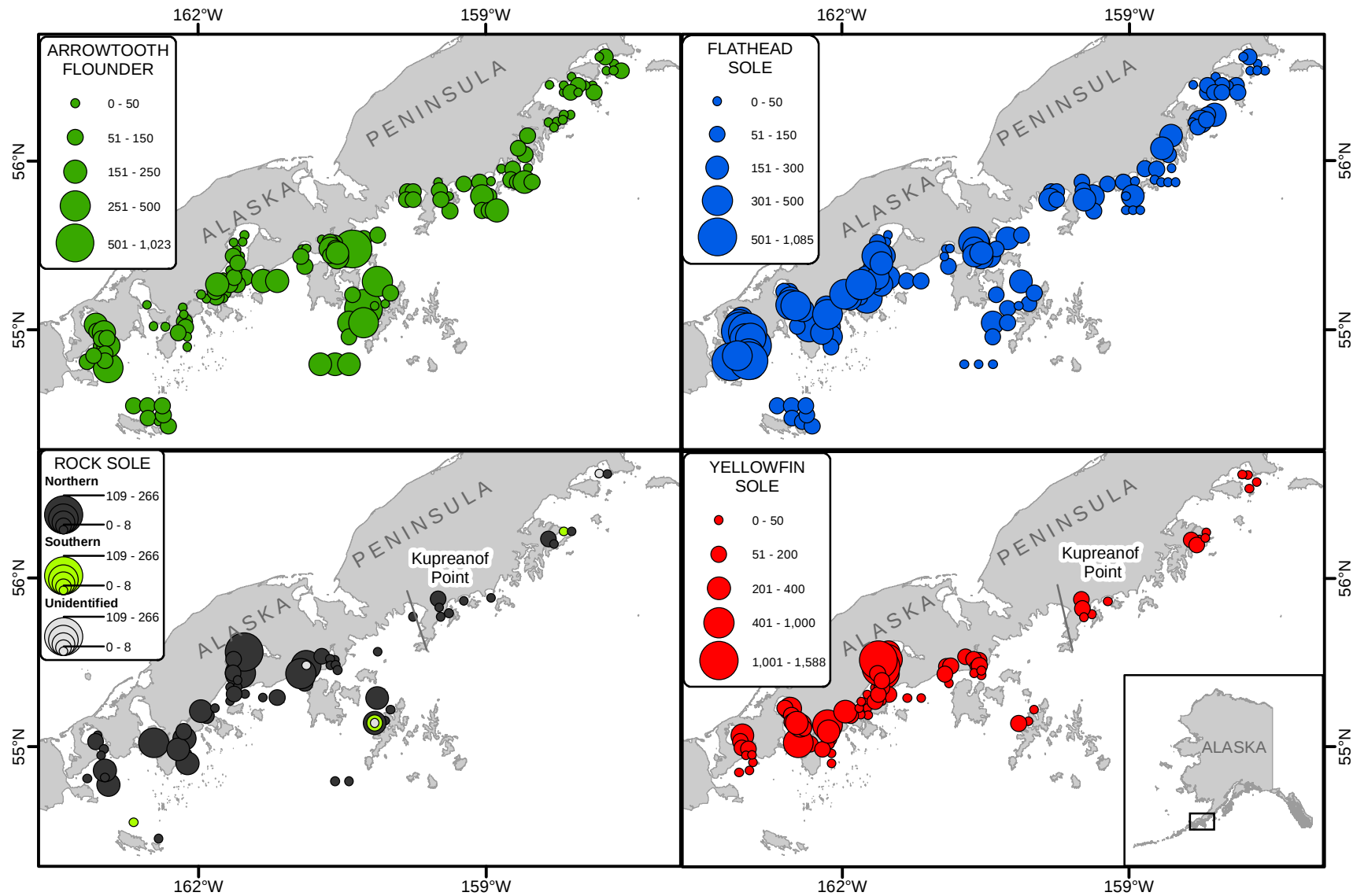


Figure 23.—Arrowtooth flounder, flathead sole, rock sole, and yellowfin sole catch in kilograms per kilometer towed from the 2017 Chignik and South Alaska Peninsula areas large-mesh bottom trawl survey.

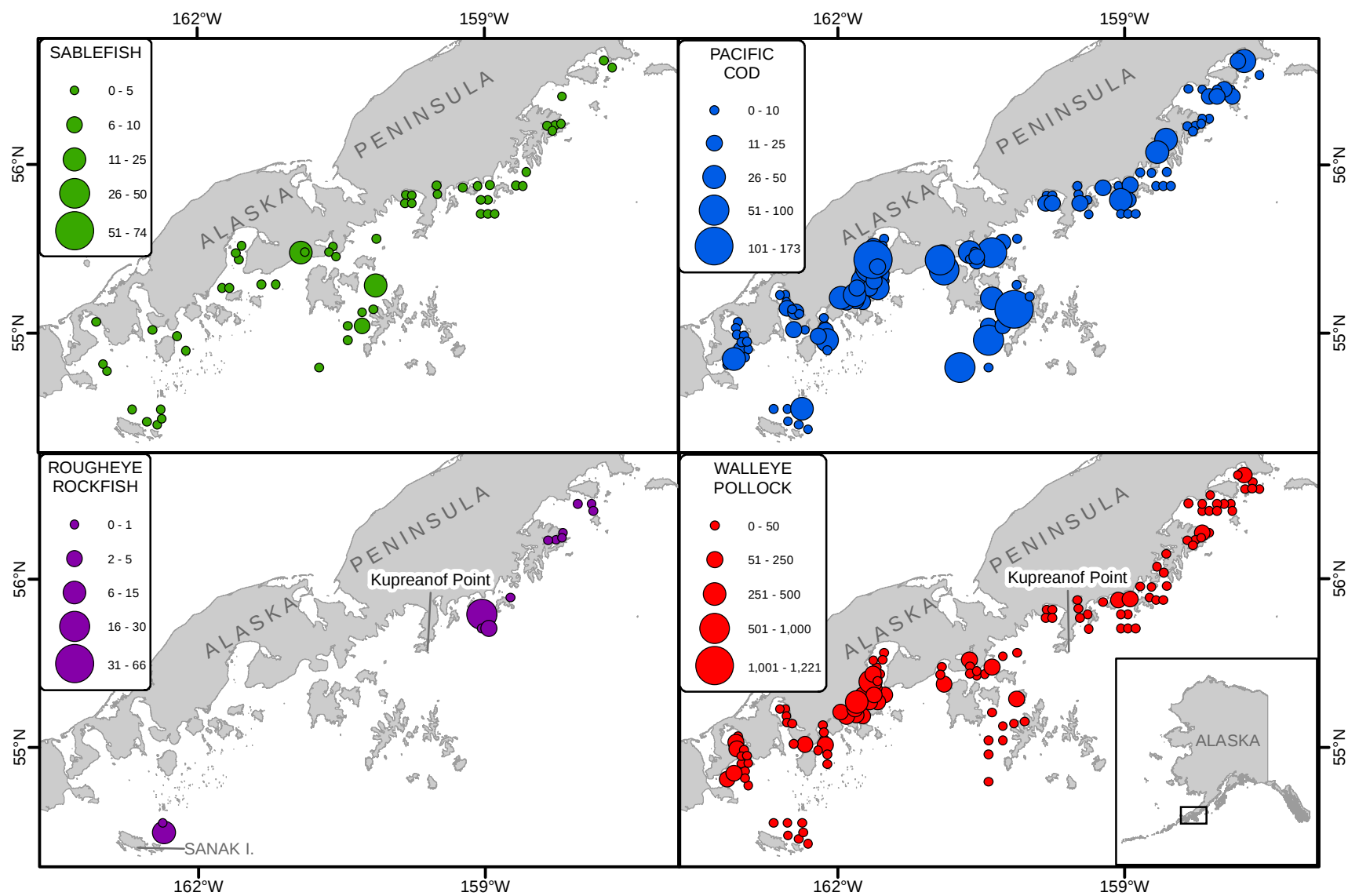


Figure 24.—Sablefish, Pacific cod, rougheye rockfish, and walleye pollock catch in kilograms per kilometer towed from the 2017 Chignik and South Alaska Peninsula areas large-mesh bottom trawl survey.

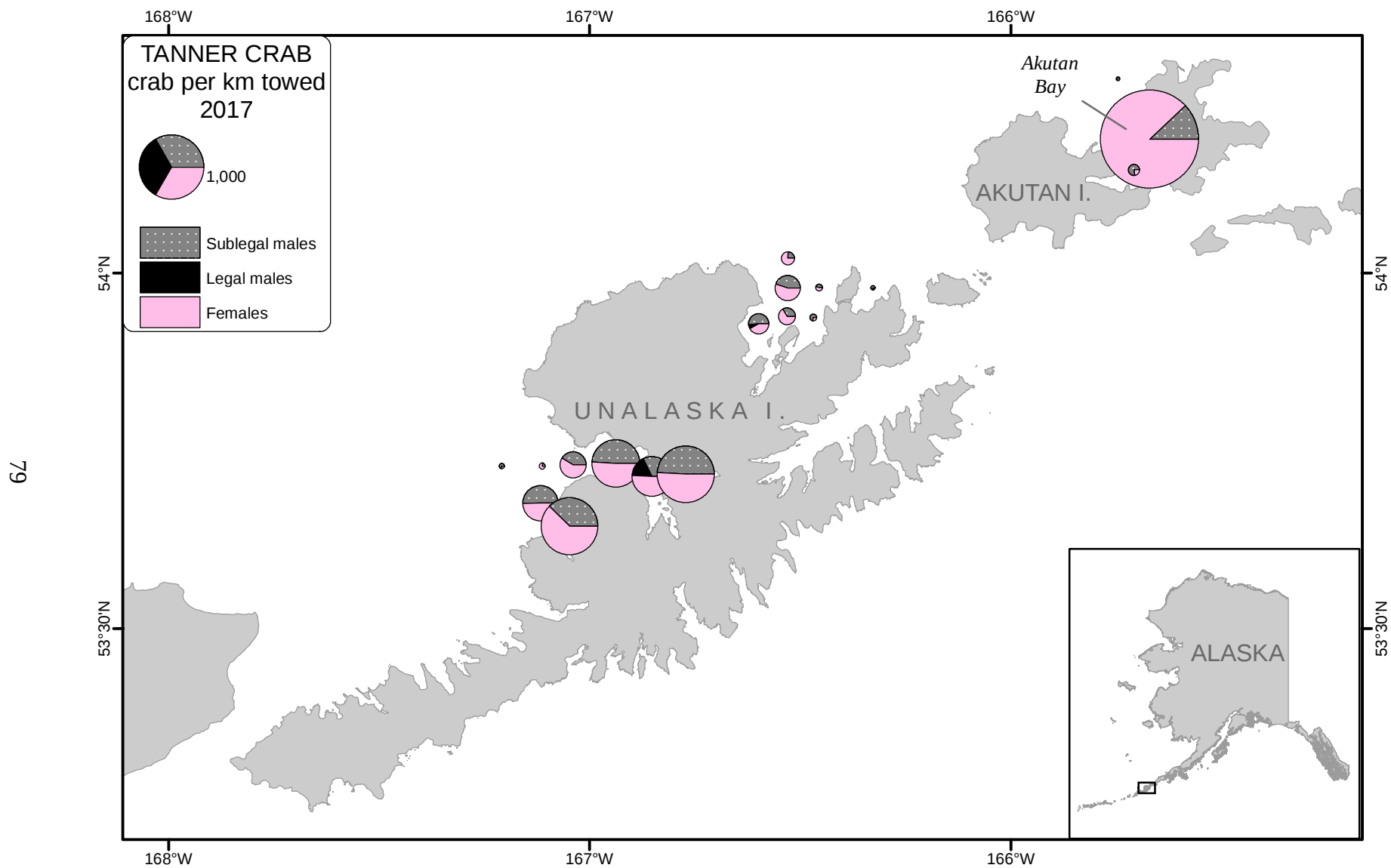


Figure 25.—Number of Tanner crab per kilometer towed in the 2017 Eastern Aleutian District large-mesh bottom trawl survey.

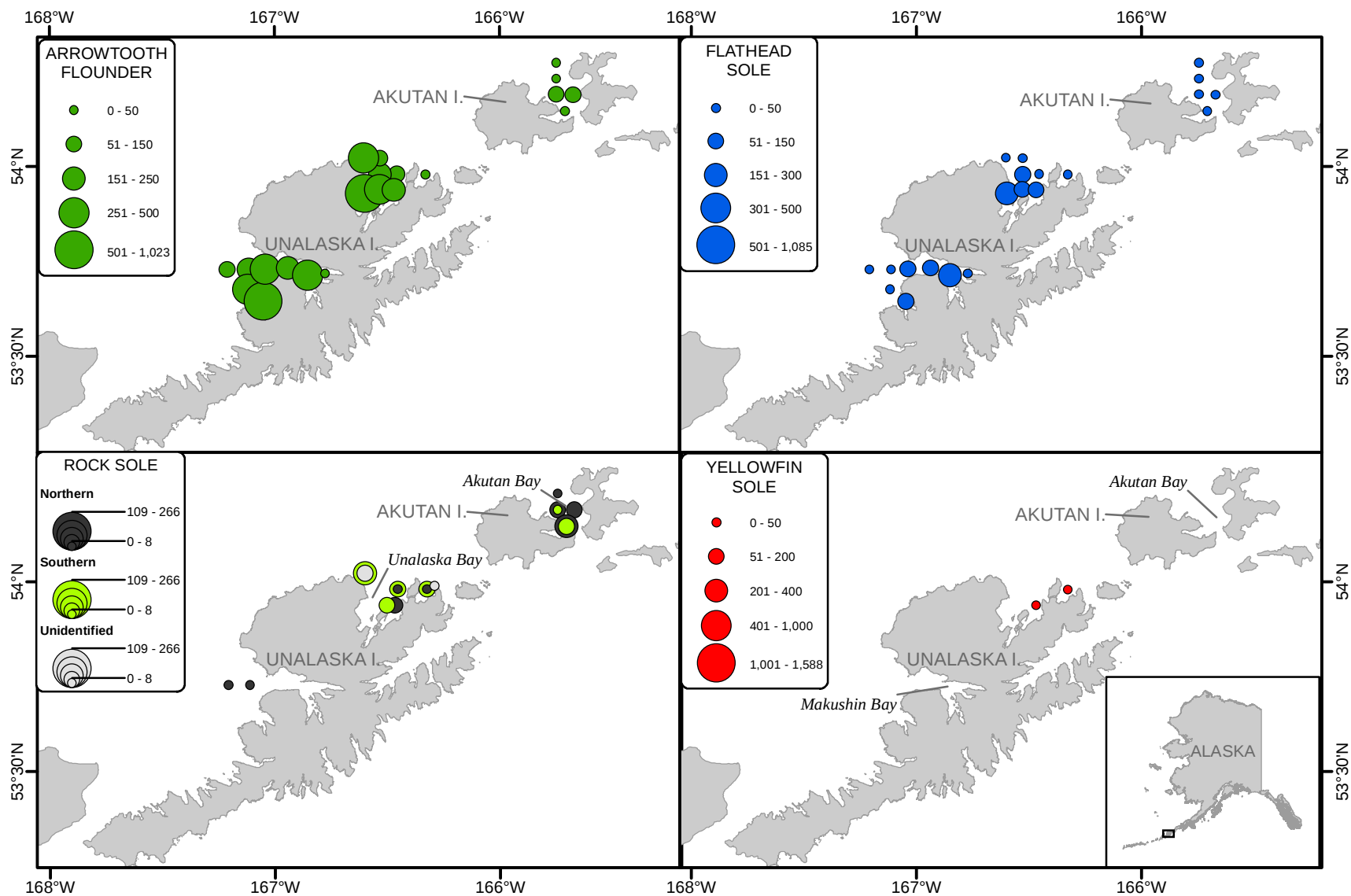


Figure 26.—Arrowtooth flounder, flathead sole, rock sole, and yellowfin sole catch in kilograms per kilometer towed from the 2017 Aleutian Islands District large-mesh bottom trawl survey.

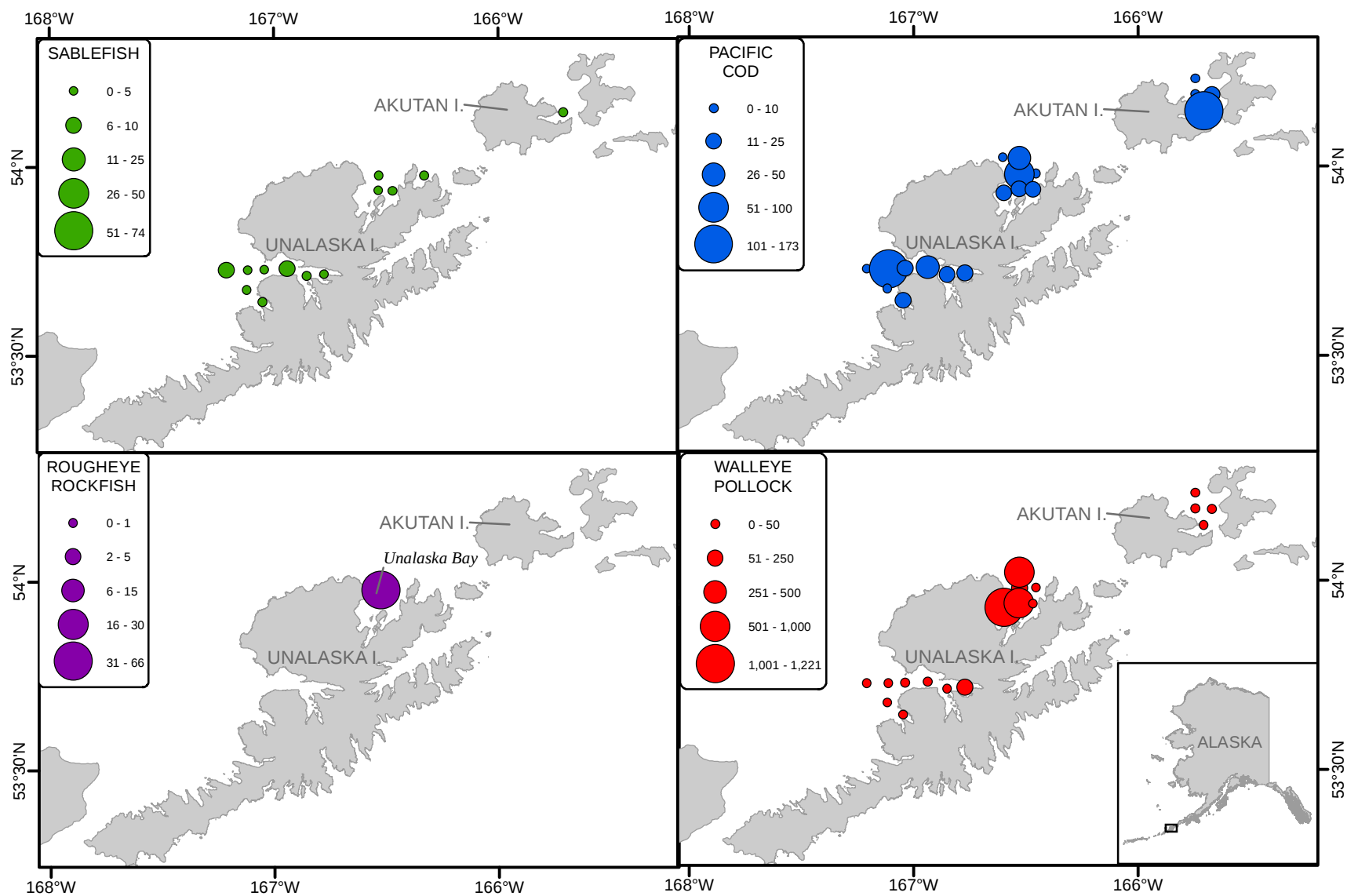


Figure 27.—Sablefish, Pacific cod, rougheye rockfish, and walleye pollock catch in kilograms per kilometer towed from the 2017 Aleutian Islands District large-mesh bottom trawl survey.

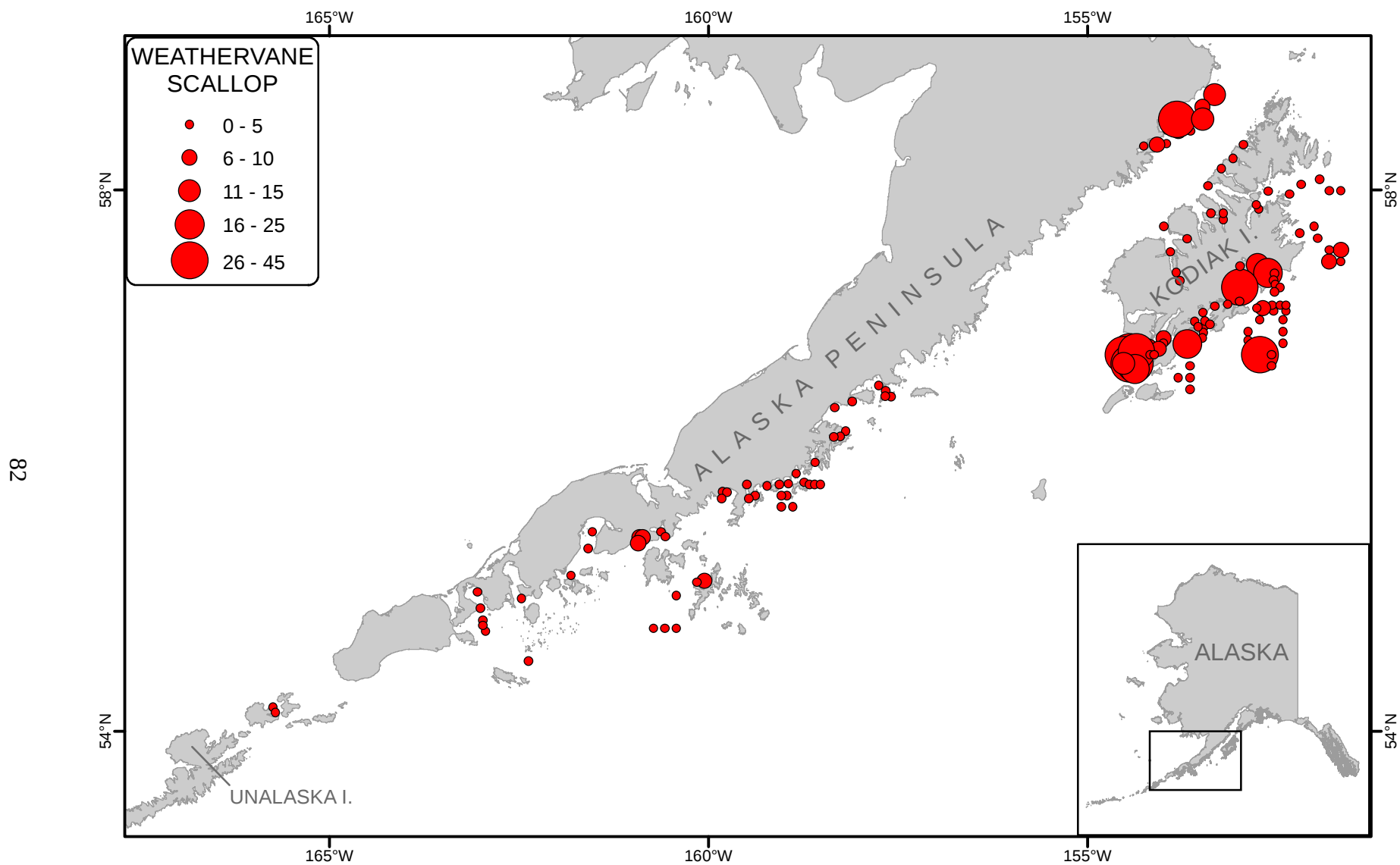


Figure 28.—Weathervane scallop catch in kilograms per kilometer towed from the 2017 large-mesh bottom trawl survey.

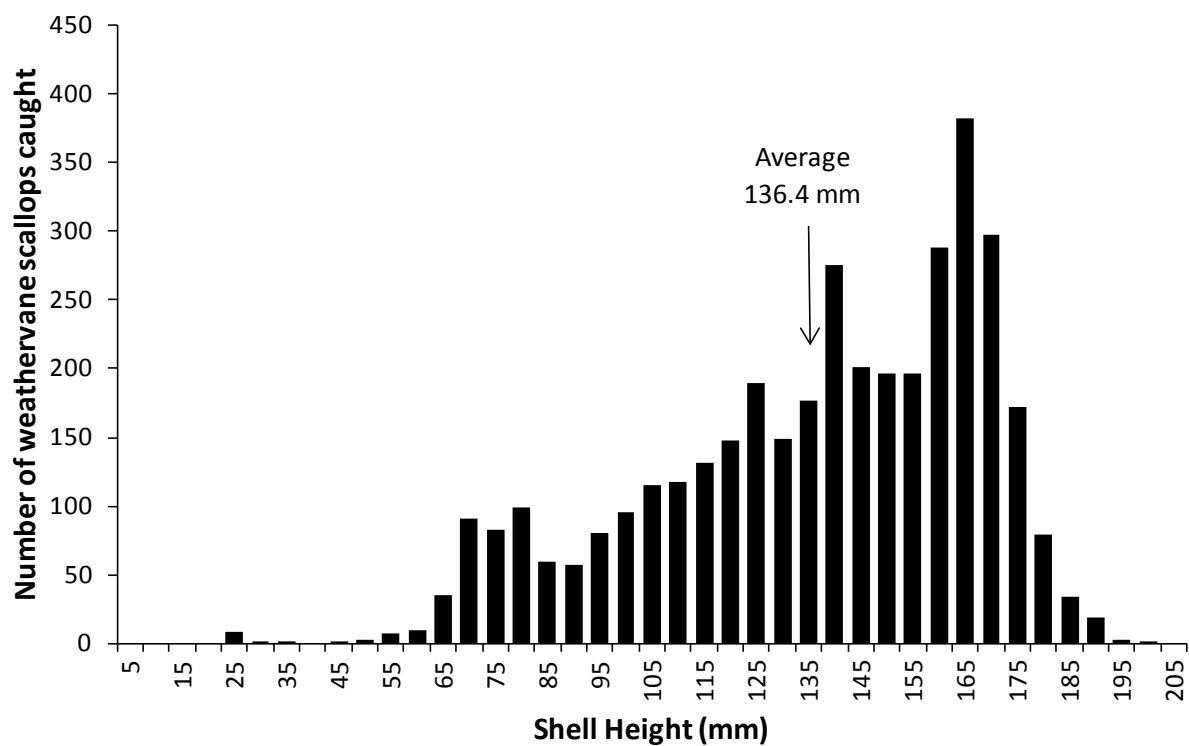


Figure 29.—Weathervane scallop shell height frequency from the 2017 large-mesh bottom trawl survey.

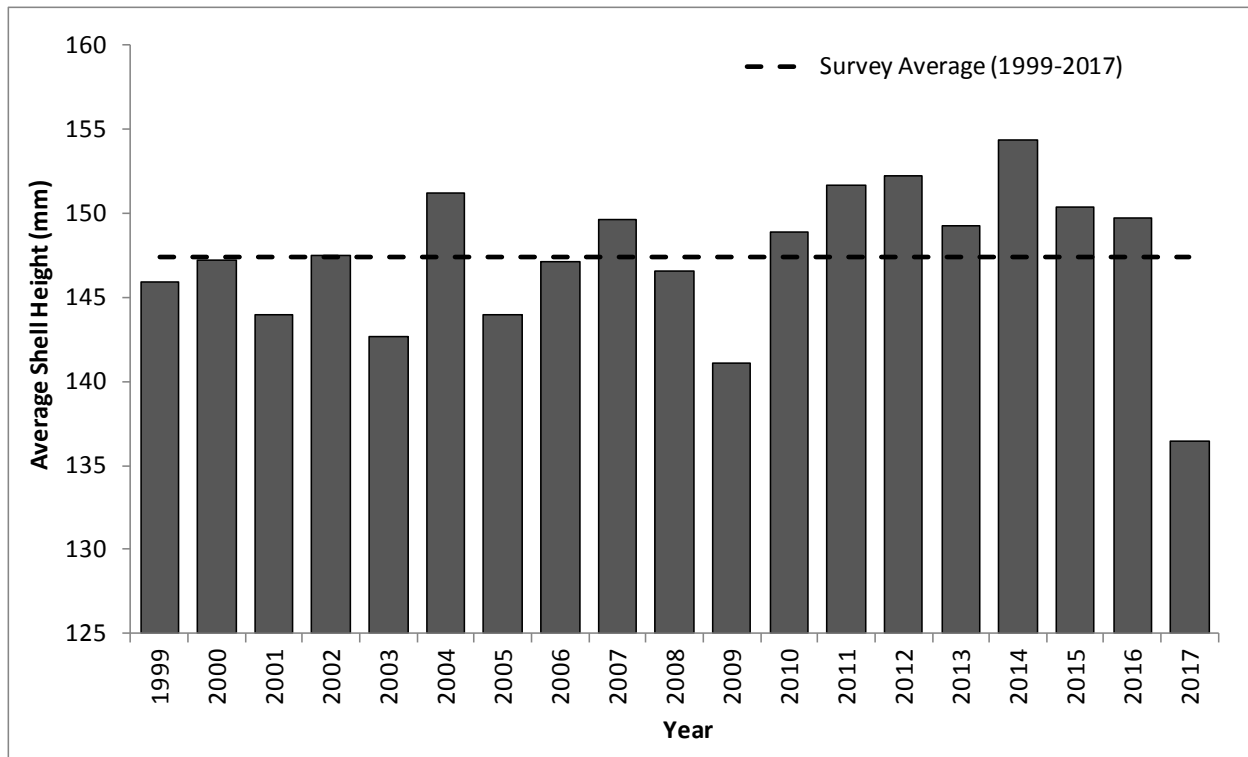


Figure 30.—Average weathervane scallop shell height from scallops caught on the large-mesh bottom trawl surveys, 1999–2017.

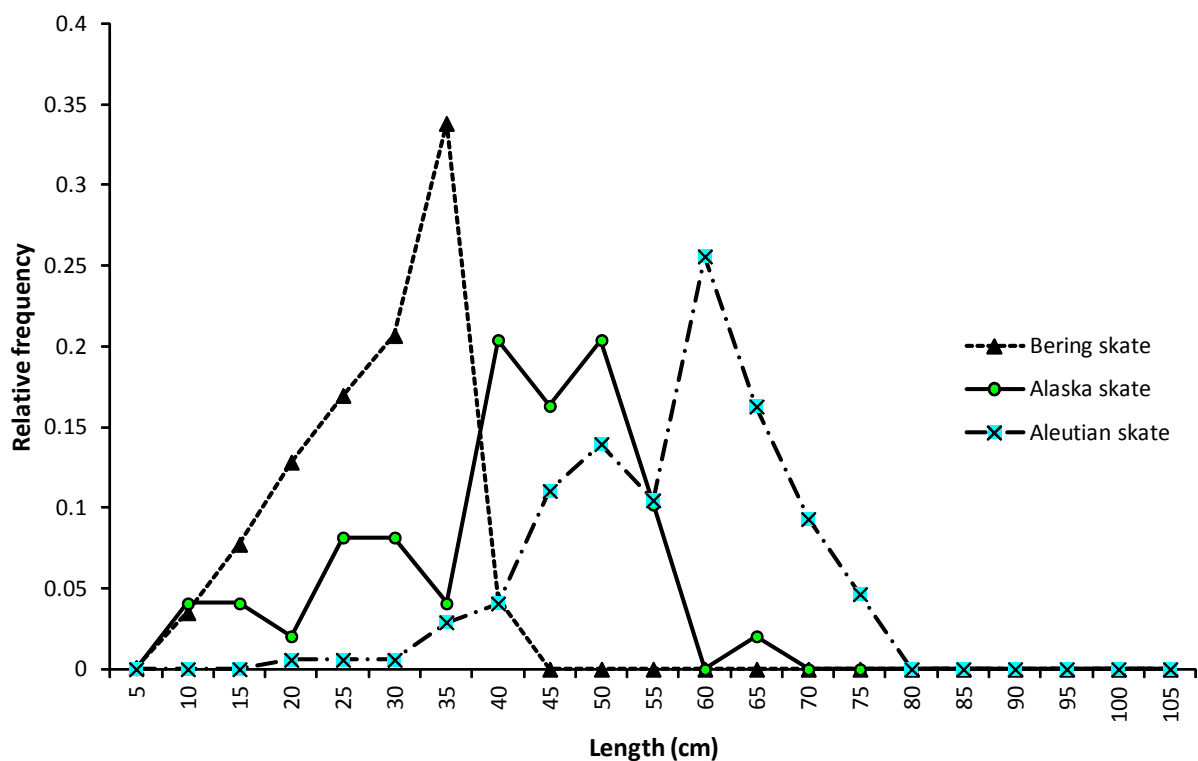
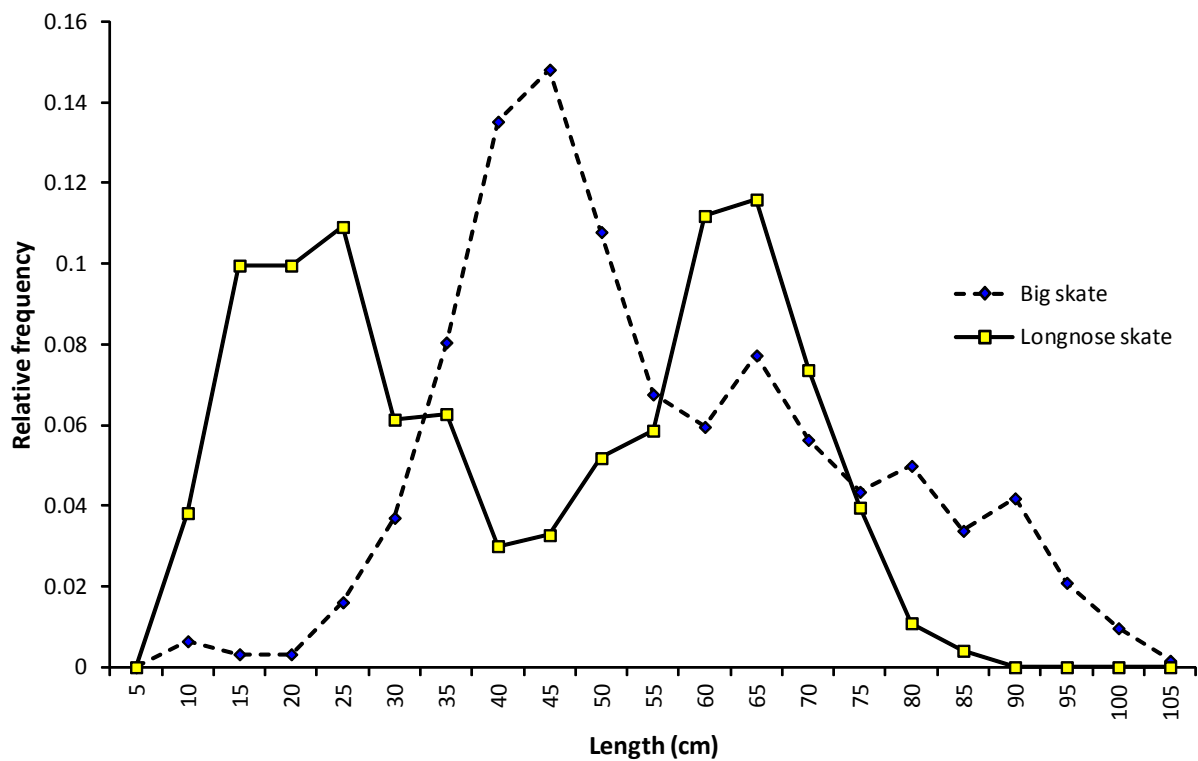


Figure 31.—Big, longnose, Bering, Alaska, and Aleutian skate relative size frequencies (snout to anterior notch of pectoral fin) from the 2017 large-mesh bottom trawl survey.

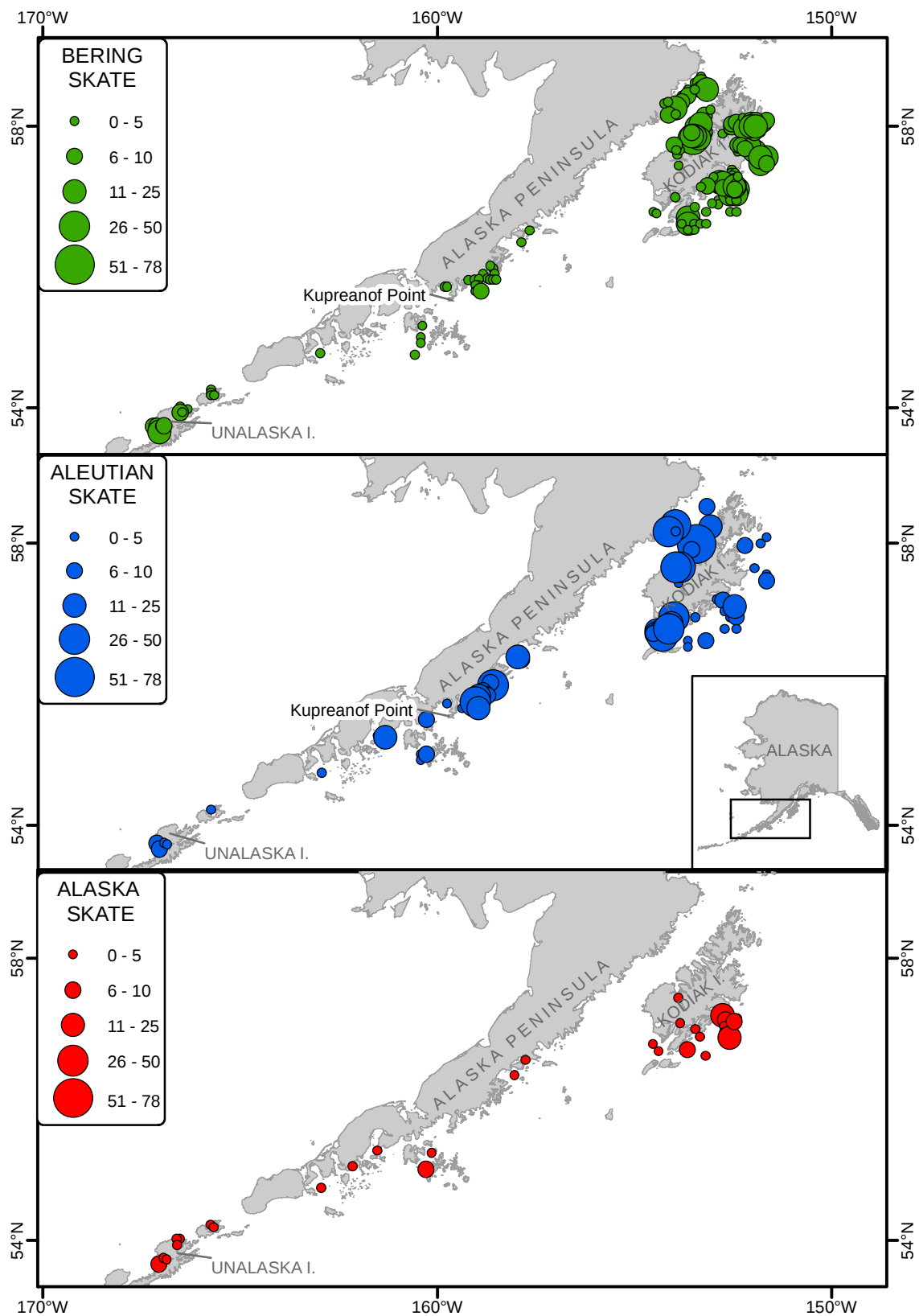


Figure 32.—Bering, Aleutian, and Alaska skate catch in kilograms per kilometer towed from the 2017 large-mesh bottom trawl survey.

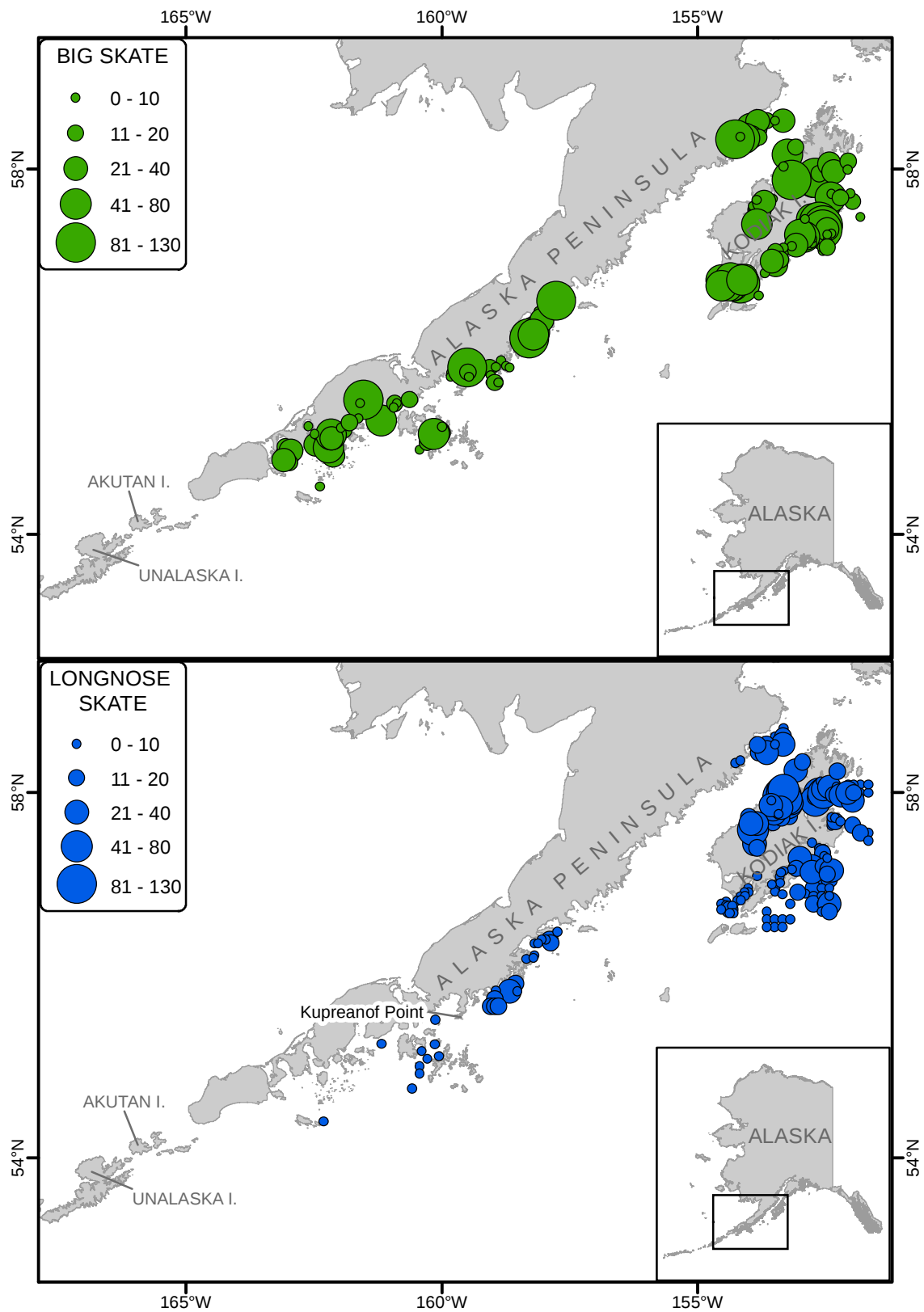


Figure 33.—Big and longnose skate catch in kilograms per kilometer towed from the 2017 large-mesh bottom trawl survey.

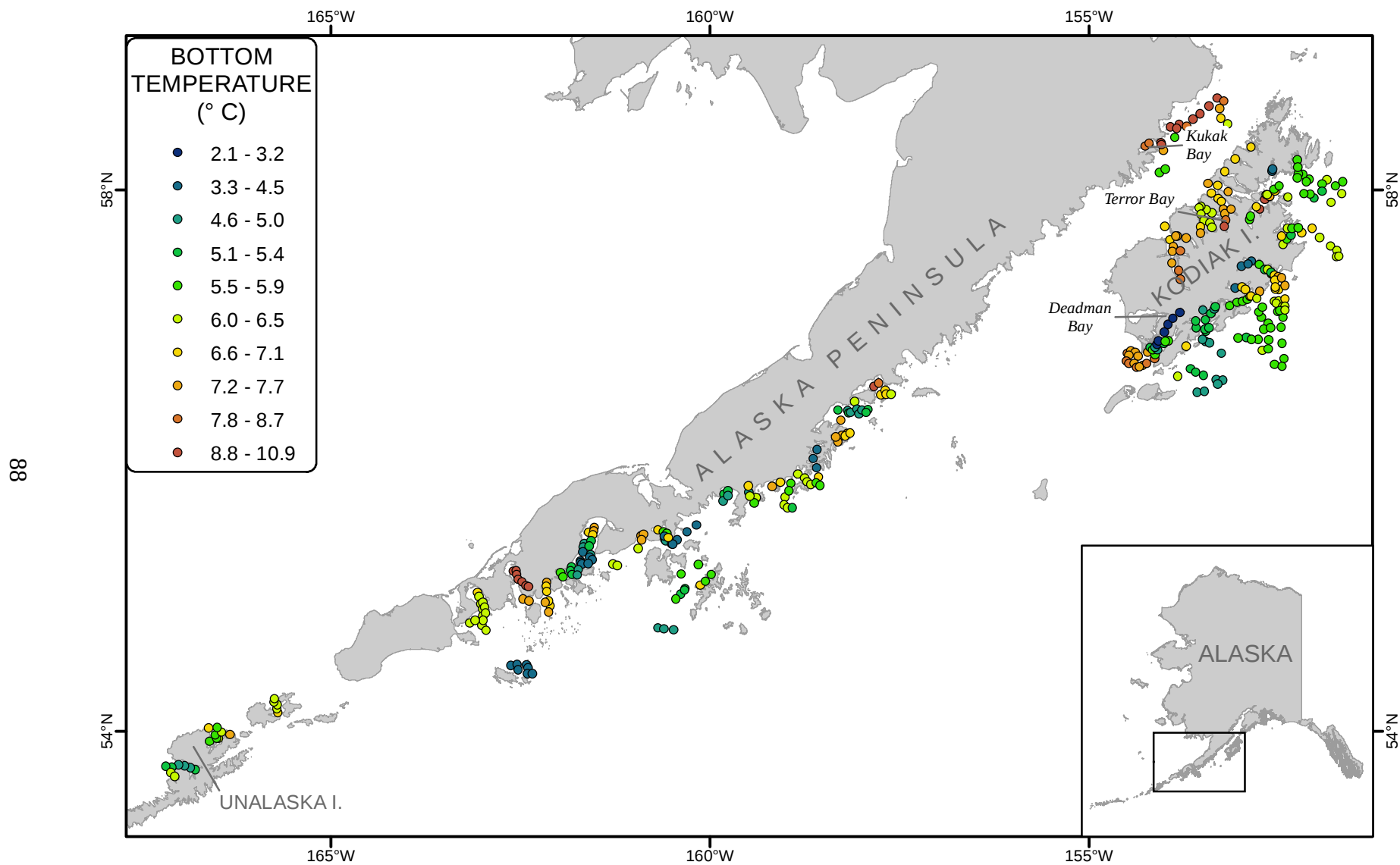


Figure 34.—Near-bottom water temperatures from the 2017 large-mesh bottom trawl survey.

## **APPENDIX A. GLOSSARY**

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

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**Large-mesh trawl survey: Definitions of terms**

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> spp. 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 nondiscrete 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 which 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 $\geq$ 165 mm CW. Red king crab postrecruit males are all legal-size crab that are old or very old/very very old, all males $\geq$ 164 mm CL in the Kodiak area, and all males $\geq$ 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 $\leq 164$ mm CL. For red king crab in the Alaska Peninsula and Aleutian Islands areas a recruit is legal-size, soft/new pliable, and $\leq 152$ mm CL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <i>shell condition</i>              | A description of the appearance of a crab's exoskeleton, and is 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>dandyline</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>         | Level of mature male 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 Tanner crab from 1967–1998 as determined using a combination of trawl survey data, commercial catch history, and pot survey catches, 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.                                |
| <i>molting mature male crab</i>    | Estimated abundance of 100% newshell and 15% oldshell male Tanner crab that are >114 mm carapace width.                                                                                                                           |
| <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>inclement weather</i>           | Severe, rough, harsh, or stormy.                                                                                                                                                                                                  |
| <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 one shell.                                                                                                                                                                |
| <u>Data Analysis Terms</u>         |                                                                                                                                                                                                                                   |
| <i>area swept</i>                  | The sea floor area sampled by the trawl during a haul.                                                                                                                                                                            |
| <i>catchability</i>                | The relationship between the proportion of a population available to the survey gear and the proportion of the population in the trawl path retained by the survey net.                                                           |

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|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <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>escapement</i>                 | The act of an organism in the trawl path evading capture by the trawl net.                                                             |
| <i>relative abundance indices</i> | Indices that track change in population size, but do not estimate actual population size.                                              |
| <i>size selectivity</i>           | The consequence of fishing gear capturing organisms of different sizes at different rates.                                             |
| <i>true abundance</i>             | The actual number of animals present in the area of interest.                                                                          |

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## **APPENDIX B. FISHING LOG AND TRAWL STATIONS SAMPLED**

Appendix B1.–2017 large-mesh bottom trawl survey fishing log.

| Haul                 | 1         | 1         | 2         | 2         | 3         | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10        | 11        |
|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 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.   | NE Kod.   |
| Month/day/year       | 5/31/2017 | 6/8/2017  | 5/31/2017 | 6/8/2017  | 5/31/2017 | 6/8/2017  | 6/12/2017 | 6/12/2017 | 6/12/2017 | 6/13/2017 | 6/13/2017 | 6/13/2017 | 6/13/2017 | 6/13/2017 |
| Station              | CHK       | CHB       | CHL       | CHA       | CHF       | CHE       | 313       | 314       | 285       | 255A      | 255B      | 256       | 257       | 284       |
| Longitude start (°W) | 152.3262  | 152.3893  | 152.2367  | 152.44    | 152.3375  | 152.4552  | 152.031   | 151.8053  | 151.6643  | 152.0902  | 151.9253  | 151.8607  | 151.653   | 151.7472  |
| Latitude start (°N)  | 57.7283   | 57.6512   | 57.733    | 57.6123   | 57.6828   | 57.6737   | 57.9398   | 57.9102   | 57.9705   | 58.0742   | 58.0387   | 58.0695   | 58.0575   | 58.0267   |
| Heading, degrees     | 107       | 44        | 57        | 32        | 42        | 41        | 112       | 347       | 353       | 161       | 309       | 101       | 357       | 201       |
| Average depth (m)    | 153.6     | 93.26     | 188.3     | 36.57     | 131.6     | 18.28     | 199.3     | 60.34     | 102.4     | 153.6     | 138.9     | 137.1     | 159       | 138.9     |
| Distance fished (km) | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.11      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      |
| Bottom Temp. (°C)    |           | 5.45      |           | 6.42      |           | 7.04      | 5.43      | 6.23      | 5.95      | 5.57      | 5.89      | 6.13      | 5.85      | 5.81      |
| Haul                 | 12        | 13        | 14        | 15        | 16        | 17        | 18        | 19        | 20        | 21        | 22        | 23        | 24        | 25        |
| 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.   | NE Kod.   |
| Month/day/year       | 6/13/2017 | 6/13/2017 | 6/14/2017 | 6/14/2017 | 6/14/2017 | 6/14/2017 | 6/14/2017 | 6/14/2017 | 6/15/2017 | 6/15/2017 | 6/15/2017 | 6/15/2017 | 6/15/2017 | 6/15/2017 |
| Station              | 283B      | 283A      | MOXA      | MOXB      | MOPA      | MOLA      | MOEX      | MOGX      | MOLB      | MOPB      | MONX      | KZS       | KZR       | KZO       |
| Longitude start (°W) | 151.9283  | 152.079   | 152.2497  | 152.2452  | 152.2383  | 152.1755  | 152.3715  | 152.164   | 152.131   | 152.2527  | 152.4885  | 152.582   | 152.587   | 152.5603  |
| Latitude start (°N)  | 57.9887   | 57.968    | 58.2095   | 58.1588   | 58.1095   | 58.1065   | 57.9487   | 57.9725   | 58.0565   | 58.0838   | 58.0258   | 58.1463   | 58.132    | 58.0015   |
| Heading, degrees     | 177       | 62        | 185       | 158       | 227       | 135       | 71        | 47        | 176       | 231       | 11        | 192       | 181       | 35        |
| Average depth (m)    | 173.7     | 177.3     | 164.5     | 168.2     | 168.2     | 201.1     | 128       | 175.5     | 153.6     | 166.4     | 195.6     | 109.7     | 117       | 201.1     |
| Distance fished (km) | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.29      | 1.85      | 1.85      | 1.85      | 1.85      | 1.48      | 1.85      | 1.85      |
| Bottom Temp. (°C)    | 5.32      | 5.47      | 5.73      | 5.74      | 5.65      | 5.61      | 6.34      | 5.62      | 5.6       | 5.64      | 5.83      | 3.98      | 3.73      | 5.81      |
| Haul                 | 26        | 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.   | E Kod.    |
| Month/day/year       | 6/16/2017 | 6/16/2017 | 6/16/2017 | 6/16/2017 | 6/16/2017 | 6/20/2017 | 6/20/2017 | 6/20/2017 | 6/20/2017 | 6/20/2017 | 6/20/2017 | 6/20/2017 | 6/20/2017 | 6/21/2017 |
| Station              | KZA       | KZB       | KZD       | KZF       | KZJ       | CHJ       | CHG       | 369X      | 395       | 420       | 421       | 444       | 443       | UGAC      |
| Longitude start (°W) | 152.8783  | 152.8643  | 152.7935  | 152.6633  | 152.651   | 152.3788  | 152.1958  | 152.0527  | 151.957   | 151.8115  | 151.7307  | 151.702   | 151.7358  | 152.9903  |
| Latitude start (°N)  | 57.7905   | 57.8165   | 57.88     | 57.9643   | 57.966    | 57.7282   | 57.6982   | 57.7302   | 57.6627   | 57.6033   | 57.5705   | 57.5302   | 57.5278   | 57.4605   |
| Heading, degrees     | 20        | 22        | 47        | 215       | 62        | 128       | 81        | 350       | 299       | 143       | 123       | 136       | 290       | 50        |
| Average depth (m)    | 45.71     | 54.86     | 98.75     | 128       | 131.6     | 91.43     | 111.5     | 115.2     | 206.6     | 137.1     | 133.4     | 159       | 146.2     | 36.57     |
| Distance fished (km) | 0.92      | 0.92      | 1.66      | 1.29      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.48      | 1.48      | 1.48      | 1.48      | 1.11      |
| Bottom Temp. (°C)    | 5.6       | 5.63      | 6.66      | 6.41      | 6.39      | 6.3       | 6.76      | 6.55      | 6.28      | 6.2       | 6.16      | 6.14      | 6.43      | 4.41      |
| Haul                 | 40        | 41        | 42        | 43        | 44        | 46        | 47        | 48        | 49        | 50        | 51        | 52        | 53        | 54        |
| 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.    | E Kod.    |
| Month/day/year       | 6/21/2017 | 6/21/2017 | 6/21/2017 | 6/21/2017 | 6/21/2017 | 6/22/2017 | 6/22/2017 | 6/22/2017 | 6/22/2017 | 6/22/2017 | 6/22/2017 | 6/22/2017 | 6/22/2017 | 6/22/2017 |
| Station              | UGAD      | UGAA      | UGB       | UGC       | UGD       | UGE       | UGF       | UGI       | UGG       | UGJ       | 486B      | 486A      | UGM       | 510D      |
| Longitude start (°W) | 152.8987  | 152.857   | 152.7547  | 152.6823  | 152.6422  | 152.5988  | 152.5533  | 152.5477  | 152.5043  | 152.4575  | 152.412   | 152.4937  | 152.5417  | 152.5383  |
| Latitude start (°N)  | 57.4758   | 57.4973   | 57.4732   | 57.4387   | 57.4378   | 57.4162   | 57.3968   | 57.3622   | 57.3857   | 57.3775   | 57.3225   | 57.2965   | 57.314    | 57.3      |
| Heading, degrees     | 87        | 129       | 160       | 138       | 124       | 168       | 211       | 337       | 92        | 191       | 164       | 5         | 6         | 184       |
| Average depth (m)    | 67.66     | 76.8      | 91.43     | 98.75     | 98.75     | 95.09     | 91.43     | 98.75     | 67.66     | 69.49     | 71.31     | 100.5     | 104.2     | 104.2     |
| Distance fished (km) | 1.66      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      |
| Bottom Temp. (°C)    | 3.95      | 3.85      | 5.66      | 5.22      | 6.34      | 5.32      | 6.79      | 6.56      | 7.58      | 7.1       | 7.21      | 6.64      | 6.58      | 6.56      |

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|                      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Haul                 | 55        | 56        | 57        | 58        | 59        | 60        | 61        | 62        | 63        | 64        | 65        | 66        | 67        | 68        |
| 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.    | E Kod.    |
| Month/day/year       | 6/23/2017 | 6/23/2017 | 6/23/2017 | 6/23/2017 | 6/23/2017 | 6/23/2017 | 6/23/2017 | 6/23/2017 | 6/24/2017 | 6/24/2017 | 6/24/2017 | 6/24/2017 | 6/24/2017 | 6/24/2017 |
| Station              | KLD       | 510C      | 511A      | 511B      | 535B      | 535D      | 535A      | 534BX     | KLL       | 533B      | 534DX     | 535C      | 561       | 589       |
| Longitude start (°W) | 152.747   | 152.5543  | 152.4943  | 152.4153  | 152.4147  | 152.4102  | 152.4477  | 152.5307  | 152.787   | 152.7135  | 152.5087  | 152.48    | 152.441   | 152.4647  |
| Latitude start (°N)  | 57.2798   | 57.2083   | 57.2112   | 57.2257   | 57.1747   | 57.1463   | 57.1695   | 57.1945   | 57.2283   | 57.1675   | 57.137    | 57.1428   | 57.0953   | 57.0238   |
| Heading, degrees     | 209       | 72        | 83        | 154       | 169       | 192       | 354       | 248       | 121       | 151       | 37        | 134       | 168       | 270       |
| Average depth (m)    | 23.77     | 93.26     | 106       | 78.63     | 126.1     | 135.3     | 137.1     | 104.2     | 133.4     | 142.6     | 129.8     | 146.2     | 151.7     | 142.6     |
| Distance fished (km) | 1.29      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.66      | 1.85      | 1.85      | 1.85      |
| Bottom Temp. (°C)    | 7.57      | 6.24      | 6.38      | 6.52      | 6.37      | 6.33      | 6.36      | 6.48      | 6.39      | 5.6       | 5.66      | 5.69      | 5.65      | 5.62      |
| Haul                 | 69        | 70        | 72        | 73        | 74        | 75        | 76        | 77        | 78        | 79        | 80        | 81        | 82        | 83        |
| Location             | E Kod.    | E Kod.    | E Kod.    | E Kod.    | E Kod.    | E Kod.    | E Kod.    | E Kod.    | E Kod.    | E Kod.    | SE Kod.   | SE Kod.   | SE Kod.   | SE Kod.   |
| Month/day/year       | 6/24/2017 | 6/24/2017 | 6/25/2017 | 6/25/2017 | 6/25/2017 | 6/25/2017 | 6/25/2017 | 6/25/2017 | 6/26/2017 | 6/26/2017 | 6/26/2017 | 6/26/2017 | 6/26/2017 | 6/27/2017 |
| Station              | 588       | 560       | KLA       | KLB       | KLC       | KLI       | KLH       | KLG       | KLF       | KLE       | THN       | THM       | THL       | THK       |
| Longitude start (°W) | 152.6055  | 152.6337  | 153.0718  | 152.9838  | 152.9403  | 152.862   | 152.9105  | 152.9778  | 153.0465  | 153.1418  | 153.3342  | 153.3478  | 153.3912  | 153.494   |
| Latitude start (°N)  | 57.0217   | 57.0503   | 57.3055   | 57.311    | 57.2958   | 57.2458   | 57.2225   | 57.21     | 57.2017   | 57.1755   | 57.1692   | 57.1535   | 57.1217   | 57.1452   |
| Heading, degrees     | 272       | 342       | 90        | 144       | 152       | 129       | 258       | 226       | 250       | 60        | 204       | 219       | 200       | 192       |
| Average depth (m)    | 153.6     | 153.6     | 93.26     | 82.29     | 93.26     | 124.3     | 133.4     | 122.5     | 117       | 115.2     | 113.3     | 124.3     | 126.1     | 104.2     |
| Distance fished (km) | 1.85      | 1.85      | 1.11      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.66      | 1.48      | 1.66      | 1.85      |
| Bottom Temp. (°C)    | 5.62      | 5.6       | 3.62      | 6.62      | 6.52      | 6.67      | 5.85      | 5.7       | 5.57      | 5.92      | 5.05      | 4.92      | 5.01      | 4.7       |
| Haul                 | 84        | 85        | 86        | 87        | 88        | 89        | 90        | 91        | 92        | 93        | 94        | 95        | 96        | 97        |
| Location             | SE Kod.   | 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       | 6/27/2017 | 6/27/2017 | 6/27/2017 | 6/27/2017 | 6/27/2017 | 6/27/2017 | 6/28/2017 | 6/28/2017 | 6/28/2017 | 6/28/2017 | 6/28/2017 | 6/28/2017 | 6/28/2017 | 6/28/2017 |
| Station              | THJ       | THI       | THFA      | THG       | THH       | THDX      | ALD       | ALBX      | 646D      | 646B      | 646A      | 645B      | 646C      | 682B      |
| Longitude start (°W) | 153.4612  | 153.5903  | 153.5823  | 153.4713  | 153.4167  | 153.4587  | 154.1898  | 154.2252  | 154.352   | 154.3897  | 154.4502  | 154.4957  | 154.4712  | 154.5052  |
| Latitude start (°N)  | 57.0748   | 57.0685   | 57.0213   | 57.0085   | 57.02     | 56.9968   | 56.8785   | 56.8418   | 56.813    | 56.8422   | 56.8522   | 56.8362   | 56.8192   | 56.7777   |
| Heading, degrees     | 171       | 109       | 71        | 62        | 353       | 213       | 188       | 115       | 273       | 359       | 252       | 199       | 141       | 197       |
| Average depth (m)    | 115.2     | 89.6      | 76.8      | 120.6     | 118.8     | 128       | 58.51     | 40.23     | 54.86     | 58.51     | 65.83     | 64        | 65.83     | 71.31     |
| Distance fished (km) | 1.85      | 0.92      | 1.48      | 1.66      | 1.85      | 1.85      | 1.85      | 1.85      | 2.03      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      |
| Bottom Temp. (°C)    | 5.07      | 5.42      | 5.3       | 5.11      | 5.33      | 5.08      | 5.3       | 7.21      | 7.34      | 7.3       | 7.31      | 8.15      | 7.26      | 8.03      |
| Haul                 | 98        | 99        | 100       | 101       | 102       | 103       | 104       | 105       | 106       | 107       | 108       | 109       | 110       | 111       |
| 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.   | SW Kod.   |
| Month/day/year       | 6/28/2017 | 6/28/2017 | 6/29/2017 | 6/29/2017 | 6/29/2017 | 6/29/2017 | 6/29/2017 | 6/29/2017 | 6/29/2017 | 6/29/2017 | 6/30/2017 | 6/30/2017 | 6/30/2017 | 6/30/2017 |
| Station              | 683A      | 683B      | ALF       | ALA       | 684B      | 684A      | 683D      | 684C      | ALCA      | ALG       | ALR       | ALQ       | ALP       | ALO       |
| Longitude start (°W) | 154.4763  | 154.4018  | 154.1635  | 154.1335  | 154.2353  | 154.2863  | 154.3735  | 154.3358  | 154.129   | 154.094   | 153.8038  | 153.8925  | 153.9558  | 154.0077  |
| Latitude start (°N)  | 56.7622   | 56.7623   | 56.8577   | 56.797    | 56.7617   | 56.7458   | 56.7327   | 56.7375   | 56.8235   | 56.8608   | 57.1285   | 57.0868   | 57.0443   | 56.9873   |
| Heading, degrees     | 84        | 102       | 1         | 218       | 40        | 274       | 117       | 82        | 8         | 54        | 225       | 215       | 209       | 212       |
| Average depth (m)    | 65.83     | 64        | 54.86     | 60.34     | 73.14     | 62.17     | 71.31     | 69.49     | 67.66     | 58.51     | 118.8     | 175.5     | 155.4     | 133.4     |
| Distance fished (km) | 1.85      | 1.85      | 1.85      | 1.66      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      |
| Bottom Temp. (°C)    | 7.78      | 7.48      | 5.46      | 8.64      | 7.94      | 7.41      | 7.78      | 7.34      | 5.56      | 4.86      | 2.17      | 2.13      | 2.14      | 2.15      |

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|                      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Haul                 | 112       | 113       | 114       | 115       | 116       | 117       | 118       | 119       | 120       | 121       | 122       | 123       | 124       | 125       |
| Location             | SW Kod.   | SW Kod.   | SW Kod.   | SW Kod.   | SW Kod.   | SW Kod.   | SE Kod.   | SE Kod.   | SE Kod.   | SE Kod.   | SE Kod.   | SE Kod.   | SE Kod.   | SE Kod.   |
| Month/day/year       | 6/30/2017 | 6/30/2017 | 6/30/2017 | 7/1/2017  | 7/1/2017  | 7/1/2017  | 7/1/2017  | 7/1/2017  | 7/1/2017  | 7/2/2017  | 7/2/2017  | 7/2/2017  | 7/2/2017  | 7/2/2017  |
| Station              | ALL       | ALM       | ALK       | ALJ       | ALH       | ALI       | 725       | 688       | 726       | 727       | 759       | 760       | 728       | 761       |
| Longitude start (°W) | 154.0843  | 153.9958  | 153.951   | 154.0127  | 154.1295  | 154.1002  | 153.8282  | 153.6605  | 153.5888  | 153.489   | 153.569   | 153.4785  | 153.3247  | 153.3027  |
| Latitude start (°N)  | 56.9253   | 56.9225   | 56.9272   | 56.9098   | 56.8813   | 56.901    | 56.6678   | 56.7213   | 56.6967   | 56.6752   | 56.5517   | 56.5608   | 56.6433   | 56.612    |
| Heading, degrees     | 43        | 50        | 65        | 220       | 38        | 39        | 52        | 101       | 160       | 166       | 204       | 49        | 43        | 93        |
| Average depth (m)    | 87.77     | 67.66     | 69.49     | 71.31     | 65.83     | 82.29     | 98.75     | 151.7     | 155.4     | 149.9     | 148.1     | 131.6     | 146.2     | 140.8     |
| Distance fished (km) | 1.85      | 1.85      | 1.66      | 1.85      | 1.85      | 1.85      | 1.29      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      |
| Bottom Temp. (°C)    | 2.51      | 5.45      | 5.66      | 5.15      | 4.75      | 3.18      | 6.16      | 5.26      | 5.07      | 5.03      | 4.93      | 4.99      | 4.73      | 4.84      |
| Haul                 | 126       | 127       | 128       | 129       | 130       | 131       | 132       | 133       | 134       | 135       | 136       | 137       | 138       | 139       |
| Location             | SE Kod.   | SE Kod.   | SE Kod.   | SE Kod.   | SE Kod.   | SE Kod.   | SE Kod.   | SE Kod.   | SE Kod.   | E Kod.    | E Kod.    | E Kod.    | E Kod.    | E Kod.    |
| Month/day/year       | 7/2/2017  | 7/2/2017  | 7/3/2017  | 7/3/2017  | 7/3/2017  | 7/3/2017  | 7/3/2017  | 7/3/2017  | 7/3/2017  | 7/3/2017  | 7/4/2017  | 7/4/2017  | 7/4/2017  | 7/4/2017  |
| Station              | 729       | 651       | THA       | THCX      | 614       | 615       | 585X      | 586       | 618A      | 619       | 587       | 620       | 655       | 654       |
| Longitude start (°W) | 153.2347  | 153.2487  | 153.7158  | 153.4997  | 153.463   | 153.4123  | 153.0322  | 152.9253  | 152.857   | 152.7637  | 152.6937  | 152.6298  | 152.6343  | 152.7147  |
| Latitude start (°N)  | 56.6425   | 56.8337   | 56.8868   | 56.9355   | 56.9225   | 56.9122   | 56.947    | 56.9512   | 56.9368   | 56.9355   | 57.0083   | 56.9327   | 56.8647   | 56.8547   |
| Heading, degrees     | 23        | 347       | 65        | 359       | 168       | 185       | 78        | 54        | 56        | 116       | 167       | 142       | 106       | 313       |
| Average depth (m)    | 144.4     | 170       | 51.2      | 133.4     | 142.6     | 144.4     | 135.3     | 128       | 126.1     | 135.3     | 148.1     | 151.7     | 137.1     | 98.75     |
| Distance fished (km) | 1.85      | 1.85      | 1.66      | 1.85      | 1.85      | 1.85      | 1.85      | 1.66      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.29      |
| Bottom Temp. (°C)    | 4.71      | 4.77      | 6.66      | 4.94      | 4.92      | 4.89      | 5.79      | 5.13      | 5.86      | 5.77      | 5.7       | 5.71      | 5.76      | 6.1       |
| Haul                 | 140       | 141       | 142       | 143       | 144       | 145       | 146       | 147       | 148       | 149       | 150       | 151       | 152       | 153       |
| Location             | E Kod.    | E Kod.    | E Kod.    | E Kod.    | E Kod.    | E Kod.    | Kujulik   | Kujulik   | Kujulik   | Kujulik   | Kujulik   | Kujulik   | Chignik   | Chignik   |
| Month/day/year       | 7/4/2017  | 7/4/2017  | 7/4/2017  | 7/4/2017  | 7/5/2017  | 7/5/2017  | 7/14/2017 | 7/14/2017 | 7/14/2017 | 7/14/2017 | 7/14/2017 | 7/15/2017 | 7/15/2017 | 7/15/2017 |
| Station              | 695       | 696       | 656       | 621       | 533A      | 559       | 4308      | 4302      | 4301      | 4298      | 4290      | 4296      | 4286      | 4287      |
| Longitude start (°W) | 152.5552  | 152.4533  | 152.4287  | 152.4528  | 152.756   | 152.7283  | 157.6132  | 157.6758  | 157.6887  | 157.7482  | 157.8327  | 157.772   | 157.9115  | 157.9357  |
| Latitude start (°N)  | 56.754    | 56.7385   | 56.7963   | 56.9083   | 57.1333   | 57.0953   | 56.54     | 56.5402   | 56.5667   | 56.535    | 56.5958   | 56.62     | 56.426    | 56.403    |
| Heading, degrees     | 170       | 138       | 341       | 4         | 121       | 223       | 165       | 124       | 150       | 91        | 315       | 149       | 92        | 62        |
| Average depth (m)    | 146.2     | 181       | 171.8     | 157.2     | 146.2     | 155.4     | 126.1     | 98.75     | 98.75     | 93.26     | 29.25     | 76.8      | 166.4     | 192       |
| Distance fished (km) | 1.85      | 1.85      | 1.66      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.11      | 1.85      | 1.85      | 1.85      |
| Bottom Temp. (°C)    | 5.72      | 5.72      | 5.74      | 5.73      | 5.68      | 5.69      | 6.4       | 6.6       | 6.77      | 7.02      | 8.96      | 8.4       | 5.28      | 5.04      |
| Haul                 | 154       | 155       | 156       | 157       | 158       | 160       | 161       | 162       | 163       | 164       | 165       | 166       | 167       | 168       |
| Location             | Chignik   | Chignik   | Chignik   | Chignik   | Chignik   | Chignik   | Chignik   | Chignik   | Chignik   | Chignik   | Chignik   | Chignik   | Chignik   | Chignik   |
| Month/day/year       | 7/15/2017 | 7/15/2017 | 7/15/2017 | 7/15/2017 | 7/15/2017 | 7/16/2017 | 7/16/2017 | 7/16/2017 | 7/16/2017 | 7/16/2017 | 7/16/2017 | 7/16/2017 | 7/17/2017 | 7/17/2017 |
| Station              | 4282      | 4277      | 4272      | 4266      | 4256      | 4267      | 4274      | 4278      | 4312      | 4270      | 4271      | 4264      | 4964      | 4265      |
| Longitude start (°W) | 157.9985  | 158.0578  | 158.0925  | 158.1793  | 158.3072  | 158.1668  | 158.1412  | 158.0345  | 158.1478  | 158.1873  | 158.2135  | 158.2585  | 158.341   | 158.3063  |
| Latitude start (°N)  | 56.4213   | 56.4287   | 56.4868   | 56.419    | 56.421    | 56.4002   | 56.4052   | 56.392    | 56.2553   | 56.2502   | 56.2333   | 56.2363   | 56.2245   | 56.1907   |
| Heading, degrees     | 91        | 162       | 152       | 254       | 276       | 302       | 108       | 330       | 87        | 75        | 62        | 203       | 94        | 31        |
| Average depth (m)    | 199.3     | 181       | 106       | 153.6     | 96.92     | 122.5     | 170       | 192       | 126.1     | 98.75     | 96.92     | 76.8      | 71.31     | 58.51     |
| Distance fished (km) | 1.85      | 1.85      | 1.66      | 1.85      | 1.11      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      |
| Bottom Temp. (°C)    | 4.88      | 4.87      | 5.95      | 4.81      | 5.31      | 5.16      | 4.86      | 4.69      | 6.89      | 7.08      | 7         | 7.21      | 7.57      | 7.51      |

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## Appendix B1.–Page 4 of 7.

|                      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Haul                 | 169       | 170       | 171       | 172       | 173       | 174       | 175       | 176       | 177       | 178       | 179       | 180       | 181       | 182       |
| Location             | Mitro.    | Mitro.    | Mitro.    | Mitro.    | Mitro.    | Mitro.    | Mitro.    | Mitro.    | Mitro.    | Mitro.    | Mitro.    | Mitro.    | Mitro.    | Mitro.    |
| Month/day/year       | 7/17/2017 | 7/17/2017 | 7/17/2017 | 7/17/2017 | 7/18/2017 | 7/18/2017 | 7/18/2017 | 7/18/2017 | 7/18/2017 | 7/18/2017 | 7/18/2017 | 7/18/2017 | 7/19/2017 | 7/19/2017 |
| Station              | 4066B     | 4066A     | 4050B     | 4065      | 4063      | 4048      | 4064      | 4050A     | 4049      | 4035      | 4036      | 4037      | 4026      | 4038A     |
| Longitude start (°W) | 158.5473  | 158.5985  | 158.6655  | 158.566   | 158.5822  | 158.6338  | 158.5928  | 158.7198  | 158.749   | 158.8437  | 158.9317  | 158.9582  | 159.0213  | 158.9753  |
| Latitude start (°N)  | 55.868    | 55.8868   | 55.8745   | 55.9295   | 56.1323   | 56.064    | 55.9958   | 55.8948   | 55.9207   | 55.9522   | 55.8828   | 55.83     | 55.7238   | 55.7005   |
| Heading, degrees     | 352       | 182       | 11        | 4         | 232       | 184       | 344       | 306       | 293       | 115       | 202       | 195       | 219       | 31        |
| Average depth (m)    | 118.8     | 118.8     | 117       | 106       | 153.6     | 171.8     | 153.6     | 138.9     | 144.4     | 140.8     | 129.8     | 129.8     | 142.6     | 146.2     |
| Distance fished (km) | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.66      | 1.85      |
| Bottom Temp. (°C)    | 5.84      | 5.83      | 6.21      | 6.61      | 3.96      | 3.86      | 4.27      | 6.04      | 5.95      | 6.1       | 5.6       | 5.84      | 5.94      | 6.08      |
| Haul                 | 183       | 184       | 185       | 186       | 187       | 188       | 189       | 190       | 191       | 192       | 193       | 194       | 195       | 196       |
| Location             | Mitro.    | Ivanof    | Ivanof    | Ivanof    | Ivanof    | Ivanof    | Ivanof    | Ivanof    | Ivanof    | Stepovak  | Stepovak  | Stepovak  | Stepovak  | Beaver    |
| Month/day/year       | 7/19/2017 | 7/19/2017 | 7/19/2017 | 7/19/2017 | 7/19/2017 | 7/20/2017 | 7/20/2017 | 7/20/2017 | 7/20/2017 | 7/20/2017 | 7/20/2017 | 7/20/2017 | 7/20/2017 | 7/21/2017 |
| Station              | 4038B     | 4025      | 4024      | 4915      | 4007      | 4900X     | 4000X     | 4000Y     | 4008      | STD       | STA       | STB       | STE       | 368A      |
| Longitude start (°W) | 158.912   | 159.0087  | 159.0693  | 159.1797  | 159.3922  | 159.4957  | 159.4878  | 159.4743  | 159.4192  | 159.8255  | 159.8143  | 159.7643  | 159.7657  | 160.1812  |
| Latitude start (°N)  | 55.7027   | 55.7828   | 55.8913   | 55.8618   | 55.778    | 55.863    | 55.8192   | 55.7873   | 55.7375   | 55.7533   | 55.8023   | 55.8282   | 55.7915   | 55.5725   |
| Heading, degrees     | 209       | 8         | 135       | 223       | 205       | 72        | 163       | 116       | 174       | 17        | 3         | 173       | 192       | 223       |
| Average depth (m)    | 149.9     | 126.1     | 98.75     | 64        | 87.77     | 38.4      | 71.31     | 84.12     | 104.2     | 120.6     | 104.2     | 111.5     | 122.5     | 181       |
| Distance fished (km) | 1.66      | 1.85      | 1.85      | 2.03      | 1.85      | 0.92      | 1.85      | 1.85      | 1.85      | 1.48      | 1.48      | 1.66      | 1.48      | 1.85      |
| Bottom Temp. (°C)    | 5.12      | 5.99      | 6.63      | 7.31      | 6.25      | 6.98      | 4.95      | 6.34      | 5.61      | 4.77      | 5.16      | 5.24      | 4.57      | 4.34      |
| Haul                 | 197       | 198       | 199       | 200       | 201       | 202       | 203       | 204       | 205       | 206       | 207       | 208       | 209       | 210       |
| Location             | Beaver    | Beaver    | Beaver    | Beaver    | Beaver    | Beaver    | Beaver    | Beaver    | Beaver    | Beaver    | Beaver    | W. Nagai  | W. Nagai  | W. Nagai  |
| Month/day/year       | 7/21/2017 | 7/21/2017 | 7/21/2017 | 7/21/2017 | 7/21/2017 | 7/21/2017 | 7/21/2017 | 7/21/2017 | 7/22/2017 | 7/22/2017 | 7/22/2017 | 7/23/2017 | 7/23/2017 | 7/23/2017 |
| Station              | 348       | 329B      | 329C      | 311C      | 311B      | BAF       | BAD       | BAA       | BAC       | BAE       | 311A      | 332B      | 354       | 334       |
| Longitude start (°W) | 160.3013  | 160.4287  | 160.4895  | 160.5032  | 160.5828  | 160.553   | 160.572   | 160.6828  | 160.615   | 160.6015  | 160.5933  | 160.375   | 160.334   | 160.3862  |
| Latitude start (°N)  | 55.5225   | 55.4632   | 55.429    | 55.4333   | 55.4567   | 55.478    | 55.51     | 55.5345   | 55.519    | 55.4865   | 55.4677   | 55.2047   | 55.0815   | 55.053    |
| Heading, degrees     | 61        | 45        | 69        | 277       | 94        | 334       | 310       | 305       | 180       | 182       | 182       | 18        | 210       | 230       |
| Average depth (m)    | 188.3     | 177.3     | 131.6     | 135.3     | 137.1     | 84.12     | 95.09     | 31.08     | 98.75     | 118.8     | 122.5     | 184.6     | 140.8     | 149.9     |
| Distance fished (km) | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 0.92      | 1.85      | 1.85      | 1.85      | 1.48      | 1.85      | 1.85      |
| Bottom Temp. (°C)    | 3.84      | 3.92      | 4.48      | 4.44      | 4.7       | 6.71      | 5.68      | 6.87      | 5.78      | 4.34      | 4.26      | 5.51      | 5.29      | 5.27      |
| Haul                 | 211       | 212       | 213       | 214       | 215       | 216       | 217       | 218       | 219       | 220       | 221       | 222       | 223       | 224       |
| Location             | W. Nagai  | W. Nagai  | W. Nagai  | W. Nagai  | W. Nagai  | W. Nagai  | W. Nagai  | W. Nagai  | W. Nagai  | Beaver    | Beaver    | Beaver    | Beaver    | Pavlof    |
| Month/day/year       | 7/23/2017 | 7/23/2017 | 7/23/2017 | 7/23/2017 | 7/24/2017 | 7/24/2017 | 7/24/2017 | 7/24/2017 | 7/24/2017 | 7/25/2017 | 7/25/2017 | 7/25/2017 | 7/25/2017 | 7/25/2017 |
| Station              | 335       | 337       | 318       | 301       | 373A      | 353       | 373B      | 393       | 371       | BVB       | BVA       | BVC       | 278       | 245       |
| Longitude start (°W) | 160.4478  | 160.479   | 160.6062  | 160.6877  | 160.1267  | 160.3243  | 160.0563  | 159.9795  | 160.1503  | 160.8742  | 160.908   | 160.9002  | 160.945   | 161.221   |
| Latitude start (°N)  | 55.0157   | 54.7798   | 54.7863   | 54.7958   | 55.1195   | 55.0938   | 55.1497   | 55.1982   | 55.2773   | 55.5018   | 55.4925   | 55.4628   | 55.3965   | 55.2702   |
| Heading, degrees     | 227       | 217       | 292       | 285       | 319       | 221       | 322       | 343       | 310       | 206       | 190       | 209       | 185       | 290       |
| Average depth (m)    | 135.3     | 109.7     | 109.7     | 111.5     | 27.43     | 151.7     | 76.8      | 76.8      | 135.3     | 36.57     | 45.71     | 85.94     | 111.5     | 82.29     |
| Distance fished (km) | 1.85      | 1.48      | 1.48      | 1.48      | 1.48      | 1.85      | 1.85      | 1.48      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      |
| Bottom Temp. (°C)    | 5.64      | 4.67      | 4.63      | 4.56      | 6.95      | 5.2       | 5.52      | 5.45      | 5.69      | 7.54      | 7.27      | 7.17      | 6.15      | 6.28      |

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|                      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Haul                 | 225       | 226       | 227       | 228       | 229       | 230       | 231       | 232       | 233       | 234       | 235       | 236       | 237       | 238       |
| Location             | Pavlof    | Pavlof    | Pavlof    | Pavlof    | Pavlof    | Pavlof    | Pavlof    | Pavlof    | Pavlof    | Pavlof    | Pavlof    | Pavlof    | Pavlof    | Pavlof    |
| Month/day/year       | 7/25/2017 | 7/26/2017 | 7/26/2017 | 7/26/2017 | 7/26/2017 | 7/26/2017 | 7/26/2017 | 7/26/2017 | 7/26/2017 | 7/26/2017 | 7/26/2017 | 7/27/2017 | 7/27/2017 | 7/27/2017 |
| Station              | 228       | PAOB      | PAH       | PAEX      | PAIX      | PALX      | PAP       | PARB      | PAV       | VOBX      | VOD       | PARA      | PAU       | VOA       |
| Longitude start (°W) | 161.2815  | 161.6548  | 161.6028  | 161.5263  | 161.529   | 161.5417  | 161.5692  | 161.591   | 161.5755  | 161.5847  | 161.5497  | 161.6675  | 161.675   | 161.7105  |
| Latitude start (°N)  | 55.2797   | 55.4337   | 55.5155   | 55.552    | 55.5288   | 55.4988   | 55.4563   | 55.4142   | 55.3515   | 55.3332   | 55.3147   | 55.4088   | 55.3708   | 55.3038   |
| Heading, degrees     | 108       | 9         | 193       | 72        | 182       | 189       | 242       | 178       | 177       | 171       | 67        | 206       | 187       | 223       |
| Average depth (m)    | 82.29     | 95.09     | 54.86     | 29.25     | 42.06     | 54.86     | 74.97     | 84.12     | 98.75     | 98.75     | 118.8     | 106       | 124.3     | 111.5     |
| Distance fished (km) | 1.66      | 1.85      | 1.29      | 1.11      | 1.85      | 1.66      | 1.66      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      |
| Bottom Temp. (°C)    | 6.31      | 4.77      | 6.66      | 7.23      | 7.17      | 6.72      | 5.36      | 5.1       | 4.53      | 4.45      | 4.28      | 4.5       | 4.39      | 4.37      |
| Haul                 | 239       | 240       | 241       | 242       | 243       | 244       | 245       | 246       | 247       | 248       | 249       | 250       | 251       | 252       |
| Location             | Pavlof    | Pavlof    | Pavlof    | Pavlof    | Pavlof    | Pavlof    | Pavlof    | Pavlof    | Pavlof    | Pavlof    | Cold B.   | Cold B.   | Cold B.   | Cold B.   |
| Month/day/year       | 7/27/2017 | 7/27/2017 | 7/27/2017 | 7/27/2017 | 7/27/2017 | 7/27/2017 | 7/28/2017 | 7/28/2017 | 7/28/2017 | 7/28/2017 | 7/29/2017 | 7/29/2017 | 7/29/2017 | 7/29/2017 |
| Station              | VOG       | VOFB      | VOH       | VOI       | VON       | VOR       | VOLX      | VOPX      | VOQ       | VOM       | COB       | COC       | COE       | COF       |
| Longitude start (°W) | 161.7073  | 161.8215  | 161.6903  | 161.6093  | 161.7377  | 161.7458  | 161.9718  | 161.9393  | 161.82    | 161.8382  | 162.5948  | 162.555   | 162.5452  | 162.5253  |
| Latitude start (°N)  | 55.2927   | 55.2592   | 55.2787   | 55.2823   | 55.235    | 55.1967   | 55.2135   | 55.1828   | 55.1987   | 55.2302   | 55.2267   | 55.228    | 55.1983   | 55.1617   |
| Heading, degrees     | 244       | 41        | 81        | 76        | 241       | 312       | 111       | 34        | 88        | 2         | 153       | 170       | 162       | 127       |
| Average depth (m)    | 106       | 96.92     | 100.5     | 106       | 120.6     | 118.8     | 76.8      | 82.29     | 93.26     | 87.77     | 54.86     | 47.54     | 67.66     | 89.6      |
| Distance fished (km) | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.11      | 1.11      | 1.11      | 1.48      |
| Bottom Temp. (°C)    | 4.34      | 5.15      | 4.34      | 4.34      | 4.73      | 4.75      | 5.6       | 5.47      | 5.34      | 5.11      | 8.8       | 8.97      | 8.7       | 8.83      |
| Haul                 | 253       | 254       | 255       | 256       | 257       | 258       | 259       | 260       | 261       | 262       | 263       | 264       | 265       | 266       |
| Location             | Cold B.   | Cold B.   | Cold B.   | Cold B.   | Sanak I.  | Sanak I.  | Sanak I.  | Sanak I.  | Sanak I.  | Sanak I.  | Sanak I.  | Akutan    | Akutan    | Akutan    |
| Month/day/year       | 7/29/2017 | 7/29/2017 | 7/29/2017 | 7/29/2017 | 7/30/2017 | 7/30/2017 | 7/30/2017 | 7/30/2017 | 7/30/2017 | 7/30/2017 | 7/30/2017 | 8/1/2017  | 8/1/2017  | 8/1/2017  |
| Station              | COH       | COGB      | COGA      | COM       | 126       | 113       | 125       | 137       | 138A      | 138B      | 138C      | AKA       | AKC       | AKD       |
| Longitude start (°W) | 162.397   | 162.4275  | 162.4755  | 162.463   | 162.5308  | 162.6273  | 162.5418  | 162.4182  | 162.3973  | 162.4087  | 162.344   | 165.7002  | 165.712   | 165.7048  |
| Latitude start (°N)  | 55.11     | 55.1152   | 55.1438   | 55.0155   | 54.4755   | 54.5085   | 54.5178   | 54.512    | 54.4902   | 54.4463   | 54.4472   | 54.1478   | 54.177    | 54.2053   |
| Heading, degrees     | 287       | 323       | 328       | 118       | 301       | 119       | 119       | 145       | 154       | 300       | 134       | 22        | 355       | 176       |
| Average depth (m)    | 45.71     | 56.69     | 87.77     | 78.63     | 140.8     | 138.9     | 146.2     | 146.2     | 142.6     | 149.9     | 144.4     | 71.31     | 91.43     | 85.94     |
| Distance fished (km) | 1.66      | 1.85      | 1.66      | 1.48      | 1.48      | 1.48      | 1.48      | 1.48      | 1.48      | 1.48      | 1.48      | 1.48      | 1.85      | 1.85      |
| Bottom Temp. (°C)    | 8.78      | 8.72      | 8.93      | 7.32      | 4.32      | 4.19      | 4.22      | 4.23      | 4.35      | 4.25      | 4.36      | 6.48      | 6.25      | 6.14      |
| Haul                 | 267       | 268       | 269       | 270       | 271       | 272       | 273       | 274       | 275       | 276       | 277       | 278       | 279       | 280       |
| Location             | Akutan    | Akutan    | Makush.   | Makush.   | Makush.   | Makush.   | Makush.   | Makush.   | Makush.   | Makush.   | Unalaska  | Unalaska  | Unalaska  | Unalaska  |
| Month/day/year       | 8/1/2017  | 8/1/2017  | 8/2/2017  | 8/2/2017  | 8/2/2017  | 8/2/2017  | 8/3/2017  | 8/3/2017  | 8/3/2017  | 8/3/2017  | 8/3/2017  | 8/5/2017  | 8/5/2017  | 8/5/2017  |
| Station              | AKG       | AKL       | MKK       | MKN       | MKP       | MKJ       | MKB       | MKC       | MKE       | MKF       | UNI       | UNC       | UNF       | UNJ       |
| Longitude start (°W) | 165.7483  | 165.7432  | 167.1765  | 167.1128  | 167.0635  | 167.1005  | 166.785   | 166.8498  | 166.9252  | 167.0122  | 166.6138  | 166.603   | 166.5243  | 166.4968  |
| Latitude start (°N)  | 54.226    | 54.2518   | 53.7275   | 53.6767   | 53.6475   | 53.7188   | 53.7005   | 53.7157   | 53.731    | 53.7392   | 54.0272   | 53.9185   | 53.9687   | 54.0293   |
| Heading, degrees     | 339       | 2         | 134       | 311       | 303       | 96        | 315       | 284       | 272       | 258       | 126       | 351       | 30        | 176       |
| Average depth (m)    | 98.75     | 102.4     | 120.6     | 135.3     | 142.6     | 149.9     | 98.75     | 173.7     | 199.3     | 199.3     | 95.09     | 137.1     | 153.6     | 164.5     |
| Distance fished (km) | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.66      | 1.85      | 1.85      | 1.85      | 1.48      | 1.85      | 1.85      | 1.85      |
| Bottom Temp. (°C)    | 6.11      | 6.13      | 5.39      | 6         | 6.07      | 5.06      | 5.29      | 4.73      | 4.82      | 4.93      | 6.99      | 5.66      | 5.47      | 5.52      |

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| Haul                 | 281       | 282       | 283       | 284       | 285       | 286       | 287       | 288       | 289       | 290       | 291       | 292       | 293       | 294       |
|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Location             | Unalaska  | Unalaska  | Unalaska  | Unalaska  | Morzhov.  | Morzhov.  | Morzhov.  | Morzhov.  | Morzhov.  | Morzhov.  | Morzhov.  | Morzhov.  | Morzhov.  | Morzhov.  |
| Month/day/year       | 8/5/2017  | 8/6/2017  | 8/6/2017  | 8/6/2017  | 8/9/2017  | 8/9/2017  | 8/9/2017  | 8/9/2017  | 8/9/2017  | 8/9/2017  | 8/9/2017  | 8/9/2017  | 8/9/2017  | 8/10/2017 |
| Station              | KAA       | UNE       | UND       | UNG       | MORX      | MOSX      | 87AX      | 87D       | MOOX      | MOK       | MOL       | MOH       | MOF       | MOB       |
| Longitude start (°W) | 166.33    | 166.5027  | 166.4795  | 166.441   | 163.1675  | 163.1005  | 163.0058  | 162.9482  | 162.9873  | 162.9942  | 162.9563  | 162.9967  | 163.0213  | 163.0692  |
| Latitude start (°N)  | 53.972    | 53.942    | 53.9433   | 53.991    | 54.8317   | 54.8532   | 54.815    | 54.7783   | 54.8527   | 54.8872   | 54.909    | 54.9393   | 54.9807   | 55.0633   |
| Heading, degrees     | 21        | 348       | 13        | 237       | 96        | 49        | 43        | 134       | 355       | 45        | 4         | 333       | 342       | 172       |
| Average depth (m)    | 82.29     | 107.8     | 80.46     | 93.26     | 91.43     | 95.09     | 87.77     | 91.43     | 96.92     | 126.1     | 128       | 98.75     | 82.29     | 74.97     |
| Distance fished (km) | 1.85      | 1.48      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.29      |
| Bottom Temp. (°C)    | 7.37      | 5.86      | 6.09      | 6.13      | 6.17      | 6.14      | 6.43      | 6.19      | 6.14      | 6.25      | 6.07      | 6.03      | 6.24      | 6.58      |
| Haul                 | 295       | 296       | 297       | 298       | 299       | 300       | 301       | 302       | 303       | 304       | 305       | 306       | 307       | 308       |
| Location             | Morzhov.  | Morzhov.  | Morzhov.  | Cold B.   | Cold B.   | Cold B.   | Cold B.   | Cold B.   | Cold B.   | Cold B.   | Cold B.   | NE Kod.   | NE Kod.   | NE Kod.   |
| Month/day/year       | 8/10/2017 | 8/10/2017 | 8/10/2017 | 8/10/2017 | 8/10/2017 | 8/11/2017 | 8/11/2017 | 8/11/2017 | 8/11/2017 | 8/11/2017 | 8/11/2017 | 8/24/2017 | 8/24/2017 | 8/24/2017 |
| Station              | MOD       | MOG       | MOI       | COOX      | BEG       | 157A      | 156A      | BEF       | BEE       | BEBX      | BECX      | KZK       | KZG       | KZE       |
| Longitude start (°W) | 163.049   | 162.9963  | 162.9682  | 162.3853  | 162.1718  | 162.1228  | 162.1063  | 162.124   | 162.1492  | 162.1497  | 162.1598  | 152.5497  | 152.6152  | 152.6787  |
| Latitude start (°N)  | 55.0333   | 54.992    | 54.9538   | 55.0012   | 54.9912   | 54.9183   | 54.963    | 55.0013   | 55.0705   | 55.1403   | 55.1122   | 57.9878   | 57.952    | 57.9295   |
| Heading, degrees     | 168       | 142       | 170       | 96        | 170       | 154       | 359       | 25        | 182       | 205       | 190       | 52        | 290       | 185       |
| Average depth (m)    | 87.77     | 91.43     | 109.7     | 104.2     | 84.12     | 76.8      | 87.77     | 93.26     | 82.29     | 67.66     | 80.46     | 177.3     | 128       | 104.2     |
| Distance fished (km) | 1.85      | 1.85      | 1.85      | 1.48      | 1.48      | 1.66      | 1.85      | 1.85      | 1.85      | 1.29      | 1.85      | 1.85      | 1.85      | 1.29      |
| Bottom Temp. (°C)    | 6.07      | 6.03      | 6.07      | 7.43      | 7.2       | 7.17      | 6.91      | 6.88      | 6.94      | 7.25      | 6.85      | 7.02      | 7.68      | 9.13      |
| Haul                 | 309       | 310       | 311       | 312       | 313       | 314       | 315       | 316       | 317       | 319       | 320       | 321       | 322       | 323       |
| Location             | NE 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.    | W Kod.    |
| Month/day/year       | 8/24/2017 | 8/25/2017 | 8/25/2017 | 8/25/2017 | 8/25/2017 | 8/25/2017 | 8/25/2017 | 8/25/2017 | 8/25/2017 | 8/26/2017 | 8/26/2017 | 8/26/2017 | 8/26/2017 | 8/26/2017 |
| Station              | KZC       | KUD       | KUF       | KUG       | KUI       | KUS       | KUQ       | UYBX      | UYHX      | UYFX      | UYEX      | UYO       | UYKX      | UYMX      |
| Longitude start (°W) | 152.747   | 153.1643  | 153.3027  | 153.4327  | 153.3865  | 153.5462  | 153.5218  | 153.9985  | 153.7193  | 153.8558  | 153.9278  | 153.7967  | 153.8873  | 153.8992  |
| Latitude start (°N)  | 57.8617   | 57.985    | 58.0288   | 58.042    | 57.9735   | 57.8728   | 57.8842   | 57.7428   | 57.6618   | 57.6742   | 57.6455   | 57.569    | 57.6005   | 57.564    |
| Heading, degrees     | 42        | 271       | 268       | 178       | 283       | 162       | 323       | 162       | 268       | 283       | 354       | 320       | 311       | 1         |
| Average depth (m)    | 69.49     | 38.4      | 142.6     | 74.97     | 241.3     | 188.3     | 188.3     | 142.6     | 95.09     | 162.7     | 188.3     | 76.8      | 155.4     | 109.7     |
| Distance fished (km) | 1.29      | 0.92      | 1.85      | 1.85      | 1.85      | 1.85      | 1.66      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      |
| Bottom Temp. (°C)    | 9.52      | 7.64      | 6.92      | 7.14      | 6.69      | 5.93      | 5.93      | 6.94      | 7.68      | 7.35      | 6.85      | 8.15      | 7.31      | 7.43      |
| Haul                 | 324       | 325       | 326       | 327       | 328       | 329       | 330       | 331       | 332       | 333       | 334       | 335       | 336       | 337       |
| 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.    | W Kod.    |
| Month/day/year       | 8/26/2017 | 8/27/2017 | 8/27/2017 | 8/27/2017 | 8/27/2017 | 8/27/2017 | 8/28/2017 | 8/28/2017 | 8/28/2017 | 8/28/2017 | 8/28/2017 | 8/28/2017 | 8/28/2017 | 8/28/2017 |
| Station              | UYQX      | UYT       | UYSS      | KUT       | KUV       | KUW       | KUXB      | KUXA      | KUU       | KUP       | KUNX      | KUYA      | KUYB      | KULB      |
| Longitude start (°W) | 153.9033  | 153.7962  | 153.8173  | 153.5222  | 153.5292  | 153.5265  | 153.3797  | 153.4067  | 153.4827  | 153.4485  | 153.3792  | 153.1952  | 153.2138  | 153.2073  |
| Latitude start (°N)  | 57.4835   | 57.3692   | 57.4292   | 57.8268   | 57.7385   | 57.6952   | 57.7365   | 57.7683   | 57.7832   | 57.8577   | 57.8375   | 57.7888   | 57.7413   | 57.8332   |
| Heading, degrees     | 339       | 350       | 178       | 189       | 4         | 164       | 352       | 316       | 320       | 290       | 310       | 179       | 24        | 358       |
| Average depth (m)    | 153.6     | 43.88     | 71.31     | 182.8     | 85.94     | 67.66     | 106       | 117       | 159       | 157.2     | 131.6     | 67.66     | 21.94     | 82.29     |
| Distance fished (km) | 1.85      | 1.48      | 1.85      | 1.85      | 1.66      | 1.48      | 1.85      | 1.66      | 1.85      | 1.85      | 1.85      | 1.29      | 0.92      | 1.85      |
| Bottom Temp. (°C)    | 7.51      | 8.37      | 8.15      | 5.99      | 6.78      | 7.32      | 6.03      | 5.97      | 6.02      | 6.11      | 6.25      | 8.58      | 10.9      | 7.32      |

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|                      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Haul                 | 338       | 339       | 340       | 341       | 342       | 343       | 344       | 345       | 346       | 347       | 348       | 349       | 350       | 351       |
| Location             | W Kod.    | W Kod.    | W Kod.    | W Kod.    | W Kod.    | W Kod.    | W Kod.    | N Main.   | N Main.   | N Main.   | N Main.   | N Main.   | N Main.   | N Main.   |
| Month/day/year       | 8/29/2017 | 8/29/2017 | 8/29/2017 | 8/29/2017 | 8/29/2017 | 8/29/2017 | 8/30/2017 | 8/30/2017 | 8/30/2017 | 8/30/2017 | 8/30/2017 | 8/30/2017 | 8/30/2017 | 8/30/2017 |
| Station              | KUM       | KUK       | KULA      | KUJ       | RAA       | MAA       | PMA       | 121       | 120       | 91        | 61        | 60        | 90        | 119       |
| Longitude start (°W) | 153.1212  | 153.2527  | 153.2233  | 153.2958  | 153.2035  | 153.074   | 152.8627  | 153.167   | 153.2553  | 153.2752  | 153.2167  | 153.3097  | 153.4197  | 153.5312  |
| Latitude start (°N)  | 57.8633   | 57.9178   | 57.8618   | 57.9368   | 58.1265   | 58.2165   | 58.2958   | 58.4588   | 58.4978   | 58.5655   | 58.6167   | 58.6352   | 58.5832   | 58.5285   |
| Heading, degrees     | 289       | 301       | 320       | 302       | 327       | 277       | 295       | 338       | 321       | 37        | 37        | 228       | 229       | 210       |
| Average depth (m)    | 67.66     | 144.4     | 104.2     | 159       | 107.8     | 131.6     | 98.75     | 173.7     | 171.8     | 171.8     | 164.5     | 129.8     | 122.5     | 129.8     |
| Distance fished (km) | 1.85      | 1.85      | 1.66      | 1.85      | 1.85      | 1.85      | 1.85      | 1.48      | 1.48      | 1.48      | 1.48      | 1.85      | 1.85      | 1.85      |
| Bottom Temp. (°C)    | 7.36      | 6.92      | 7.31      | 6.89      | 6.96      | 7.06      | 6.97      | 6.05      | 6.8       | 7.58      | 8.05      | 9.03      | 8.85      | 8.95      |
| Haul                 | 352       | 353       | 354       | 355       | 356       | 357       | 358       | 359       | 360       | 361       | 362       | 363       | 364       |           |
| 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       | 8/30/2017 | 8/31/2017 | 8/31/2017 | 8/31/2017 | 8/31/2017 | 8/31/2017 | 8/31/2017 | 8/31/2017 | 8/31/2017 | 8/31/2017 | 8/31/2017 | 9/1/2017  | 9/1/2017  | 9/1/2017  |
| Station              | 118       | 171A      | 171C      | 171D      | 172B      | 144       | 145       | 117       | 146       | 173       | 198       | 222       | 223       |           |
| Longitude start (°W) | 153.6308  | 154.2577  | 154.2048  | 154.0537  | 154.0448  | 153.9242  | 153.8375  | 153.8058  | 153.7125  | 153.8668  | 154.0207  | 154.07    | 153.994   |           |
| Latitude start (°N)  | 58.4933   | 58.3033   | 58.3252   | 58.3285   | 58.3145   | 58.4373   | 58.428    | 58.4543   | 58.443    | 58.363    | 58.2743   | 58.1212   | 58.1462   |           |
| Heading, degrees     | 242       | 75        | 74        | 136       | 134       | 72        | 64        | 76        | 174       | 199       | 195       | 21        | 64        |           |
| Average depth (m)    | 133.4     | 111.5     | 102.4     | 69.49     | 96.92     | 80.46     | 98.75     | 95.09     | 155.4     | 237.7     | 171.8     | 250.5     | 215.7     |           |
| Distance fished (km) | 1.85      | 1.85      | 1.85      | 1.85      | 1.85      | 1.66      | 1.48      | 1.48      | 1.29      | 1.48      | 1.48      | 1.48      | 1.48      |           |
| Bottom Temp. (°C)    | 9.24      | 8.05      | 8.15      | 10.4      | 9.8       | 10        | 8.99      | 9.07      | 8.37      | 5.52      | 7.41      | 5.5       | 5.48      |           |
| Performance          | 0         | 0         | 0         | 0         | 0         | 0         | 2         | 0         | 0         | 0         | 4         | 0         | 0         |           |

Appendix B2.–2017 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 <sup>2</sup> | NM <sup>2</sup> | Station            | KM <sup>2</sup> | NM <sup>2</sup> | Station           | KM <sup>2</sup> | NM <sup>2</sup> | Station        | KM <sup>2</sup> | NM <sup>2</sup> |
| 395                     | 85.8            | 25.0            | CHA                | 5.5             | 1.6             | UGAA              | 16.0            | 4.7             | 486A           | 25.0            | 7.3             |
| 420                     | 83.3            | 24.3            | CHB                | 7.9             | 2.3             | UGAC              | 3.2             | 0.9             | 486B           | 29.4            | 8.6             |
| 421                     | 83.3            | 24.3            | CHE                | 20.6            | 6.0             | UGAD              | 4.4             | 1.3             | 510C           | 21.5            | 6.3             |
| 443                     | 83.5            | 24.3            | CHF                | 12.7            | 3.7             | UGB               | 5.8             | 1.7             | 510D           | 38.0            | 11.1            |
| 444                     | 83.5            | 24.3            | CHG                | 32.8            | 9.6             | UGC               | 17.5            | 5.1             | 511A           | 42.0            | 12.3            |
| 369X                    | 142.8           | 41.6            | CHJ                | 11.3            | 3.3             | UGD               | 11.0            | 3.2             | 511B           | 42.9            | 12.5            |
| Total                   | 562.1           | 163.9           | CHK                | 8.6             | 2.5             | UGE               | 12.7            | 3.7             | 533A           | 42.9            | 12.5            |
| Marmot Bay              |                 |                 | CHL                | 14.1            | 4.1             | UGF               | 15.8            | 4.6             | 533B           | 42.9            | 12.5            |
| Station                 | KM <sup>2</sup> | NM <sup>2</sup> | Total              | 113.4           | 33.1            | UGG               | 11.0            | 3.2             | 534BX          | 20.8            | 6.1             |
| MOEX                    | 36.2            | 10.6            | Kizhuyak Bay       |                 |                 | UGI               | 22.3            | 6.5             | 534DX          | 29.0            | 8.5             |
| MOGX                    | 65.9            | 19.2            | Station            | KM <sup>2</sup> | NM <sup>2</sup> | UGJ               | 21.0            | 6.1             | 535A           | 21.1            | 6.1             |
| MOLA                    | 28.0            | 8.2             | KZA                | 11.7            | 3.4             | UGM               | 16.8            | 4.9             | 535B           | 21.4            | 6.3             |
| MOLB                    | 44.8            | 13.1            | KZB                | 2.7             | 0.8             | Total             | 157.4           | 45.9            | 535C           | 21.1            | 6.1             |
| MONX                    | 75.5            | 22.0            | KZC                | 12.3            | 3.6             | Kiliuda Bay       |                 |                 | 535D           | 21.4            | 6.3             |
| MOPA                    | 27.8            | 8.1             | KZD                | 23.7            | 6.9             | Station           | KM <sup>2</sup> | NM <sup>2</sup> | 559            | 85.8            | 25.0            |
| MOPB                    | 19.9            | 5.8             | KZE                | 25.8            | 7.5             | KLA               | 20.9            | 6.1             | 560            | 85.8            | 25.0            |
| MOXA                    | 13.0            | 3.8             | KZF                | 20.1            | 5.9             | KLB               | 9.3             | 2.7             | 561            | 85.8            | 25.0            |
| MOXB                    | 29.5            | 8.6             | KZG                | 21.2            | 6.2             | KLC               | 19.6            | 5.7             | 587            | 85.8            | 25.0            |
| 256                     | 82.1            | 24.0            | KZJ                | 21.4            | 6.3             | KLD               | 18.2            | 5.3             | 588            | 85.8            | 25.0            |
| 257                     | 82.1            | 24.0            | KZK                | 21.4            | 6.3             | KLE               | 8.2             | 2.4             | 589            | 85.8            | 25.0            |
| 284                     | 82.4            | 24.0            | KZO                | 21.4            | 6.3             | KLF               | 15.1            | 4.4             | 619            | 85.8            | 25.0            |
| 285                     | 82.4            | 24.0            | KZR                | 10.8            | 3.1             | KLG               | 16.5            | 4.8             | 620            | 85.8            | 25.0            |
| 313                     | 85.8            | 25.0            | KZS                | 3.1             | 0.9             | KLH               | 16.8            | 4.9             | 621            | 85.8            | 25.0            |
| 314                     | 82.5            | 24.1            | Total              | 195.7           | 57.1            | KLI               | 21.4            | 6.3             | 654            | 85.8            | 25.0            |
| 255A                    | 64.4            | 18.8            |                    |                 |                 | KLL               | 21.4            | 6.3             | 655            | 85.8            | 25.0            |
| 255B                    | 63.9            | 18.6            |                    |                 |                 | Total             | 167.4           | 48.8            | 656            | 85.8            | 25.0            |
| 283A                    | 67.9            | 19.8            |                    |                 |                 |                   |                 |                 | 695            | 85.8            | 25.0            |
| 283B                    | 64.0            | 18.7            |                    |                 |                 |                   |                 |                 | 696            | 85.8            | 25.0            |
| Total                   | 1,098.1         | 281.7           |                    |                 |                 |                   |                 |                 | Total          | 1,619.9         | 472.3           |
| Southeast Section       |                 |                 |                    |                 |                 | Southwest Section |                 |                 |                |                 |                 |
| South Sitkalidak Strait |                 |                 | Offshore Twoheaded |                 |                 | Alitak Flats      |                 |                 | Alitak Bay     |                 |                 |
| Station                 | KM <sup>2</sup> | NM <sup>2</sup> | Station            | KM <sup>2</sup> | NM <sup>2</sup> | Station           | KM <sup>2</sup> | NM <sup>2</sup> | Station        | KM <sup>2</sup> | NM <sup>2</sup> |
| THA                     | 15.1            | 4.4             | 618A               | 42.9            | 12.5            | 645B              | 34.3            | 10.0            | ALA            | 3.1             | 0.9             |
| THCX                    | 19.6            | 5.7             | 585X               | 78.8            | 23.0            | 646A              | 27.1            | 7.9             | ALBX           | 12.8            | 3.7             |
| THDX                    | 28.6            | 8.3             | 614                | 61.2            | 17.8            | 646B              | 16.5            | 4.8             | ALCA           | 8.1             | 2.4             |
| THFA                    | 22.3            | 6.5             | 615                | 99.5            | 29.0            | 646C              | 27.9            | 8.1             | ALD            | 13.0            | 3.8             |
| THG                     | 21.1            | 6.2             | 651                | 85.8            | 25.0            | 646D              | 37.4            | 10.9            | ALF            | 21.4            | 6.3             |
| THH                     | 19.2            | 5.6             | Total              | 368.1           | 107.3           | 682B              | 21.7            | 6.3             | ALG            | 19.9            | 5.8             |
| THI                     | 21.6            | 6.3             | Horse's Head       |                 |                 | 683A              | 22.2            | 6.5             | ALH            | 16.1            | 4.7             |
| THJ                     | 17.8            | 5.2             | Station            | KM <sup>2</sup> | NM <sup>2</sup> | 683B              | 20.9            | 6.1             | ALI            | 16.6            | 4.9             |
| THK                     | 16.5            | 4.8             | 586                | 85.8            | 25.0            | 683D              | 9.3             | 2.7             | ALJ            | 15.1            | 4.4             |
| THL                     | 9.3             | 2.7             | 688                | 85.8            | 25.0            | 684A              | 21.7            | 6.3             | ALK            | 9.9             | 2.9             |
| THM                     | 10.6            | 3.1             | 725                | 85.8            | 25.0            | 684B              | 10.3            | 3.0             | ALL            | 8.2             | 2.4             |
| THN                     | 5.1             | 1.5             | 726                | 85.8            | 25.0            | 684C              | 8.6             | 2.5             | ALM            | 16.1            | 4.7             |
| Total                   | 206.8           | 60.3            | 727                | 85.8            | 25.0            | Total             | 257.9           | 75.2            | ALO            | 16.8            | 4.9             |
|                         |                 |                 | 728                | 85.8            | 25.0            |                   |                 |                 | ALP            | 18.4            | 5.4             |
|                         |                 |                 | 729                | 85.8            | 25.0            |                   |                 |                 | ALQ            | 14.4            | 4.2             |
|                         |                 |                 | 759                | 85.8            | 25.0            |                   |                 |                 | ALR            | 13.4            | 3.9             |
|                         |                 |                 | 760                | 85.8            | 25.0            |                   |                 |                 | Total          | 223.5           | 65.2            |
|                         |                 |                 | 761                | 85.8            | 25.0            |                   |                 |                 |                |                 |                 |
|                         |                 |                 | Total              | 857.5           | 250.0           |                   |                 |                 |                |                 |                 |

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Appendix B2.–Page 2 of 3.

| KODIAK DISTRICT (Continued) |       |      |                  |       |      |                   |       |      |                        |         |       |
|-----------------------------|-------|------|------------------|-------|------|-------------------|-------|------|------------------------|---------|-------|
| Westside Section            |       |      |                  |       |      |                   |       |      |                        |         |       |
| Uganik Bay                  |       |      | Uyak Bay         |       |      | Kupreanof-Viekoda |       |      | North Mainland Section |         |       |
| Station                     | KM²   | NM²  | Station          | KM²   | NM²  | Station           | KM²   | NM²  | Station                | KM²     | NM²   |
| KUNX                        | 10.6  | 3.1  | UYBX             | 21.5  | 6.3  | KUD               | 27.1  | 7.9  | 60                     | 85.8    | 25.0  |
| KUP                         | 13.3  | 3.9  | UYEX             | 29.9  | 8.7  | KUF               | 11.3  | 3.3  | 61                     | 85.8    | 25.0  |
| KUQ                         | 20.6  | 6.0  | UYFX             | 22.1  | 6.4  | KUG               | 15.4  | 4.5  | 90                     | 80.3    | 23.4  |
| KUS                         | 12.1  | 3.5  | UYHX             | 4.1   | 1.2  | KUI               | 6.4   | 1.9  | 91                     | 85.8    | 25.0  |
| KUT                         | 9.4   | 2.7  | UYKX             | 13.9  | 4.0  | KUJ               | 17.0  | 5.0  | 117                    | 97.8    | 28.5  |
| KUU                         | 13.7  | 4.0  | UYMX             | 20.8  | 6.1  | KUK               | 14.1  | 4.1  | 118                    | 85.8    | 25.0  |
| KUV                         | 4.1   | 1.2  | UYO              | 3.4   | 1.0  | KULB              | 2.7   | 0.8  | 119                    | 85.8    | 25.0  |
| KUW                         | 5.2   | 1.5  | UYQX             | 7.7   | 2.2  | KULA              | 2.1   | 0.6  | 120                    | 85.8    | 25.0  |
| KUXB                        | 4.1   | 1.2  | UYSS             | 6.0   | 1.8  | KUM               | 10.5  | 3.1  | 121                    | 85.8    | 25.0  |
| KUXA                        | 5.6   | 1.6  | UYT              | 2.8   | 0.8  | KUYA              | 4.1   | 1.2  | 144                    | 60.7    | 17.7  |
| Total                       | 98.6  | 28.8 | Total            | 132.1 | 38.5 | KUYB              | 2.6   | 0.8  | 145                    | 85.8    | 25.0  |
| KODIAK DISTRICT TOTALS      |       |      |                  |       |      | Total             | 113.2 | 33.0 | 146                    | 85.8    | 25.0  |
|                             |       |      |                  |       |      | West Afognak      |       |      | 171A                   | 11.4    | 3.3   |
|                             |       |      |                  |       |      |                   |       |      | 171C                   | 7.6     | 2.2   |
|                             |       |      |                  |       |      | Station           | KM²   | NM²  | 171D                   | 28.6    | 8.3   |
|                             |       |      |                  |       |      | MAA               | 10.5  | 3.1  | 172B                   | 79.5    | 23.2  |
|                             |       |      |                  |       |      | PMA               | 15.1  | 4.4  | 173                    | 85.8    | 25.0  |
|                             |       |      |                  |       |      | RAA               | 6.7   | 2.0  | 198                    | 85.8    | 25.0  |
|                             |       |      |                  |       |      | Total             | 32.3  | 9.4  | 222                    | 103.2   | 30.1  |
|                             |       |      |                  |       |      |                   |       |      | 223                    | 85.8    | 25.0  |
|                             |       |      |                  |       |      |                   |       |      | Total                  | 1,498.1 | 436.8 |
| CHIGNIK DISTRICT            |       |      |                  |       |      |                   |       |      |                        |         |       |
| Chignik Bay                 |       |      | Ivanof Bay       |       |      | Kujulik Bay       |       |      | Mitrofanias Island     |         |       |
| Station                     | KM²   | NM²  | Station          | KM²   | NM²  | Station           | KM²   | NM²  | Station                | KM²     | NM²   |
| 4256                        | 22.5  | 6.6  | 4000Y            | 15.8  | 4.6  | 4290              | 21.3  | 6.2  | 4038A                  | 43.7    | 12.8  |
| 4264                        | 19.7  | 5.8  | 4000X            | 5.6   | 1.6  | 4296              | 10.3  | 3.0  | 4038B                  | 43.7    | 12.8  |
| 4265                        | 6.6   | 1.9  | 4900X            | 10.4  | 3.0  | 4298              | 19.0  | 5.5  | 4050A                  | 25.9    | 7.6   |
| 4266                        | 19.6  | 5.7  | 4007             | 37.2  | 10.9 | 4301              | 21.4  | 6.2  | 4050B                  | 42.9    | 12.5  |
| 4267                        | 21.4  | 6.3  | 4008             | 42.1  | 12.3 | 4302              | 18.2  | 5.3  | 4066A                  | 43.6    | 12.7  |
| 4270                        | 17.1  | 5.0  | 4915             | 51.0  | 14.9 | 4308              | 17.2  | 5.0  | 4066B                  | 43.6    | 12.7  |
| 4271                        | 10.0  | 2.9  | Total            | 162.1 | 47.3 | Total             | 107.3 | 31.3 | 4024                   | 57.6    | 16.8  |
| 4272                        | 15.9  | 4.6  |                  |       |      |                   |       |      | 4025                   | 43.7    | 12.7  |
| 4274                        | 21.4  | 6.3  |                  |       |      |                   |       |      | 4026                   | 43.7    | 12.8  |
| 4277                        | 21.4  | 6.3  |                  |       |      |                   |       |      | 4035                   | 59.3    | 17.3  |
| 4278                        | 21.4  | 6.3  |                  |       |      |                   |       |      | 4036                   | 64.9    | 18.9  |
| 4282                        | 21.4  | 6.3  |                  |       |      |                   |       |      | 4037                   | 43.7    | 12.7  |
| 4286                        | 21.4  | 6.3  |                  |       |      |                   |       |      | 4048                   | 14.7    | 4.3   |
| 4287                        | 28.5  | 8.3  |                  |       |      |                   |       |      | 4049                   | 57.2    | 16.7  |
| 4312                        | 21.9  | 6.4  |                  |       |      |                   |       |      | 4063                   | 35.2    | 10.3  |
| 4964                        | 9.6   | 2.8  |                  |       |      |                   |       |      | 4064                   | 40.5    | 11.8  |
| Total                       | 300.0 | 87.5 | Chignik District |       |      | 1,353.3 394.5     |       |      | 4065                   | 80.0    | 23.3  |
|                             |       |      |                  |       |      |                   |       |      | Total                  | 783.9   | 228.5 |

-continued-

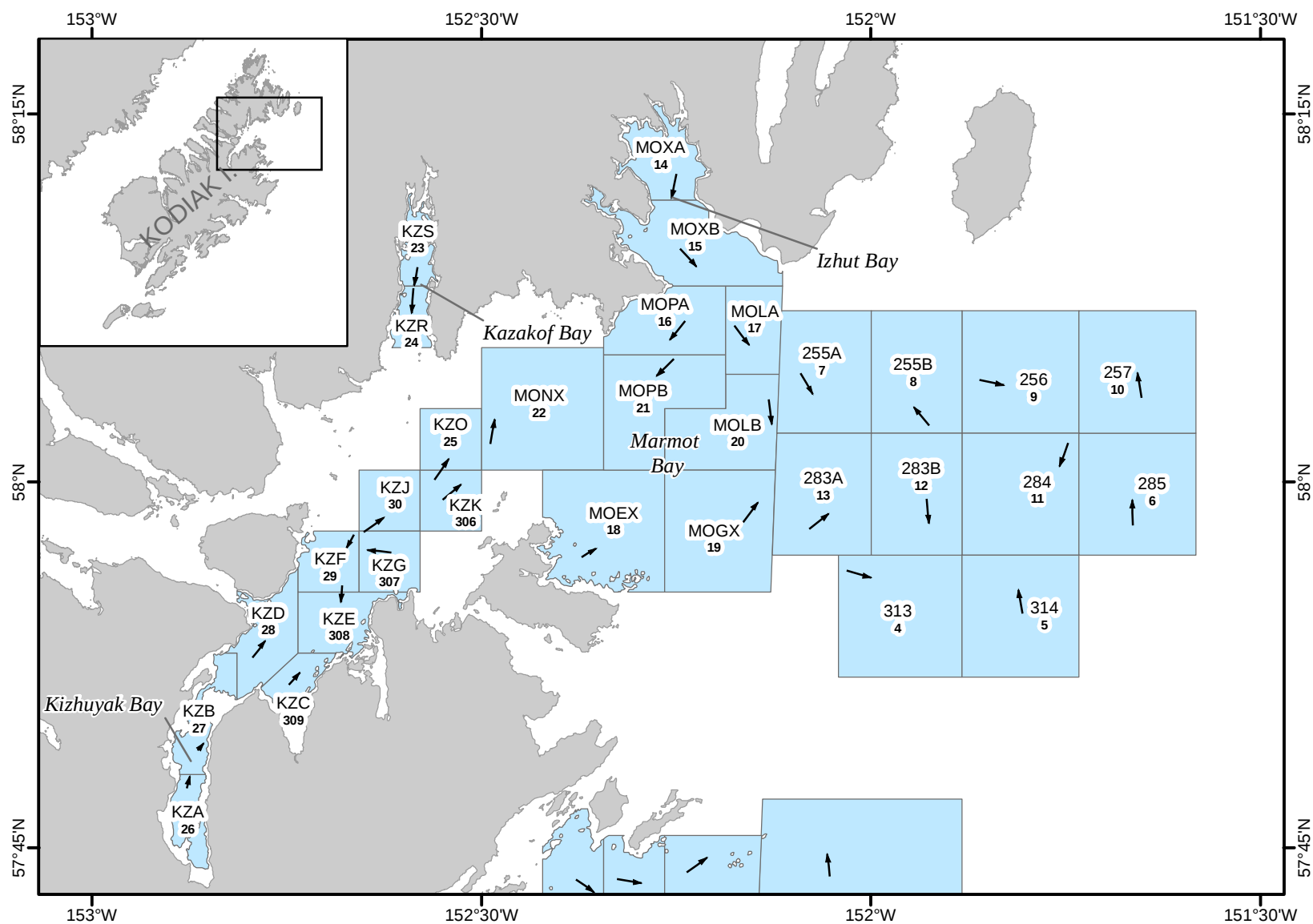
Appendix B2.–Page 3 of 3.

| SOUTH PENINSULA DISTRICT |       |       |                    |       |       |                                    |       |      |               |       |       |
|--------------------------|-------|-------|--------------------|-------|-------|------------------------------------|-------|------|---------------|-------|-------|
| Pavlof/Volcano Bay       |       |       | West Nagai Strait  |       |       | Cold/Belkofski Bay                 |       |      | Morzhovoi Bay |       |       |
| Station                  | KM²   | NM²   | Station            | KM²   | NM²   | Station                            | KM²   | NM²  | Station       | KM²   | NM²   |
| 228                      | 12.8  | 3.7   | 332B               | 42.9  | 12.5  | 156A                               | 44.2  | 12.9 | 87AX          | 42.9  | 12.5  |
| 245                      | 21.0  | 6.1   | 373A               | 28.0  | 8.2   | 157A                               | 21.0  | 6.1  | 87D           | 22.3  | 6.5   |
| PAEX                     | 38.0  | 11.1  | 373B               | 20.5  | 6.0   | BEBX                               | 15.9  | 4.6  | MOB           | 18.5  | 5.4   |
| PAH                      | 14.2  | 4.1   | 301                | 85.8  | 25.0  | BECX                               | 25.7  | 7.5  | MOD           | 16.1  | 4.7   |
| PAIX                     | 38.3  | 11.2  | 318                | 85.8  | 25.0  | BEE                                | 21.4  | 6.3  | MOF           | 20.0  | 5.82  |
| PALX                     | 40.4  | 11.8  | 334                | 85.8  | 25.0  | BEF                                | 14.5  | 4.2  | MOG           | 17.6  | 5.12  |
| PAOB                     | 19.6  | 5.7   | 335                | 85.8  | 25.0  | BEG                                | 20.3  | 5.9  | MOH           | 15.1  | 4.41  |
| PAP                      | 20.8  | 6.1   | 337                | 85.8  | 25.0  | COB                                | 20.8  | 6.1  | MOI           | 16.9  | 4.94  |
| PARA                     | 19.1  | 5.6   | 353                | 86.1  | 25.1  | COC                                | 14.2  | 4.2  | MOK           | 21.4  | 6.25  |
| PARB                     | 20.8  | 6.1   | 354                | 85.8  | 25.0  | COE                                | 20.2  | 5.9  | MOL           | 21.4  | 6.25  |
| PAU                      | 21.4  | 6.3   | 371                | 76.0  | 22.2  | COF                                | 11.5  | 3.4  | MOOX          | 44.7  | 13.03 |
| PAV                      | 20.6  | 6.0   | 393                | 42.0  | 12.2  | COGA                               | 9.8   | 2.9  | MORX          | 36.5  | 10.65 |
| VOA                      | 22.1  | 6.4   | Total              | 810.0 | 236.2 | COGB                               | 3.6   | 1.1  | MOSX          | 37.7  | 11.0  |
| VOBX                     | 43.8  | 12.8  |                    |       |       | COH                                | 4.8   | 1.4  | Total         | 331.2 | 96.6  |
| VOD                      | 20.8  | 6.1   | Beaver/Balboa/Unga |       |       | COM                                | 18.5  | 5.4  |               |       |       |
| VOFB                     | 15.5  | 4.5   | Station            | KM²   | NM²   | COOX                               | 27.7  | 8.1  | Sanak Island  |       |       |
| VOG                      | 22.1  | 6.5   | 278                | 71.4  | 20.8  | Total                              | 294.3 | 85.8 | Station       | KM²   | NM²   |
| VOH                      | 21.7  | 6.3   | 348                | 85.8  | 25.0  |                                    |       |      | 138A          | 34.8  | 10.1  |
| VOI                      | 21.2  | 6.2   | 311A               | 15.5  | 4.5   | Stepovak Bay                       |       |      | 138B          | 18.4  | 5.4   |
| VOLX                     | 17.7  | 5.2   | 311B               | 19.4  | 5.7   | Station                            | KM²   | NM²  | 138C          | 56.9  | 16.6  |
| VOM                      | 27.3  | 8.0   | 311C               | 16.2  | 4.7   | STA                                | 21.0  | 6.1  | 113           | 77.2  | 22.5  |
| VON                      | 22.1  | 6.5   | 329B               | 21.4  | 6.3   | STB                                | 18.9  | 5.5  | 125           | 77.2  | 22.5  |
| VOPX                     | 31.3  | 9.1   | 329C               | 21.4  | 6.3   | STD                                | 22.4  | 6.5  | 126           | 77.8  | 22.7  |
| VOQ                      | 15.9  | 4.6   | BAA                | 12.0  | 3.5   | STE                                | 15.5  | 4.5  | 137           | 85.8  | 25.0  |
| VOR                      | 21.1  | 6.2   | BAC                | 16.9  | 4.9   | Total                              | 77.8  | 22.7 | Total         | 428.0 | 124.8 |
| Total                    | 589.7 | 171.9 | BAD                | 8.3   | 2.4   | S PENINSULA DISTRICT TOTALS        |       |      |               |       |       |
|                          |       |       | BAE                | 12.7  | 3.7   |                                    |       |      |               |       |       |
|                          |       |       | BAF                | 9.4   | 2.8   | KM² NM²                            |       |      |               |       |       |
|                          |       |       | BVA                | 13.5  | 3.9   | Sanak Island 428.0 124.8           |       |      |               |       |       |
|                          |       |       | BVB                | 14.0  | 4.1   | Morzhovoi Bay 331.2 96.6           |       |      |               |       |       |
|                          |       |       | BVC                | 18.9  | 5.5   | Cold/Belkofski Bay 294.3 85.8      |       |      |               |       |       |
|                          |       |       | 368A               | 43.9  | 12.8  | Pavlof/Volcano Bay 589.7 171.9     |       |      |               |       |       |
|                          |       |       | Total              | 400.7 | 116.8 | West Nagai Strait 810.0 236.2      |       |      |               |       |       |
|                          |       |       |                    |       |       | Beaver/Balboa/Unga 400.7 116.8     |       |      |               |       |       |
|                          |       |       |                    |       |       | Stepovak Bay 77.8 22.7             |       |      |               |       |       |
|                          |       |       |                    |       |       | S Peninsula District 2,931.7 854.7 |       |      |               |       |       |

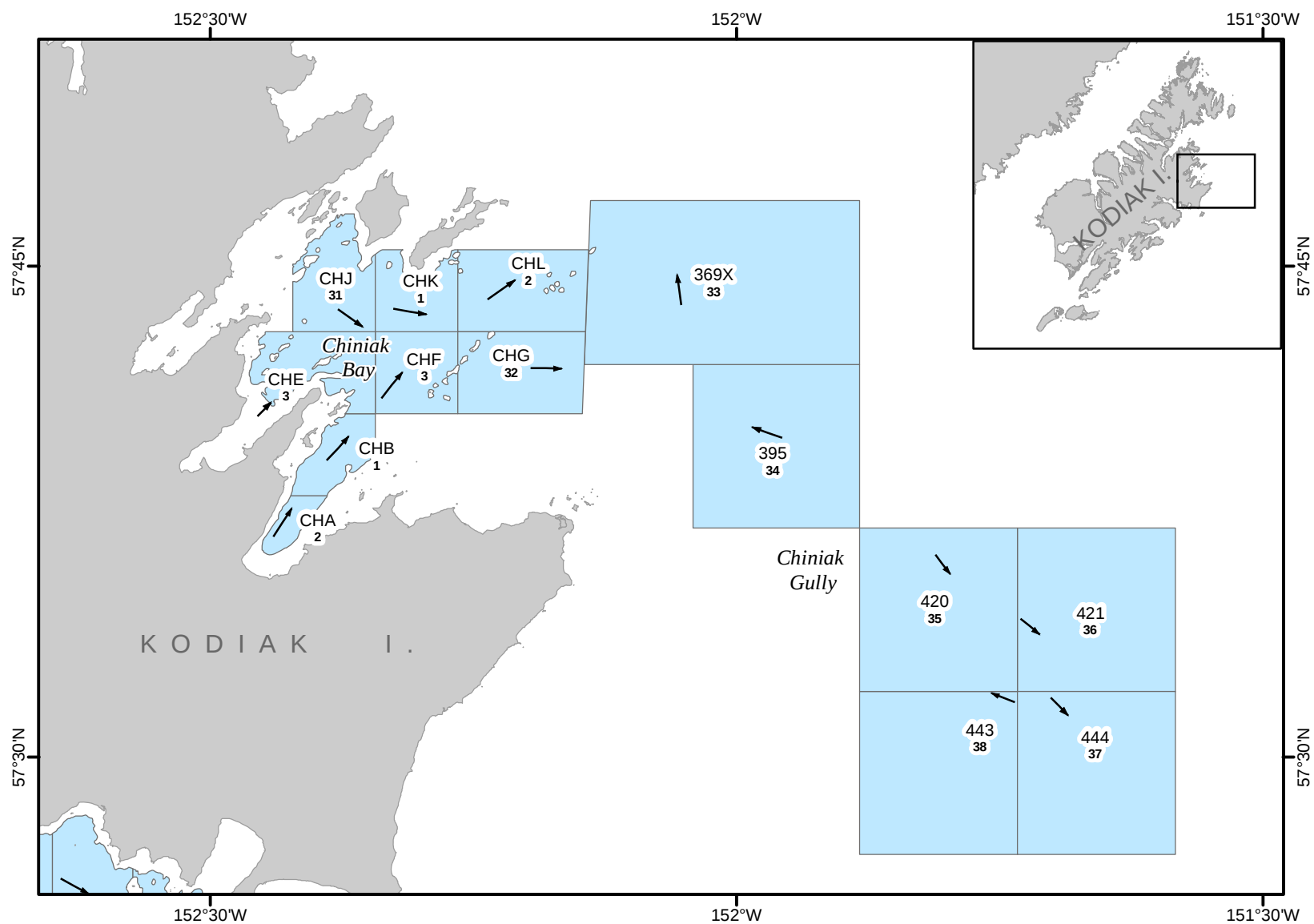
| EASTERN ALEUTIAN DISTRICT    |                 |                 |                      |                 |                 |                            |                 |                 |                 |                 |
|------------------------------|-----------------|-----------------|----------------------|-----------------|-----------------|----------------------------|-----------------|-----------------|-----------------|-----------------|
| Unalaska/Kalekta Bay Section |                 |                 | Makushin Bay Section |                 |                 | Akutan Bay Section         |                 |                 |                 |                 |
| Station                      | KM <sup>2</sup> | NM <sup>2</sup> | Station              | KM <sup>2</sup> | NM <sup>2</sup> | Station                    | KM <sup>2</sup> | NM <sup>2</sup> |                 |                 |
| KAA                          | 19.5            | 5.7             | MKB                  | 15.8            | 4.6             | AKA                        | 33.2            | 9.67            |                 |                 |
| UNC                          | 22.6            | 6.6             | MKC                  | 18.5            | 5.4             | AKC                        | 21.2            | 6.18            |                 |                 |
| UND                          | 11.7            | 3.4             | MKE                  | 29.1            | 8.5             | AKD                        | 22.5            | 6.55            |                 |                 |
| UNE                          | 17.9            | 5.2             | MKF                  | 20.9            | 6.1             | AKG                        | 21.4            | 6.25            |                 |                 |
| UNF                          | 21.4            | 6.3             | MKJ                  | 22.9            | 6.7             | AKL                        | 21.4            | 6.25            |                 |                 |
| UNG                          | 21.4            | 6.3             | MKK                  | 35.7            | 10.4            | Total                      | 119.7           | 34.9            |                 |                 |
| UNI                          | 19.7            | 5.8             | MKN                  | 26.2            | 7.6             | E ALEUTIAN DISTRICT TOTALS |                 |                 |                 |                 |
| UNJ                          | 21.4            | 6.3             | MKP                  | 11.1            | 3.2             |                            |                 |                 |                 |                 |
| Total                        | 155.7           | 45.4            | Total                | 180.2           | 52.5            |                            |                 |                 |                 |                 |
| Section                      |                 |                 |                      |                 |                 |                            |                 |                 | KM <sup>2</sup> | NM <sup>2</sup> |
| Akutan Bay                   |                 |                 |                      |                 |                 |                            |                 |                 | 119.7           | 34.9            |
| Unalaska/Kalekta             |                 |                 |                      |                 |                 | 155.7                      | 45.4            |                 |                 |                 |
| Makushin Bay                 |                 |                 |                      |                 |                 | 180.2                      | 52.5            |                 |                 |                 |
| E Aleutian District          |                 |                 |                      |                 |                 | 455.6                      | 132.8           |                 |                 |                 |



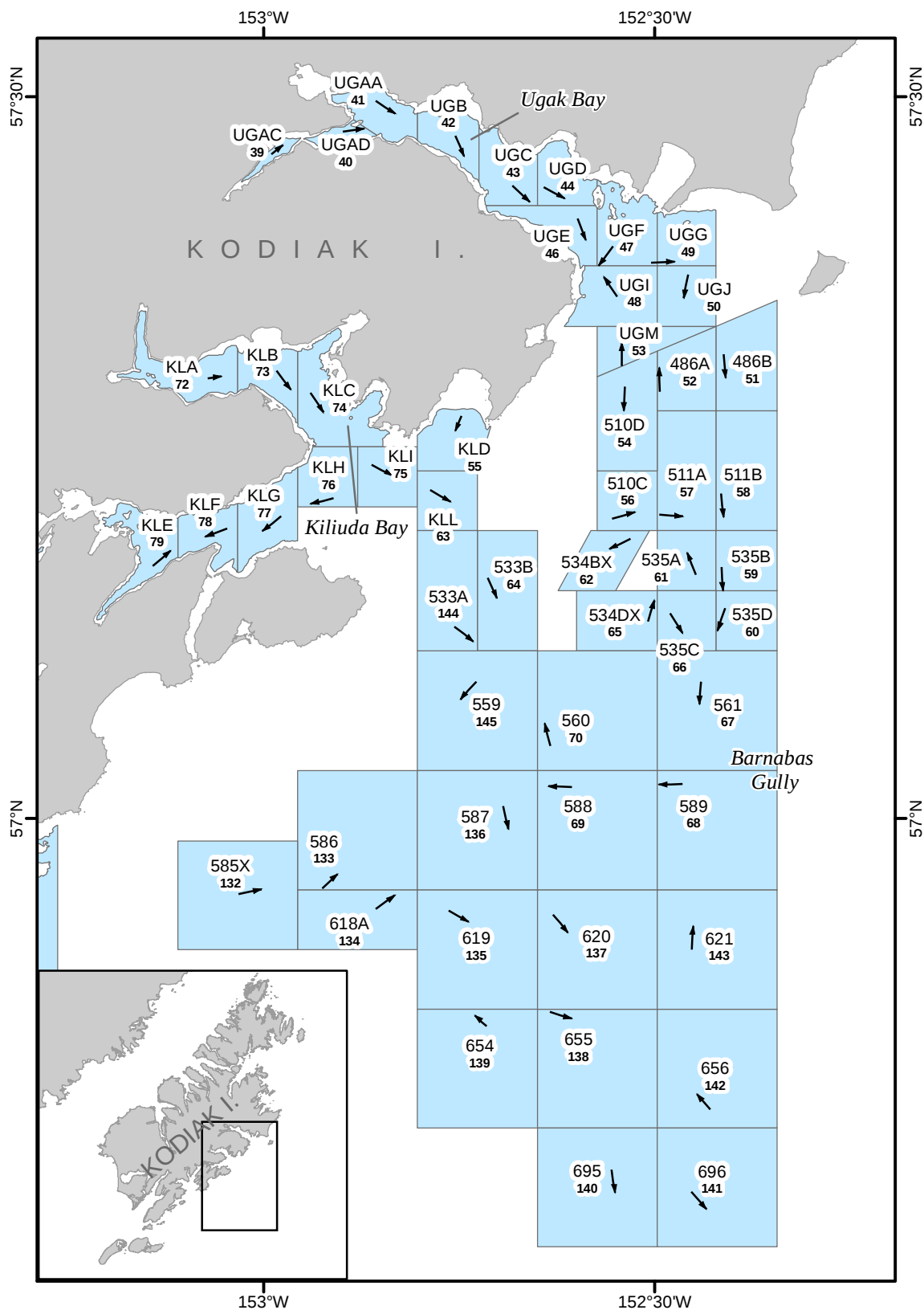
## **APPENDIX C. TRAWL MAPS**



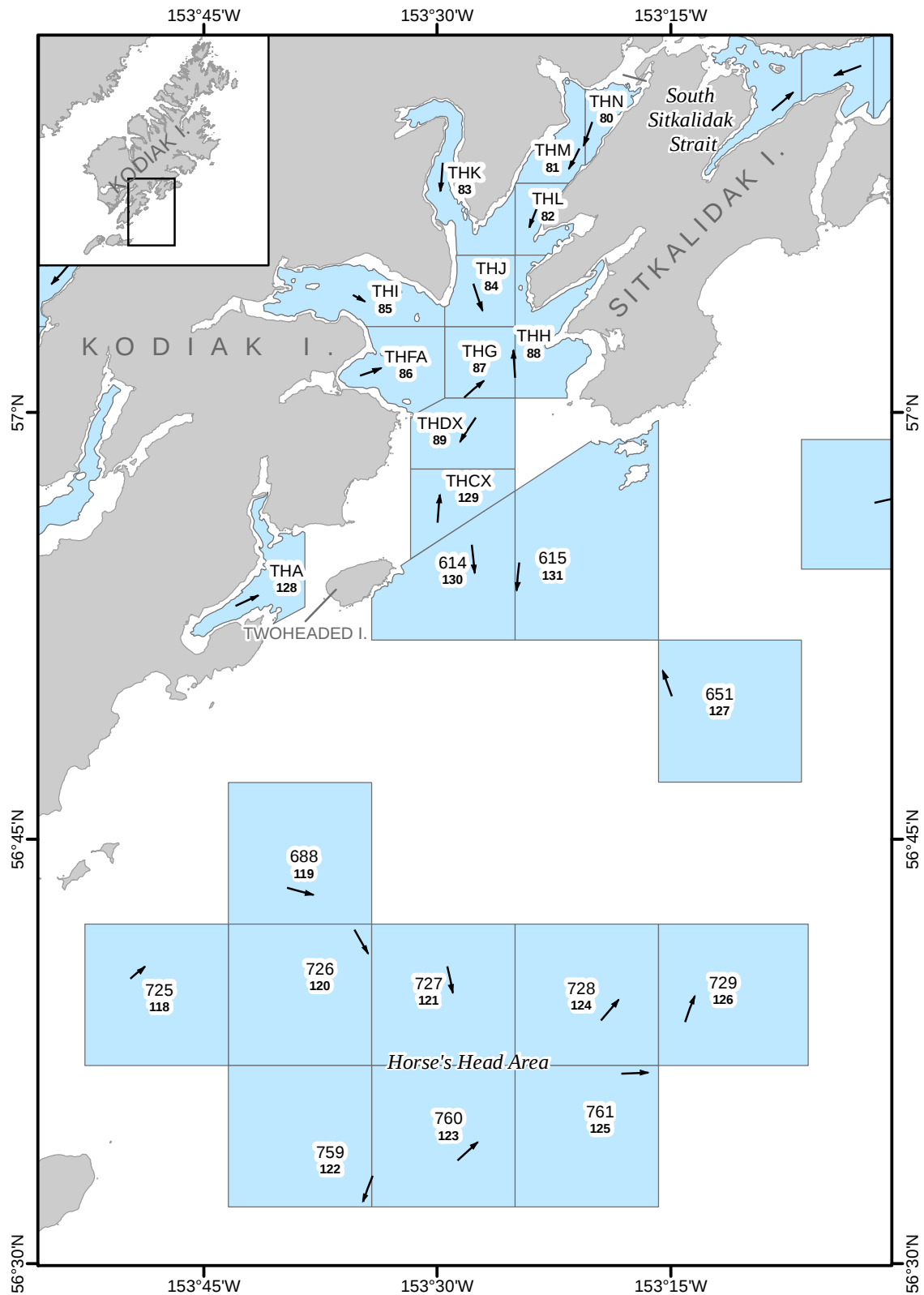
Appendix C1.—Izhut Bay, Kazakof Bay, Kizhuyak Bay, and Marmot Bay station boundaries with station name, trawl haul number (bold), location and direction of haul (arrow), June and August 2017.



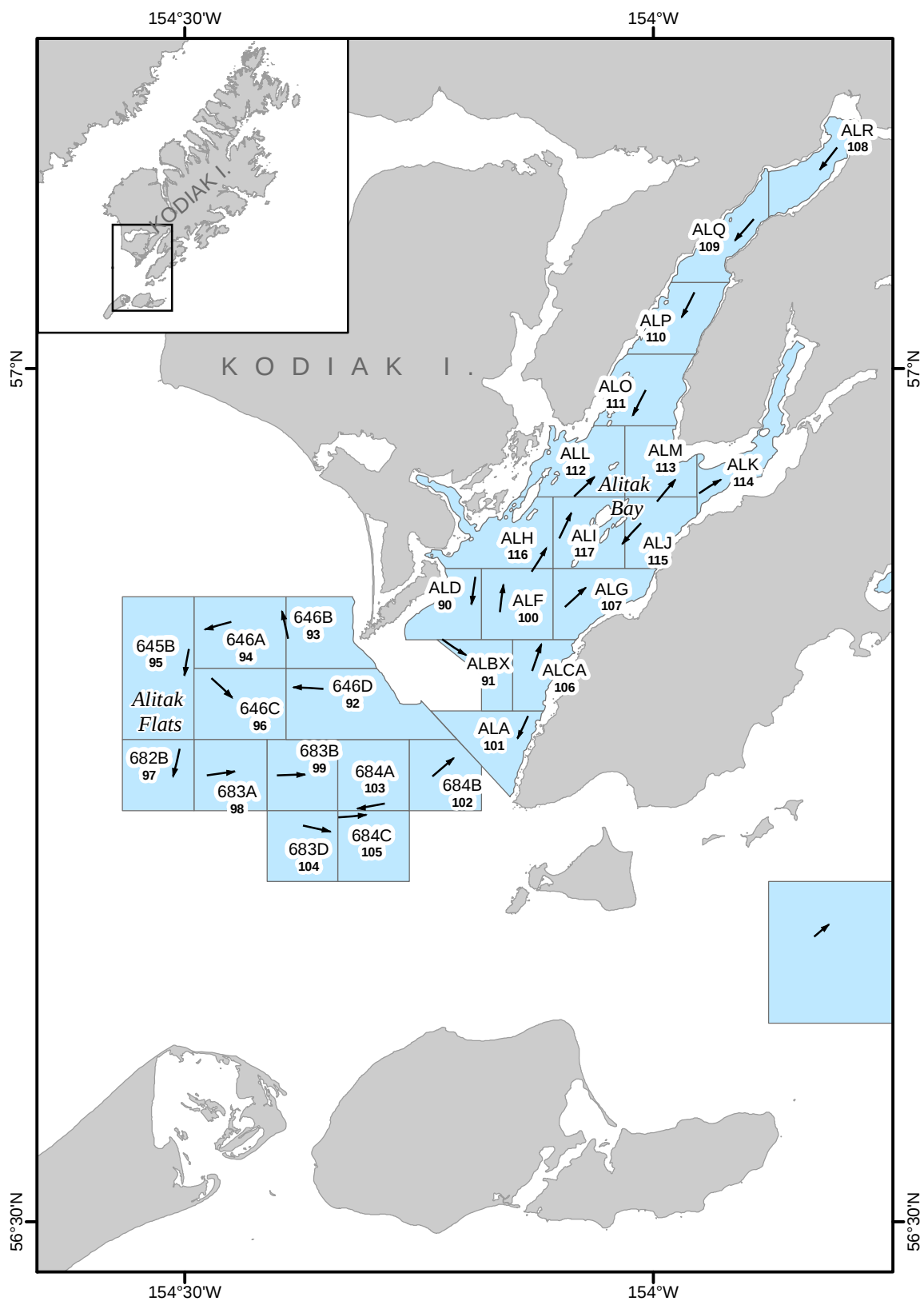
Appendix C2.—Chiniak Bay and Chiniak Gully station boundaries with station name, trawl haul number (bold) and location and direction of haul (arrow), May and June 2017.



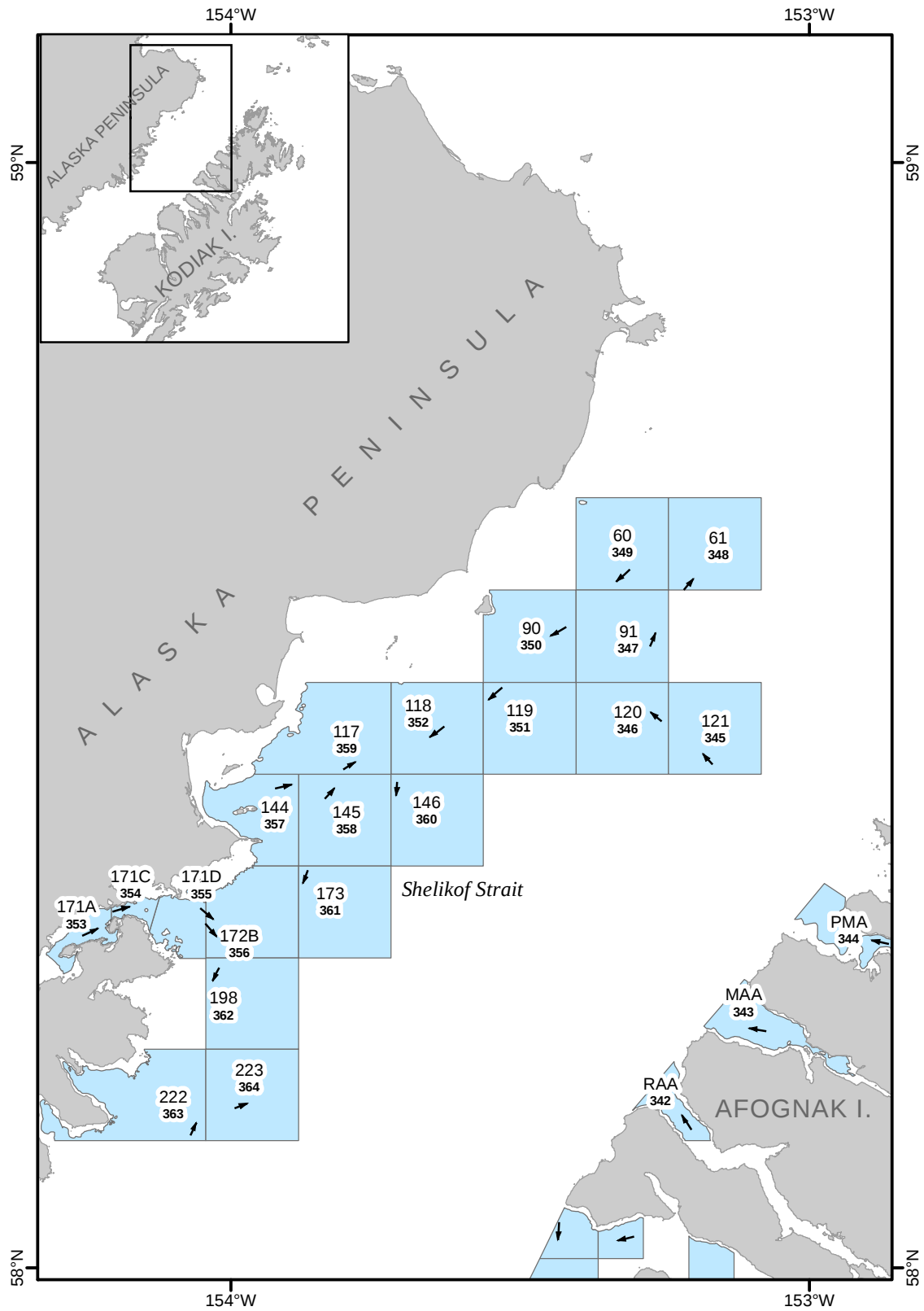
Appendix C3.–Ugak Bay, Kiliuda Bay, and Barnabas Gully station boundaries with station name, trawl haul number (bold) and location and direction of haul (arrow), June and July 2017.



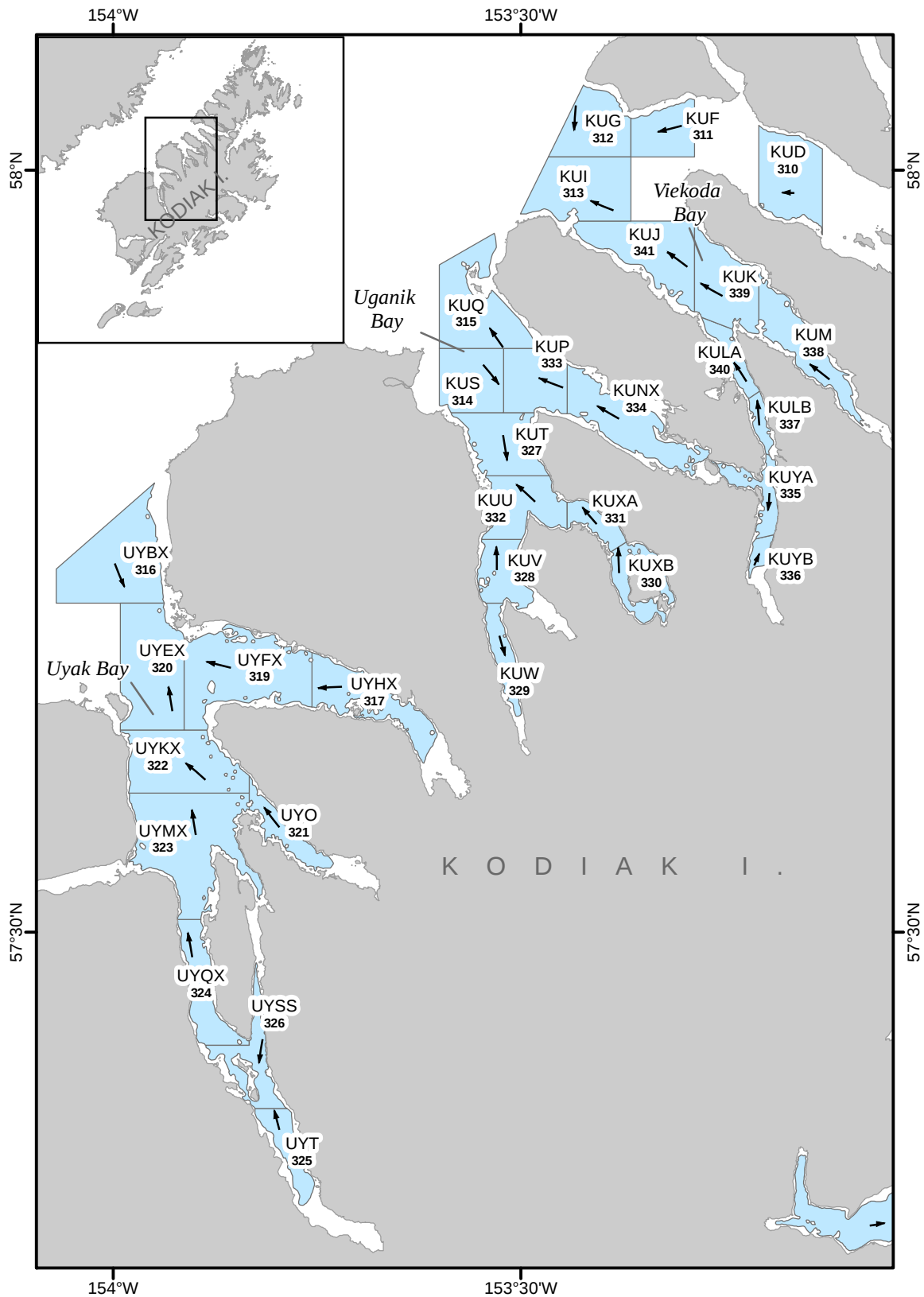
Appendix C4.–South Sitkalidak Strait, Twoheaded Island, and Horse's Head area station boundaries with station name, trawl haul number (bold) and location and direction of haul (arrow), June and July 2017.



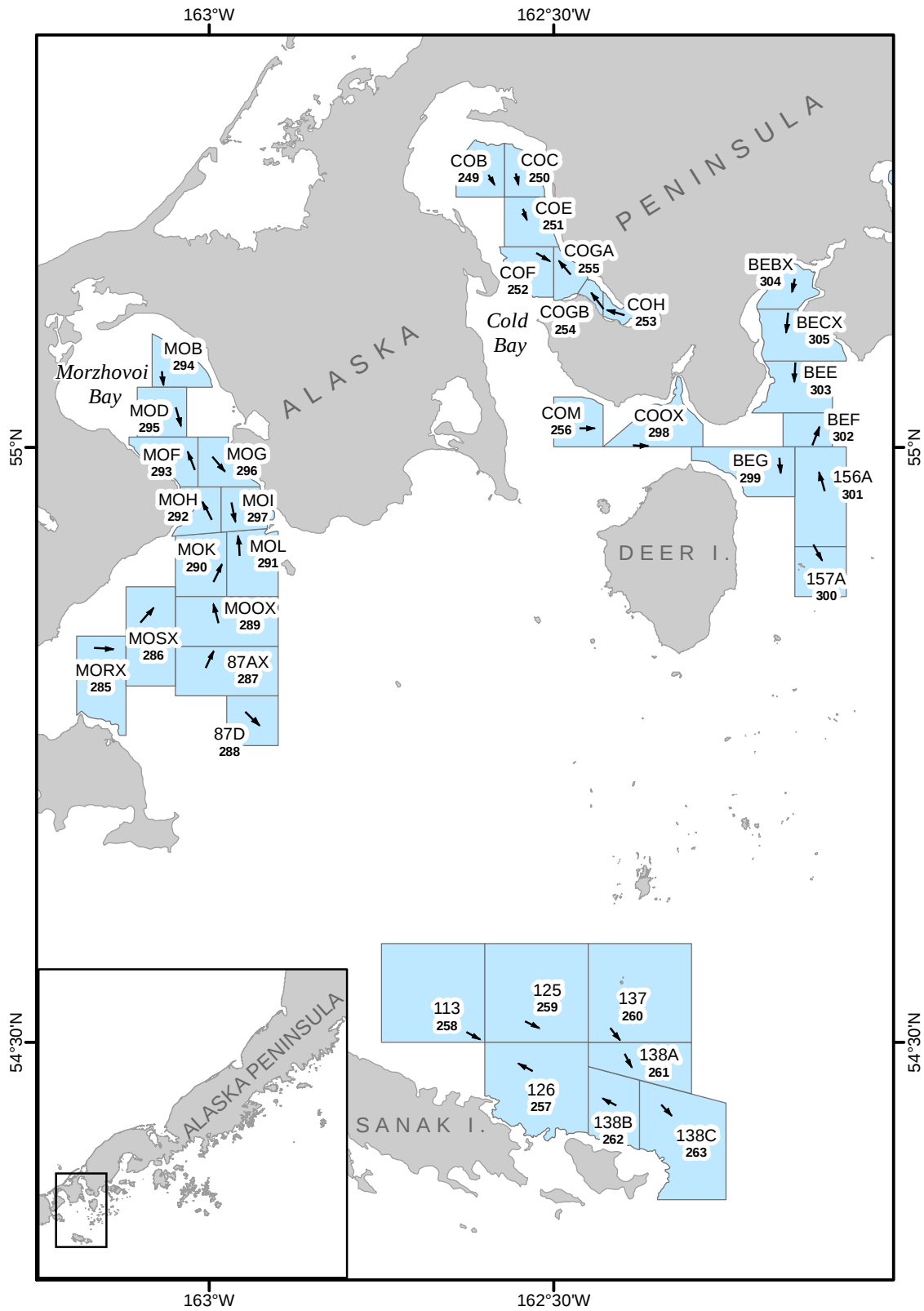
Appendix C5.—Alitak Bay and Alitak Flats station boundaries with station name, trawl haul number (bold) and location and direction of haul (arrow), June and July 2017.



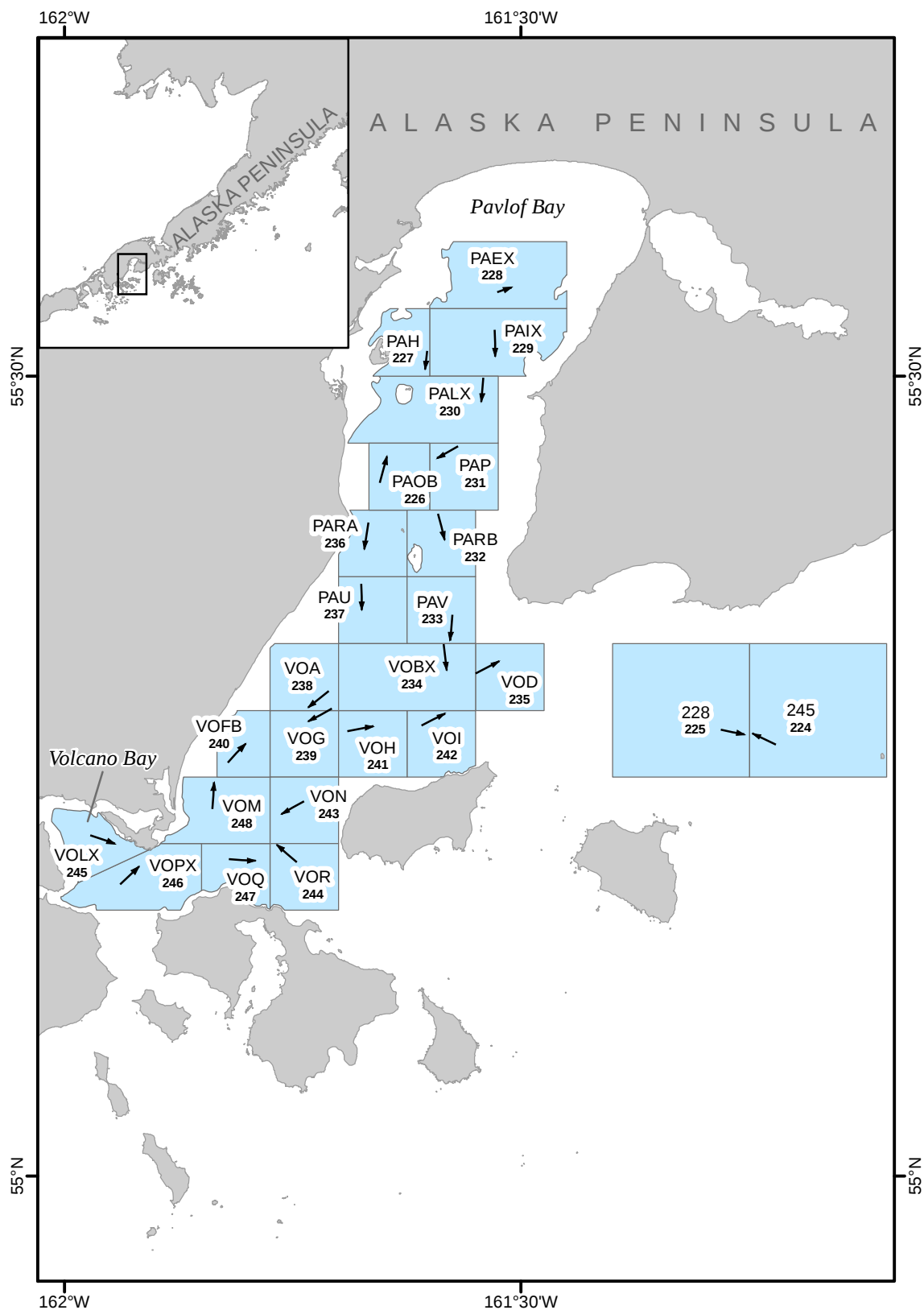
Appendix C6.—Shelikof Strait and Afognak Island station boundaries with station name, trawl haul number (bold) and location and direction of haul (arrow), August and September 2017.



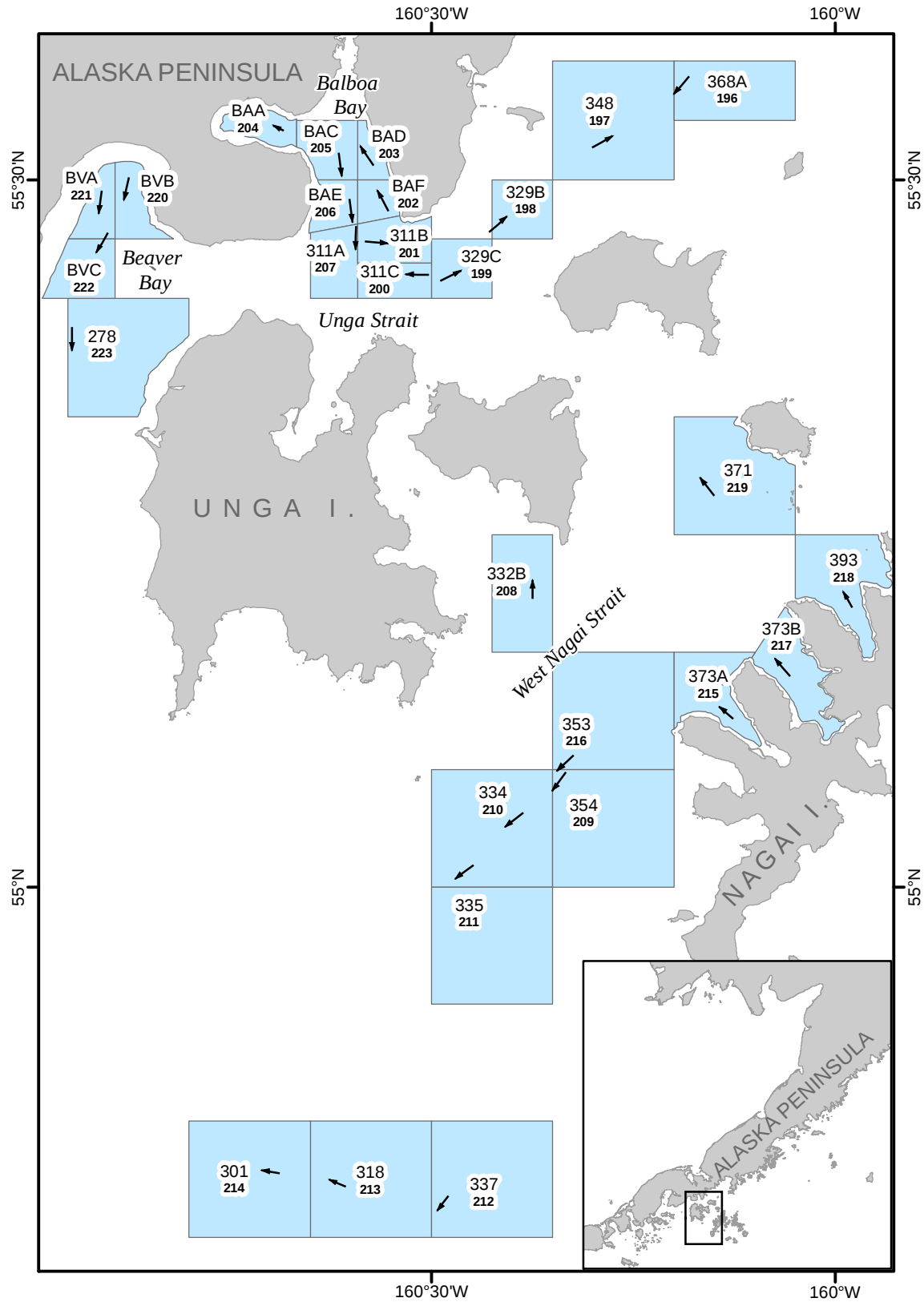
Appendix C7.—Uyak Bay, Uganik Bay, and Viekada Bay station boundaries with station name, trawl haul number (bold) and location and direction of haul (arrow), August and 2017.



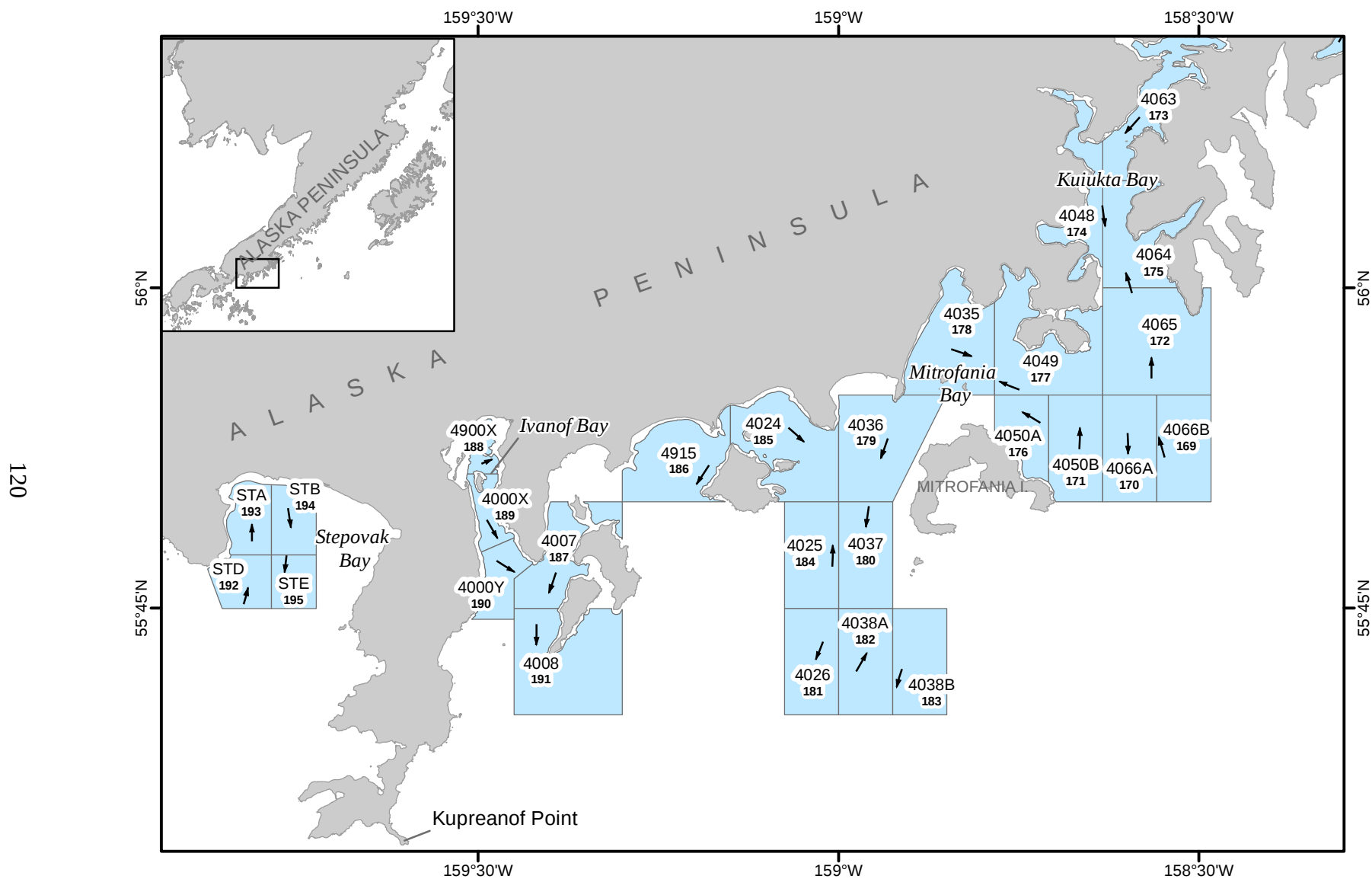
Appendix C8.—Morzhovoi Bay, Cold Bay, Belkofski Bay, Deer Island, and Sanak Island station boundaries with station name, trawl haul number (bold) and location and direction of haul (arrow), July and August 2017.



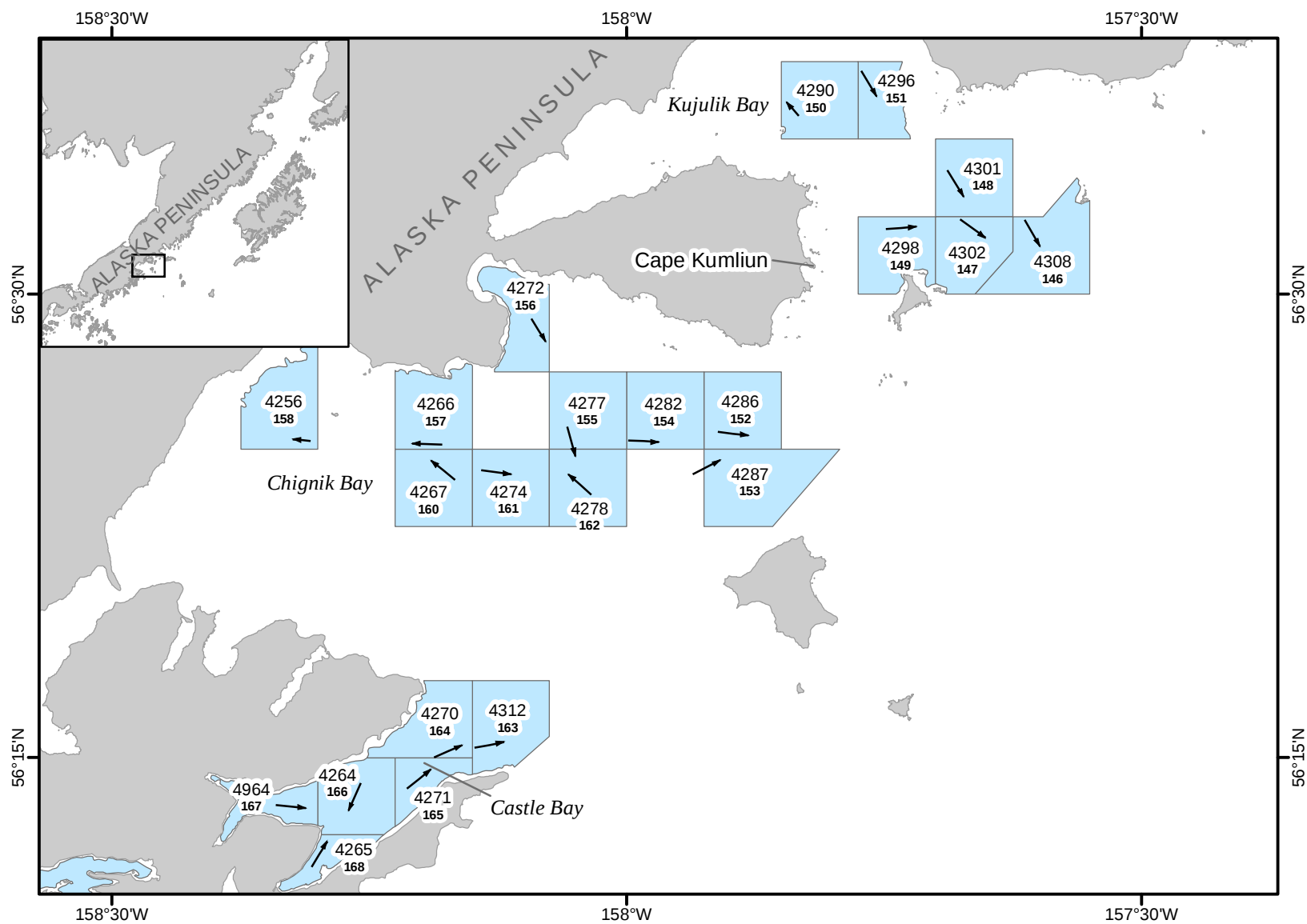
Appendix C9.–Pavlof Bay and Volcano Bay station boundaries with station name, trawl haul number (bold) and location and direction of haul (arrow), July 2017.



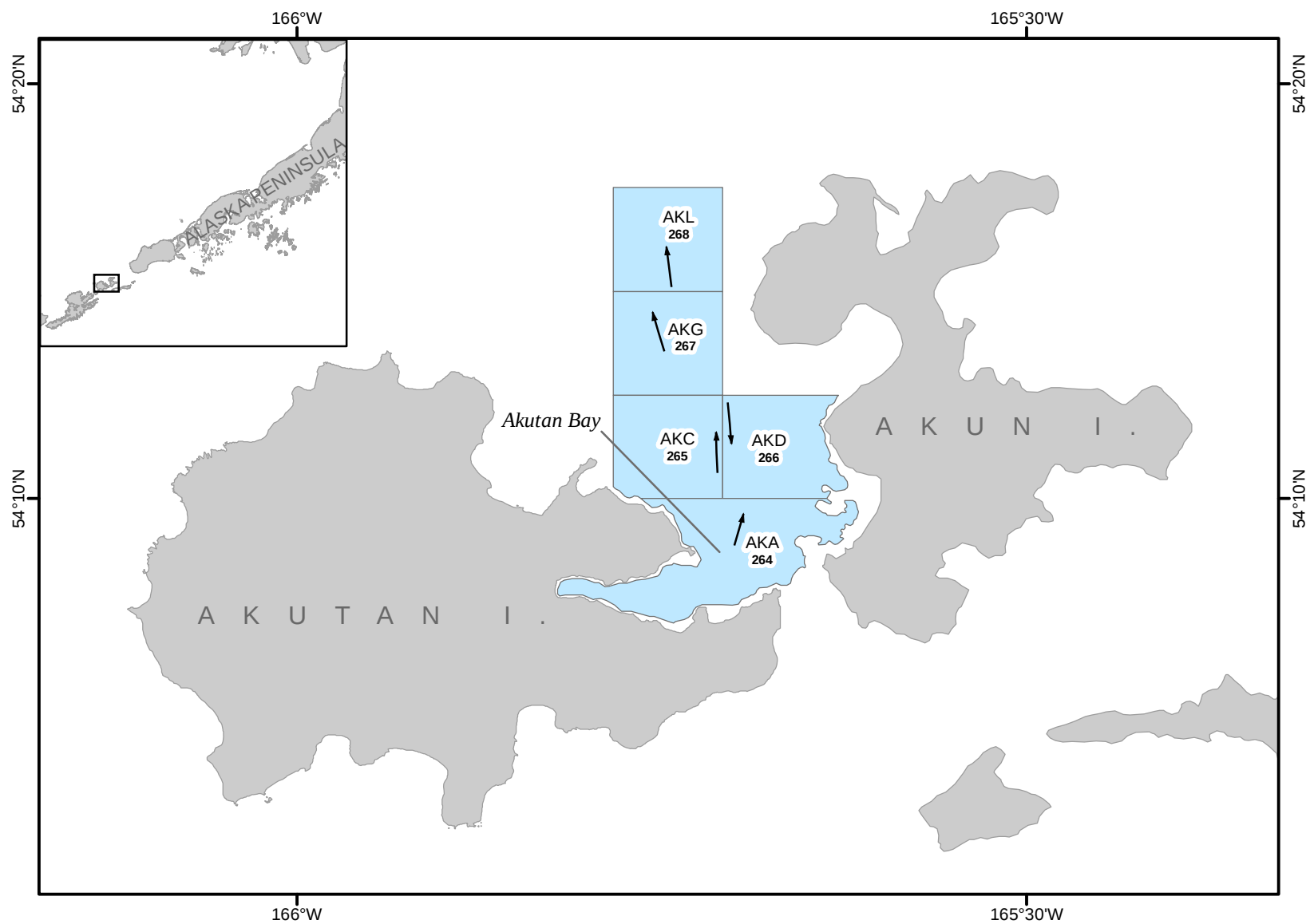
Appendix C10.—Unga Strait, Beaver Bay, Balboa Bay, and West Nagai Strait station boundaries with station name, trawl haul number (bold) and location and direction of haul (arrow), July 2017.



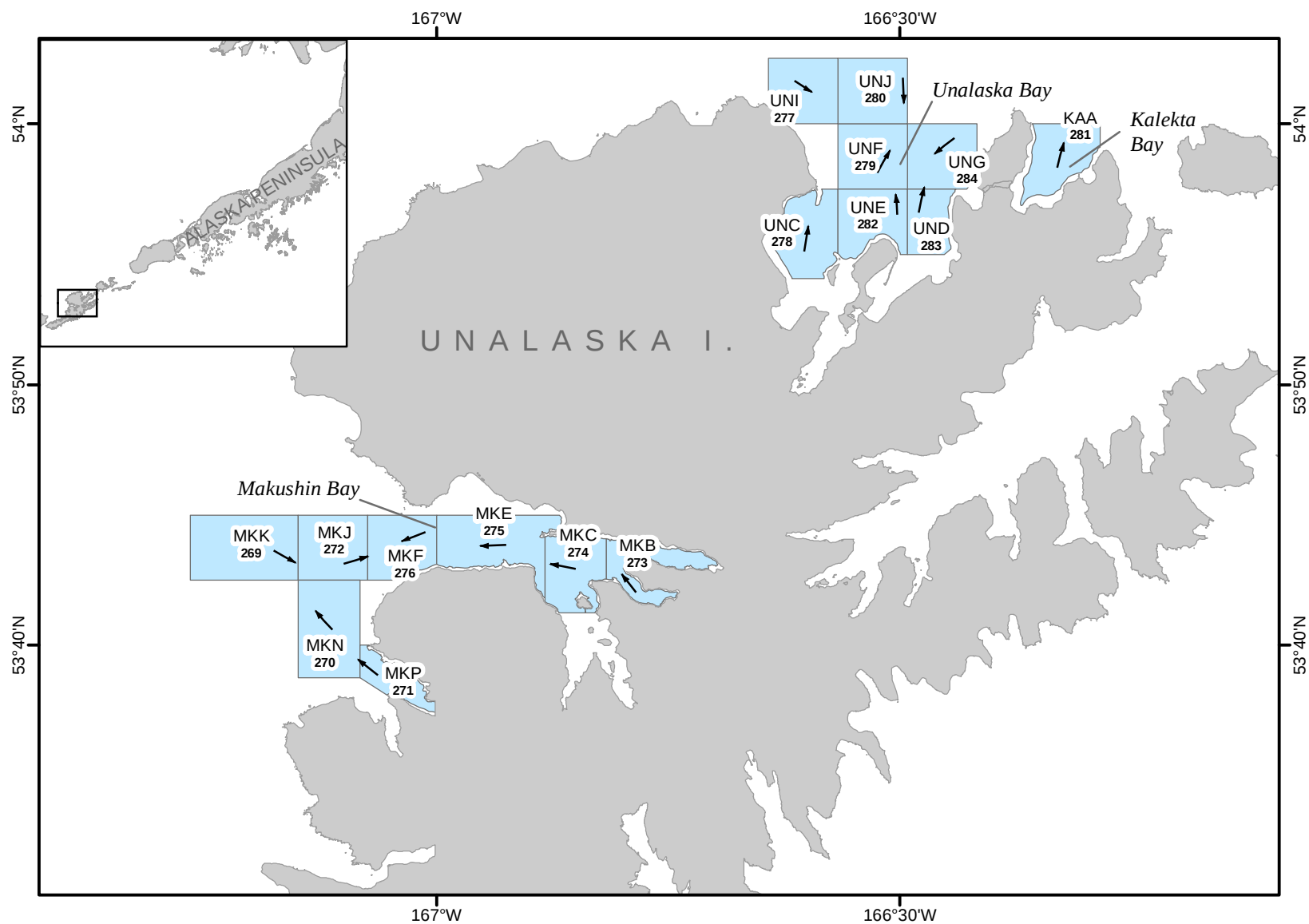
Appendix C11.—Stepovak Bay, Ivanof Bay, Kuiukta Bay, and Mitrofanina Bay station boundaries with station name, trawl haul number (bold) and location and direction of haul (arrow), July 2017.



Appendix C12.—Kujulik Bay, Chignik Bay, and Castle Bay station boundaries with station name, trawl haul number (bold) and location and direction of haul (arrow), July 2017.



Appendix C13.—Akutan Bay station boundaries with station name, trawl haul number (bold) and location and direction of haul (arrow), August 2017.



Appendix C14.—Unalaska Bay, Kalekta Bay, and Makushin Bay station boundaries with station name, trawl haul number (bold) and location and direction of haul (arrow), August 2017.



**APPENDIX D. TANNER CRAB ABUNDANCE ESTIMATES  
BY STATION**

Appendix D1.–Tanner crab abundance estimates in the Kodiak District by station and section, 2017.

|                   | Haul | Females  |         |         | Number sublegal males by size (CW) |          |           |         | Recruit | Postrecruit males (CW) |         | Legal  | Total   | Total     |
|-------------------|------|----------|---------|---------|------------------------------------|----------|-----------|---------|---------|------------------------|---------|--------|---------|-----------|
| Station           | no.  | Juvenile | Mature  | Total   | <70 mm                             | 70–91 mm | 92–114 mm | >114 mm | males   | <165 mm                | ≥165 mm | males  | males   | crab      |
| NORTHEAST Section |      |          |         |         |                                    |          |           |         |         |                        |         |        |         |           |
| 255A              | 7    | 31,380   | 5,705   | 37,085  | 62,759                             | 0        | 2,853     | 0       | 0       | 0                      | 0       | 0      | 65,612  | 102,697   |
| 255B              | 8    | 22,639   | 31,129  | 53,768  | 0                                  | 8,490    | 8,490     | 25,469  | 0       | 0                      | 0       | 0      | 42,448  | 96,216    |
| 256               | 9    | 10,914   | 3,638   | 14,552  | 3,638                              | 3,638    | 0         | 0       | 0       | 0                      | 0       | 0      | 7,276   | 21,828    |
| 257               | 10   | 0        | 0       | 0       | 3,638                              | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 3,638   | 3,638     |
| 283A              | 13   | 147,373  | 168,427 | 315,800 | 117,297                            | 6,015    | 30,076    | 18,046  | 0       | 0                      | 0       | 0      | 171,434 | 487,234   |
| 283B              | 12   | 34,032   | 17,016  | 51,048  | 19,852                             | 0        | 19,852    | 8,508   | 0       | 0                      | 0       | 0      | 48,212  | 99,259    |
| 284               | 11   | 3,647    | 14,588  | 18,236  | 0                                  | 0        | 7,294     | 0       | 0       | 0                      | 0       | 0      | 7,294   | 25,530    |
| 285               | 6    | 7,294    | 0       | 7,294   | 7,294                              | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 7,294   | 14,588    |
| 313               | 4    | 296,205  | 18,988  | 315,193 | 326,585                            | 3,798    | 11,393    | 7,595   | 0       | 0                      | 0       | 0      | 349,370 | 664,563   |
| 369X              | 33   | 6,325    | 0       | 6,325   | 6,325                              | 6,325    | 0         | 0       | 0       | 0                      | 0       | 0      | 12,650  | 18,975    |
| 395               | 34   | 79,748   | 0       | 79,748  | 41,773                             | 3,798    | 0         | 0       | 0       | 0                      | 0       | 0      | 45,570  | 125,318   |
| 420               | 35   | 23,051   | 0       | 23,051  | 13,830                             | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 13,830  | 36,881    |
| 421               | 36   | 41,491   | 4,610   | 46,102  | 50,712                             | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 50,712  | 96,813    |
| 443               | 38   | 73,945   | 9,243   | 83,188  | 36,972                             | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 36,972  | 120,160   |
| 444               | 37   | 27,729   | 198,727 | 226,456 | 13,865                             | 23,108   | 4,622     | 0       | 0       | 0                      | 0       | 0      | 41,594  | 268,050   |
| CHA               | 2    | 729      | 0       | 729     | 5,104                              | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 5,104   | 5,833     |
| CHB               | 1    | 4,891    | 699     | 5,590   | 6,987                              | 699      | 0         | 0       | 0       | 0                      | 0       | 0      | 7,686   | 13,276    |
| CHE               | 3    | 1,519    | 0       | 1,519   | 0                                  | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 0       | 1,519     |
| CHF               | 3    | 465,646  | 48,611  | 514,257 | 649,328                            | 17,362   | 10,417    | 20,834  | 3,472   | 0                      | 0       | 3,472  | 701,413 | 1,215,671 |
| CHG               | 32   | 29,013   | 0       | 29,013  | 24,661                             | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 24,661  | 53,674    |
| CHJ               | 31   | 1,504    | 0       | 1,504   | 1,003                              | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 1,003   | 2,506     |
| CHK               | 1    | 81,553   | 35,790  | 117,343 | 142,498                            | 3,893    | 4,672     | 3,115   | 0       | 0                      | 0       | 0      | 154,178 | 271,521   |
| CHL               | 2    | 91,550   | 0       | 91,550  | 110,234                            | 623      | 0         | 0       | 623     | 0                      | 0       | 623    | 111,479 | 203,030   |
| KZA               | 26   | 2,066    | 0       | 2,066   | 1,033                              | 8,263    | 0         | 0       | 0       | 0                      | 0       | 0      | 9,296   | 11,362    |
| KZB               | 27   | 486      | 243     | 729     | 0                                  | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 0       | 729       |
| KZD               | 28   | 1,165    | 0       | 1,165   | 5,823                              | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 5,823   | 6,987     |
| KZE               | 308  | 1,632    | 0       | 1,632   | 1,632                              | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 1,632   | 3,264     |
| KZF               | 29   | 17,803   | 0       | 17,803  | 10,173                             | 3,815    | 1,272     | 0       | 0       | 0                      | 0       | 0      | 15,259  | 33,062    |
| KZG               | 307  | 55,475   | 3,761   | 59,236  | 53,595                             | 1,881    | 0         | 0       | 0       | 0                      | 0       | 0      | 55,475  | 114,712   |
| KZJ               | 30   | 14,241   | 0       | 14,241  | 18,988                             | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 18,988  | 33,228    |
| KZK               | 306  | 42,722   | 32,279  | 75,001  | 86,374                             | 65,077   | 61,527    | 21,298  | 5,916   | 0                      | 0       | 5,916  | 240,192 | 315,192   |
| KZO               | 25   | 8,544    | 0       | 8,544   | 13,291                             | 2,848    | 5,696     | 949     | 0       | 0                      | 0       | 0      | 22,785  | 31,329    |
| KZR               | 24   | 9,315    | 94,186  | 103,502 | 1,431                              | 15,740   | 37,203    | 25,279  | 4,770   | 11,924                 | 0       | 16,694 | 96,347  | 199,849   |

-continued-

## Appendix D1.–Page 2 of 7.

| Station            | Haul no. | Females   |           |           | Number sublegal males by size (CW) |          |           |           | Recruit males | Postrecruit males (CW) |         | Legal males | Total males | Total crab |
|--------------------|----------|-----------|-----------|-----------|------------------------------------|----------|-----------|-----------|---------------|------------------------|---------|-------------|-------------|------------|
|                    |          | Juvenile  | Mature    | Total     | <70 mm                             | 70–91 mm | 92–114 mm | >114 mm   |               | <165 mm                | ≥165 mm |             |             |            |
| KZS                | 23       | 9,741     | 6,323     | 16,063    | 2,734                              | 12,133   | 5,127     | 4,614     | 1,709         | 684                    | 0       | 2,392       | 27,000      | 43,064     |
| MOEX               | 18       | 64,163    | 0         | 64,163    | 84,786                             | 0        | 0         | 0         | 0             | 0                      | 0       | 0           | 84,786      | 148,949    |
| MOGX               | 19       | 247,901   | 5,833     | 253,734   | 355,811                            | 0        | 8,749     | 2,916     | 2,916         | 0                      | 0       | 2,916       | 370,393     | 624,127    |
| MOLA               | 17       | 19,856    | 0         | 19,856    | 21,097                             | 0        | 0         | 0         | 0             | 0                      | 0       | 0           | 21,097      | 40,954     |
| MOLB               | 20       | 346,902   | 0         | 346,902   | 445,759                            | 0        | 2,240     | 0         | 0             | 0                      | 0       | 0           | 447,999     | 794,900    |
| MONX               | 22       | 188,310   | 887,749   | 1,076,060 | 141,830                            | 130,330  | 252,994   | 237,661   | 7,666         | 11,500                 | 0       | 19,166      | 781,981     | 1,858,041  |
| MOPA               | 16       | 68,902    | 0         | 68,902    | 103,353                            | 1,230    | 0         | 0         | 0             | 0                      | 0       | 0           | 104,583     | 173,485    |
| MOPB               | 21       | 44,932    | 13,215    | 58,147    | 60,790                             | 881      | 1,762     | 881       | 0             | 0                      | 0       | 0           | 64,314      | 122,462    |
| MOXA               | 14       | 58,299    | 2,886     | 61,185    | 85,429                             | 1,732    | 0         | 0         | 0             | 0                      | 0       | 0           | 87,160      | 148,346    |
| MOXB               | 15       | 10,451    | 0         | 10,451    | 16,982                             | 0        | 0         | 0         | 0             | 0                      | 0       | 0           | 16,982      | 27,433     |
| Abundance Estimate |          | 2,695,084 | 1,603,646 | 4,298,733 | 3,155,266                          | 321,679  | 476,239   | 377,165   | 27,072        | 24,108                 | 0       | 51,179      | 4,381,522   | 8,680,255  |
| EASTSIDE Section   |          |           |           |           |                                    |          |           |           |               |                        |         |             |             |            |
| 486A               | 52       | 0         | 152,814   | 152,814   | 16,554                             | 0        | 579,402   | 1,009,815 | 33,109        | 0                      | 0       | 33,109      | 1,638,879   | 1,791,694  |
| 486B               | 51       | 0         | 0         | 0         | 1,300                              | 0        | 0         | 0         | 0             | 0                      | 0       | 0           | 1,300       | 1,300      |
| 510C               | 56       | 952       | 0         | 952       | 0                                  | 0        | 2,857     | 8,572     | 952           | 0                      | 0       | 952         | 12,381      | 13,334     |
| 510D               | 54       | 3,369     | 38,745    | 42,114    | 0                                  | 6,504    | 117,065   | 461,757   | 22,763        | 45,525                 | 0       | 68,288      | 653,614     | 695,728    |
| 511A               | 57       | 0         | 0         | 0         | 1,861                              | 1,861    | 46,519    | 254,926   | 52,102        | 0                      | 0       | 52,102      | 357,269     | 357,269    |
| 511B               | 58       | 1,899     | 0         | 1,899     | 3,798                              | 0        | 0         | 0         | 1,899         | 0                      | 0       | 1,899       | 5,696       | 7,595      |
| 533A               | 144      | 28,481    | 1,899     | 30,380    | 34,178                             | 0        | 0         | 11,393    | 1,899         | 1,899                  | 0       | 3,798       | 49,368      | 79,748     |
| 533B               | 64       | 191,774   | 0         | 191,774   | 262,844                            | 0        | 4,823     | 50,640    | 161,565       | 2,411                  | 0       | 163,976     | 482,283     | 674,056    |
| 534BX              | 62       | 27,661    | 0         | 27,661    | 23,051                             | 922      | 6,454     | 7,376     | 922           | 0                      | 0       | 922         | 38,725      | 66,386     |
| 534DX              | 65       | 29,985    | 0         | 29,985    | 18,562                             | 0        | 4,284     | 0         | 0             | 0                      | 0       | 0           | 22,846      | 52,831     |
| 535A               | 61       | 13,057    | 1,865     | 14,923    | 12,027                             | 0        | 10,691    | 217,826   | 28,064        | 0                      | 0       | 28,064      | 268,608     | 283,530    |
| 535B               | 59       | 99,684    | 2,848     | 102,533   | 58,861                             | 3,798    | 5,696     | 4,747     | 0             | 0                      | 0       | 0           | 73,102      | 175,634    |
| 535C               | 66       | 12,125    | 0         | 12,125    | 4,663                              | 0        | 3,731     | 5,596     | 0             | 0                      | 0       | 0           | 13,990      | 26,115     |
| 535D               | 60       | 41,773    | 0         | 41,773    | 33,228                             | 18,038   | 35,127    | 26,583    | 2,848         | 949                    | 0       | 3,798       | 116,773     | 158,546    |
| 559                | 145      | 803,786   | 874,709   | 1,678,495 | 1,009,237                          | 232,901  | 108,687   | 147,504   | 7,763         | 69,870                 | 0       | 77,634      | 1,575,962   | 3,254,457  |
| 560                | 70       | 1,290,776 | 19,362    | 1,310,138 | 1,053,960                          | 64,768   | 23,552    | 23,552    | 0             | 0                      | 0       | 0           | 1,165,832   | 2,475,970  |
| 561                | 67       | 330,383   | 18,988    | 349,370   | 197,470                            | 3,798    | 34,178    | 189,875   | 60,760        | 3,798                  | 3,798   | 68,355      | 493,675     | 843,045    |
| 587                | 136      | 740,513   | 30,380    | 770,893   | 668,360                            | 45,570   | 7,595     | 41,773    | 0             | 0                      | 0       | 0           | 763,298     | 1,534,190  |
| 588                | 69       | 899,248   | 72,912    | 972,160   | 747,884                            | 180,940  | 132,689   | 168,877   | 0             | 0                      | 0       | 0           | 1,230,390   | 2,202,550  |
| 589                | 68       | 26,395    | 862,220   | 888,615   | 15,190                             | 18,988   | 132,913   | 155,698   | 0             | 30,380                 | 0       | 30,380      | 353,168     | 1,241,782  |

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## Appendix D1.–Page 3 of 7.

| Station            | Haul no. | Females   |           |            | Number sublegal males by size (CW) |          |           |           | Recruit males | Postrecruit males (CW) |         | Legal males | Total males | Total crab |
|--------------------|----------|-----------|-----------|------------|------------------------------------|----------|-----------|-----------|---------------|------------------------|---------|-------------|-------------|------------|
|                    |          | Juvenile  | Mature    | Total      | <70 mm                             | 70–91 mm | 92–114 mm | >114 mm   |               | <165 mm                | ≥165 mm |             |             |            |
| 619                | 135      | 41,773    | 68,355    | 110,128    | 56,963                             | 30,380   | 68,355    | 53,165    | 0             | 3,798                  | 0       | 3,798       | 212,660     | 322,788    |
| 620                | 137      | 845,132   | 77,661    | 922,793    | 645,575                            | 56,963   | 53,165    | 18,988    | 0             | 7,595                  | 0       | 7,595       | 782,285     | 1,705,078  |
| 621                | 143      | 94,938    | 7,595     | 102,533    | 83,545                             | 11,393   | 18,988    | 22,785    | 0             | 0                      | 0       | 0           | 136,710     | 239,243    |
| 654                | 139      | 43,400    | 0         | 43,400     | 16,275                             | 0        | 10,850    | 5,425     | 0             | 0                      | 0       | 0           | 32,550      | 75,950     |
| 655                | 138      | 1,097,478 | 193,673   | 1,291,150  | 640,884                            | 46,687   | 76,397    | 97,618    | 0             | 4,244                  | 0       | 4,244       | 865,830     | 2,156,980  |
| 656                | 142      | 59,072    | 8,439     | 67,511     | 37,975                             | 8,439    | 0         | 0         | 0             | 0                      | 0       | 0           | 46,414      | 113,925    |
| 695                | 140      | 743,968   | 296,547   | 1,040,515  | 560,587                            | 151,634  | 101,089   | 105,684   | 0             | 0                      | 0       | 0           | 918,995     | 1,959,510  |
| 696                | 141      | 56,963    | 725,323   | 782,285    | 3,798                              | 7,595    | 94,938    | 250,635   | 0             | 22,785                 | 0       | 22,785      | 379,750     | 1,162,035  |
| KLA                | 72       | 26,253    | 1,544     | 27,798     | 40,152                             | 0        | 0         | 0         | 0             | 0                      | 0       | 0           | 40,152      | 67,950     |
| KLB                | 73       | 80,385    | 410       | 80,796     | 88,485                             | 0        | 0         | 445       | 0             | 889                    | 0       | 889         | 89,818      | 170,614    |
| KLC                | 74       | 169,525   | 28,750    | 198,275    | 164,508                            | 1,732    | 0         | 5,195     | 0             | 4,329                  | 0       | 4,329       | 175,763     | 374,039    |
| KLD                | 55       | 0         | 0         | 0          | 0                                  | 0        | 1,150     | 0         | 0             | 0                      | 0       | 0           | 1,150       | 1,150      |
| KLE                | 79       | 5,468     | 0         | 5,468      | 2,187                              | 0        | 0         | 1,094     | 0             | 0                      | 0       | 0           | 3,281       | 8,749      |
| KLF                | 78       | 9,357     | 2,005     | 11,362     | 11,362                             | 0        | 668       | 2,673     | 3,342         | 0                      | 0       | 3,342       | 18,046      | 29,408     |
| KLH                | 77       | 37,167    | 121,781   | 158,948    | 53,955                             | 729      | 2,916     | 22,603    | 18,228        | 2,187                  | 0       | 20,415      | 100,619     | 259,567    |
| KLH                | 76       | 7,443     | 1,489     | 8,932      | 4,186                              | 1,046    | 5,232     | 89,995    | 103,599       | 7,325                  | 0       | 110,924     | 211,384     | 220,316    |
| KLI                | 75       | 29,431    | 0         | 29,431     | 23,734                             | 0        | 949       | 23,734    | 12,342        | 8,544                  | 0       | 20,886      | 69,304      | 98,735     |
| KLL                | 63       | 1,899     | 0         | 1,899      | 3,798                              | 0        | 1,899     | 8,544     | 1,899         | 949                    | 0       | 2,848       | 17,089      | 18,988     |
| UGAA               | 41       | 1,419     | 3,547     | 4,966      | 0                                  | 0        | 41,176    | 380,082   | 205,878       | 0                      | 6,335   | 212,212     | 633,470     | 638,436    |
| UGAC               | 39       | 0         | 471       | 471        | 0                                  | 471      | 1,884     | 12,714    | 1,648         | 0                      | 0       | 1,648       | 16,717      | 17,187     |
| UGAD               | 40       | 2,395     | 0         | 2,395      | 1,524                              | 2,177    | 4,354     | 20,248    | 12,193        | 218                    | 0       | 12,410      | 40,714      | 43,109     |
| UGB                | 42       | 1,033     | 516       | 1,549      | 775                                | 0        | 1,033     | 0         | 0             | 0                      | 0       | 0           | 1,808       | 3,357      |
| UGC                | 43       | 49,580    | 0         | 49,580     | 72,046                             | 0        | 5,423     | 775       | 775           | 0                      | 0       | 775         | 79,018      | 128,599    |
| UGD                | 44       | 13,610    | 486       | 14,096     | 13,610                             | 486      | 6,319     | 19,443    | 3,403         | 0                      | 0       | 3,403       | 43,261      | 57,357     |
| UGE                | 46       | 16,299    | 5,620     | 21,919     | 21,919                             | 0        | 15,175    | 26,415    | 5,058         | 0                      | 0       | 5,058       | 68,568      | 90,487     |
| UGF                | 47       | 5,590     | 111,798   | 117,388    | 3,494                              | 4,891    | 23,757    | 27,251    | 3,494         | 699                    | 0       | 4,192       | 63,585      | 180,974    |
| UGG                | 49       | 972       | 486       | 1,458      | 1,458                              | 0        | 0         | 0         | 0             | 0                      | 0       | 0           | 1,458       | 2,916      |
| UGI                | 48       | 26,658    | 36,532    | 63,190     | 28,633                             | 3,949    | 39,494    | 75,039    | 3,949         | 5,924                  | 0       | 9,874       | 156,989     | 220,179    |
| UGJ                | 50       | 0         | 2,784     | 2,784      | 0                                  | 0        | 0         | 0         | 0             | 0                      | 0       | 0           | 0           | 2,784      |
| UGM                | 53       | 2,233     | 113,879   | 116,112    | 0                                  | 1,426    | 59,878    | 206,722   | 12,831        | 5,703                  | 0       | 18,534      | 286,559     | 402,672    |
| Abundance Estimate |          | 8,011,302 | 3,886,433 | 11,897,736 | 6,744,456                          | 908,086  | 1,891,352 | 4,263,782 | 763,285       | 230,021                | 10,133  | 1,003,438   | 14,811,106  | 26,708,842 |

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## Appendix D1.–Page 4 of 7.

|                    | Haul | Females   |         |           | Number sublegal males by size (CW) |           |           |         | Recruit | Postrecruit males (CW) |         | Legal   | Total      | Total      |
|--------------------|------|-----------|---------|-----------|------------------------------------|-----------|-----------|---------|---------|------------------------|---------|---------|------------|------------|
| Station            | no.  | Juvenile  | Mature  | Total     | <70 mm                             | 70–91 mm  | 92–114 mm | >114 mm | males   | <165 mm                | ≥165 mm | males   | males      | crab       |
| SOUTHEAST Section  |      |           |         |           |                                    |           |           |         |         |                        |         |         |            |            |
| THN                | 80   | 44,557    | 506     | 45,064    | 79,169                             | 1,632     | 0         | 1,224   | 0       | 0                      | 0       | 0       | 82,026     | 127,090    |
| THM                | 81   | 91,235    | 589     | 91,824    | 133,455                            | 5,528     | 3,159     | 10,266  | 7,107   | 0                      | 0       | 7,107   | 159,514    | 251,338    |
| THL                | 82   | 9,114     | 19,595  | 28,709    | 6,836                              | 0         | 0         | 6,380   | 0       | 1,823                  | 0       | 1,823   | 15,038     | 43,747     |
| THK                | 83   | 17,499    | 40,831  | 58,330    | 20,415                             | 0         | 1,458     | 31,352  | 60,517  | 8,749                  | 1,458   | 70,725  | 123,950    | 182,280    |
| THJ                | 84   | 186,096   | 9,795   | 195,890   | 201,338                            | 1,144     | 0         | 20,591  | 4,576   | 4,576                  | 0       | 9,152   | 232,225    | 428,115    |
| THI                | 85   | 21,053    | 0       | 21,053    | 24,881                             | 0         | 0         | 0       | 0       | 0                      | 0       | 0       | 24,881     | 45,935     |
| THFA               | 86   | 13,576    | 13,576  | 27,152    | 35,791                             | 0         | 0         | 1,234   | 0       | 0                      | 0       | 0       | 37,026     | 64,178     |
| THG                | 87   | 333,149   | 1,625   | 334,774   | 391,230                            | 2,017     | 0         | 6,050   | 0       | 2,017                  | 0       | 2,017   | 401,313    | 736,087    |
| THH                | 88   | 87,616    | 0       | 87,616    | 126,745                            | 0         | 0         | 0       | 0       | 0                      | 0       | 0       | 126,745    | 214,361    |
| THDX               | 89   | 614,949   | 0       | 614,949   | 911,869                            | 0         | 4,537     | 13,610  | 0       | 0                      | 0       | 0       | 930,015    | 1,544,964  |
| 725                | 118  | 10,850    | 0       | 10,850    | 27,125                             | 0         | 0         | 0       | 0       | 0                      | 0       | 0       | 27,125     | 37,975     |
| 688                | 119  | 197,470   | 11,393  | 208,863   | 220,255                            | 7,595     | 3,798     | 3,798   | 0       | 0                      | 0       | 0       | 235,445    | 444,308    |
| 726                | 120  | 353,168   | 30,380  | 383,548   | 337,978                            | 7,595     | 7,595     | 0       | 0       | 0                      | 0       | 0       | 353,168    | 736,715    |
| 727                | 121  | 641,778   | 68,355  | 710,133   | 554,435                            | 56,963    | 18,988    | 0       | 0       | 0                      | 0       | 0       | 630,385    | 1,340,518  |
| 759                | 122  | 212,660   | 3,798   | 216,458   | 231,648                            | 11,393    | 3,798     | 0       | 0       | 0                      | 0       | 0       | 246,838    | 463,295    |
| 760                | 123  | 277,218   | 3,798   | 281,015   | 360,763                            | 3,798     | 3,798     | 11,393  | 0       | 0                      | 0       | 0       | 379,750    | 660,765    |
| 728                | 124  | 596,208   | 106,330 | 702,538   | 436,713                            | 79,748    | 30,380    | 15,190  | 0       | 0                      | 0       | 0       | 562,030    | 1,264,568  |
| 761                | 125  | 440,510   | 72,153  | 512,663   | 284,813                            | 205,065   | 37,975    | 7,595   | 0       | 0                      | 0       | 0       | 535,448    | 1,048,110  |
| 729                | 126  | 296,205   | 0       | 296,205   | 205,065                            | 75,950    | 11,393    | 15,190  | 0       | 3,798                  | 0       | 3,798   | 311,395    | 607,600    |
| 651                | 127  | 721,525   | 98,735  | 820,260   | 759,040                            | 1,127,397 | 167,435   | 133,948 | 0       | 22,325                 | 0       | 22,325  | 2,210,145  | 3,030,405  |
| THA                | 128  | 14,110    | 0       | 14,110    | 19,308                             | 1,485     | 743       | 0       | 0       | 0                      | 0       | 0       | 21,536     | 35,646     |
| THCX               | 129  | 123,814   | 16,451  | 140,264   | 139,399                            | 6,927     | 866       | 6,927   | 0       | 1,732                  | 0       | 1,732   | 155,849    | 296,114    |
| 614                | 130  | 634,813   | 69,760  | 704,573   | 623,802                            | 94,159    | 11,770    | 35,310  | 0       | 23,540                 | 0       | 23,540  | 788,580    | 1,493,153  |
| 615                | 131  | 1,259,859 | 0       | 1,259,859 | 1,250,520                          | 6,652     | 13,303    | 39,910  | 0       | 19,955                 | 0       | 19,955  | 1,330,340  | 2,590,199  |
| 585X               | 132  | 94,248    | 38,397  | 132,645   | 139,626                            | 97,739    | 34,907    | 34,907  | 3,491   | 6,981                  | 0       | 10,472  | 317,650    | 450,295    |
| 586                | 133  | 1,044,228 | 90,802  | 1,135,031 | 1,365,853                          | 332,234   | 73,830    | 83,059  | 9,229   | 9,229                  | 0       | 18,457  | 1,873,433  | 3,008,464  |
| 618A               | 134  | 74,051    | 15,190  | 89,241    | 94,938                             | 34,178    | 17,089    | 20,886  | 0       | 0                      | 0       | 0       | 167,090    | 256,331    |
| Abundance Estimate |      | 8,411,559 | 712,059 | 9,123,617 | 8,983,010                          | 2,159,199 | 446,822   | 498,820 | 84,920  | 104,725                | 1,458   | 191,103 | 12,278,940 | 21,402,556 |
| SOUTHWEST Section  |      |           |         |           |                                    |           |           |         |         |                        |         |         |            |            |
| ALD                | 90   | 22,512    | 14,431  | 36,942    | 24,781                             | 0         | 11,437    | 230,654 | 112,468 | 11,437                 | 0       | 123,905 | 390,778    | 427,720    |

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## Appendix D1.–Page 5 of 7.

| Station            | Haul no. | Females  |         |         | Number sublegal males by size (CW) |          |           |         | Recruit males | Postrecruit males (CW) |         | Legal males | Total males | Total crab |
|--------------------|----------|----------|---------|---------|------------------------------------|----------|-----------|---------|---------------|------------------------|---------|-------------|-------------|------------|
|                    |          | Juvenile | Mature  | Total   | <70 mm                             | 70–91 mm | 92–114 mm | >114 mm |               | <165 mm                | ≥165 mm |             |             |            |
| ALBX               | 91       | 0        | 0       | 0       | 567                                | 0        | 0         | 567     | 0             | 0                      | 0       | 0           | 1,133       | 1,133      |
| 646D               | 92       | 21,073   | 0       | 21,073  | 27,093                             | 0        | 1,505     | 0       | 0             | 0                      | 0       | 0           | 28,599      | 49,671     |
| 646B               | 93       | 6,562    | 0       | 6,562   | 2,916                              | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 2,916       | 9,479      |
| 646A               | 94       | 8,400    | 0       | 8,400   | 9,600                              | 0        | 0         | 1,200   | 0             | 0                      | 0       | 0           | 10,800      | 19,200     |
| 645B               | 95       | 34,937   | 0       | 34,937  | 37,975                             | 1,519    | 3,038     | 10,633  | 0             | 1,519                  | 0       | 1,519       | 54,684      | 89,621     |
| 646C               | 96       | 30,874   | 0       | 30,874  | 41,988                             | 0        | 2,470     | 7,410   | 0             | 1,235                  | 0       | 1,235       | 53,103      | 83,976     |
| 682B               | 97       | 38,522   | 0       | 38,522  | 65,487                             | 0        | 3,852     | 3,852   | 0             | 963                    | 0       | 963         | 74,155      | 112,676    |
| 683A               | 98       | 7,874    | 0       | 7,874   | 7,874                              | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 7,874       | 15,749     |
| 683B               | 99       | 6,486    | 0       | 6,486   | 11,119                             | 0        | 927       | 0       | 0             | 0                      | 0       | 0           | 12,046      | 18,532     |
| ALF                | 100      | 36,076   | 145,254 | 181,331 | 34,178                             | 949      | 13,291    | 65,507  | 16,139        | 23,734                 | 0       | 39,874      | 153,799     | 335,129    |
| ALA                | 101      | 1,063    | 152     | 1,215   | 760                                | 0        | 152       | 608     | 0             | 0                      | 0       | 0           | 1,519       | 2,734      |
| 684B               | 102      | 911      | 0       | 911     | 2,279                              | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 2,279       | 3,190      |
| 684A               | 103      | 2,889    | 0       | 2,889   | 2,889                              | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 2,889       | 5,778      |
| 683D               | 104      | 18,456   | 0       | 18,456  | 18,046                             | 0        | 820       | 410     | 0             | 0                      | 0       | 0           | 19,276      | 37,732     |
| 684C               | 105      | 3,038    | 0       | 3,038   | 3,418                              | 380      | 0         | 0       | 0             | 0                      | 0       | 0           | 3,798       | 6,836      |
| ALCA               | 106      | 6,312    | 86,568  | 92,881  | 2,167                              | 0        | 15,712    | 78,020  | 2,167         | 10,294                 | 0       | 12,462      | 108,361     | 201,242    |
| ALG                | 107      | 80,173   | 21,144  | 101,317 | 103,079                            | 881      | 1,762     | 26,431  | 41,408        | 1,762                  | 0       | 43,170      | 175,323     | 276,640    |
| ALR                | 108      | 0        | 1,777   | 1,777   | 0                                  | 1,948    | 3,896     | 90,587  | 106,172       | 0                      | 0       | 106,172     | 202,604     | 204,381    |
| ALQ                | 109      | 4,466    | 2,552   | 7,018   | 2,571                              | 0        | 19,283    | 146,550 | 88,702        | 0                      | 0       | 88,702      | 257,106     | 264,124    |
| ALP                | 110      | 0        | 0       | 0       | 0                                  | 0        | 17,945    | 62,809  | 26,102        | 0                      | 0       | 26,102      | 106,857     | 106,857    |
| ALO                | 111      | 1,489    | 3,722   | 5,210   | 4,466                              | 2,977    | 8,932     | 45,403  | 46,892        | 0                      | 0       | 46,892      | 108,669     | 113,879    |
| ALL                | 112      | 2,552    | 0       | 2,552   | 5,468                              | 1,458    | 3,646     | 10,572  | 1,094         | 365                    | 0       | 1,458       | 22,603      | 25,155     |
| ALM                | 113      | 29,271   | 714     | 29,985  | 22,846                             | 7,853    | 5,711     | 35,697  | 37,124        | 714                    | 0       | 37,838      | 109,945     | 139,930    |
| ALK                | 114      | 53,351   | 2,937   | 56,287  | 14,255                             | 62,724   | 11,404    | 15,396  | 10,264        | 0                      | 0       | 10,264      | 114,043     | 170,331    |
| ALJ                | 115      | 24,729   | 0       | 24,729  | 45,114                             | 8,020    | 8,020     | 68,173  | 70,178        | 1,003                  | 0       | 71,180      | 200,508     | 225,237    |
| ALH                | 116      | 5,711    | 26,415  | 32,127  | 7,853                              | 714      | 15,706    | 30,699  | 1,428         | 14,279                 | 0       | 15,706      | 70,679      | 102,806    |
| ALI                | 117      | 9,577    | 26,522  | 36,099  | 11,051                             | 3,684    | 6,630     | 25,785  | 1,473         | 4,420                  | 0       | 5,894       | 53,043      | 89,143     |
| Abundance Estimate |          | 457,304  | 332,188 | 789,492 | 509,840                            | 93,107   | 156,139   | 956,963 | 561,611       | 71,725                 | 0       | 633,336     | 2,349,389   | 3,138,881  |
| WESTSIDE Section   |          |          |         |         |                                    |          |           |         |               |                        |         |             |             |            |
| KUF                | 311      | 6,997    | 500     | 7,496   | 1,000                              | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 1,000       | 8,496      |
| KUG                | 312      | 684      | 0       | 684     | 0                                  | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 0           | 684        |
| KUI                | 313      | 13,635   | 2,556   | 16,191  | 20,452                             | 852      | 284       | 0       | 0             | 0                      | 0       | 0           | 21,588      | 37,779     |

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## Appendix D1.–Page 6 of 7.

| Station            | Haul no. | Females   |           |           | Number sublegal males by size (CW) |          |           |         | Recruit males | Postrecruit males (CW) |         | Legal males | Total males | Total crab |
|--------------------|----------|-----------|-----------|-----------|------------------------------------|----------|-----------|---------|---------------|------------------------|---------|-------------|-------------|------------|
|                    |          | Juvenile  | Mature    | Total     | <70 mm                             | 70–91 mm | 92–114 mm | >114 mm |               | <165 mm                | ≥165 mm |             |             |            |
| KUS                | 314      | 51,084    | 0         | 51,084    | 55,386                             | 0        | 538       | 0       | 0             | 0                      | 0       | 0           | 55,924      | 107,007    |
| KUQ                | 315      | 37,469    | 7,089     | 44,557    | 25,317                             | 0        | 2,025     | 1,013   | 0             | 0                      | 0       | 0           | 28,355      | 72,912     |
| UYBX               | 316      | 43,741    | 0         | 43,741    | 37,085                             | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 37,085      | 80,826     |
| UYHX               | 317      | 5,651     | 182       | 5,833     | 5,468                              | 2,552    | 0         | 0       | 0             | 0                      | 0       | 0           | 8,020       | 13,853     |
| UYFX               | 319      | 144,762   | 176,578   | 321,340   | 66,112                             | 43,175   | 85,002    | 86,351  | 0             | 9,445                  | 0       | 9,445       | 290,085     | 611,425    |
| UYEX               | 320      | 286,332   | 375,193   | 661,525   | 116,428                            | 47,630   | 56,891    | 17,200  | 0             | 0                      | 0       | 0           | 238,149     | 899,673    |
| UYO                | 321      | 2,571     | 41,344    | 43,914    | 1,637                              | 3,275    | 447       | 1,340   | 0             | 149                    | 0       | 149         | 6,848       | 50,762     |
| UYKX               | 322      | 234,473   | 9,770     | 244,243   | 173,658                            | 17,761   | 6,907     | 2,960   | 0             | 0                      | 0       | 0           | 201,286     | 445,529    |
| UYMX               | 323      | 70,997    | 79,295    | 150,291   | 62,698                             | 6,454    | 6,454     | 11,064  | 0             | 2,766                  | 0       | 2,766       | 89,437      | 239,729    |
| UYQX               | 324      | 18,017    | 106,857   | 124,874   | 1,032                              | 3,440    | 7,567     | 8,943   | 1,376         | 8,943                  | 344     | 10,663      | 31,644      | 156,518    |
| UYT                | 325      | 1,891     | 0         | 1,891     | 1,418                              | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 1,418       | 3,310      |
| UYSS               | 326      | 18,473    | 67,879    | 86,352    | 4,278                              | 17,110   | 2,139     | 3,208   | 267           | 2,139                  | 267     | 2,673       | 29,408      | 115,760    |
| KUT                | 327      | 45,366    | 6,659     | 52,026    | 42,037                             | 2,913    | 4,578     | 832     | 0             | 0                      | 0       | 0           | 50,361      | 102,387    |
| KUV                | 328      | 1,013     | 0         | 1,013     | 0                                  | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 0           | 1,013      |
| KUW                | 329      | 0         | 0         | 0         | 287                                | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 287         | 287        |
| KUXB               | 330      | 22,053    | 2,892     | 24,945    | 21,162                             | 19,088   | 830       | 1,037   | 0             | 0                      | 0       | 0           | 42,117      | 67,062     |
| KUXA               | 331      | 73,872    | 43,972    | 117,844   | 42,079                             | 97,447   | 46,509    | 17,718  | 14,396        | 3,322                  | 0       | 17,718      | 221,470     | 339,314    |
| KUU                | 332      | 123,157   | 109,599   | 232,756   | 79,802                             | 39,901   | 35,367    | 24,485  | 2,721         | 2,721                  | 0       | 5,441       | 184,996     | 417,752    |
| KUP                | 333      | 15,324    | 41,256    | 56,580    | 15,913                             | 12,966   | 12,966    | 25,932  | 0             | 13,556                 | 0       | 13,556      | 81,333      | 137,913    |
| KUNX               | 334      | 2,354     | 39,555    | 41,909    | 2,354                              | 1,413    | 5,180     | 13,185  | 0             | 5,651                  | 0       | 5,651       | 27,783      | 69,692     |
| KUYA               | 335      | 1,291     | 0         | 1,291     | 1,549                              | 1,549    | 258       | 0       | 0             | 0                      | 0       | 0           | 3,357       | 4,648      |
| KUYB               | 336      | 0         | 0         | 0         | 0                                  | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 0           | 0          |
| KULB               | 337      | 3,480     | 0         | 3,480     | 3,000                              | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 3,000       | 6,480      |
| KUM                | 338      | 17,663    | 0         | 17,663    | 21,381                             | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 21,381      | 39,044     |
| KUK                | 339      | 123,312   | 11,833    | 135,145   | 116,462                            | 0        | 0         | 1,868   | 0             | 0                      | 0       | 0           | 118,330     | 253,476    |
| KULA               | 340      | 9,060     | 6,795     | 15,855    | 3,603                              | 3,192    | 1,030     | 412     | 103           | 309                    | 0       | 412         | 8,648       | 24,503     |
| KUJ                | 341      | 63,160    | 5,263     | 68,423    | 60,152                             | 1,504    | 3,008     | 12,782  | 1,504         | 752                    | 0       | 2,256       | 79,702      | 148,125    |
| RAA                | 342      | 2,270     | 63,230    | 65,499    | 1,786                              | 5,657    | 15,482    | 8,932   | 0             | 298                    | 0       | 298         | 32,154      | 97,653     |
| MAA                | 343      | 466       | 1,865     | 2,332     | 0                                  | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 0           | 2,332      |
| PMA                | 344      | 2,673     | 0         | 2,673     | 2,005                              | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 2,005       | 4,679      |
| Abundance Estimate |          | 1,443,291 | 1,200,162 | 2,643,450 | 985,541                            | 327,879  | 293,462   | 239,262 | 20,367        | 50,051                 | 611     | 71,028      | 1,917,171   | 4,560,623  |

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## Appendix D1.–Page 7 of 7.

|                        | Haul | Females    |           |            | Number sublegal males by size (CW) |           |           |           | Recruit   | Postrecruit males (CW) |         | Legal     | Total      | Total      |
|------------------------|------|------------|-----------|------------|------------------------------------|-----------|-----------|-----------|-----------|------------------------|---------|-----------|------------|------------|
| Station                | no.  | Juvenile   | Mature    | Total      | <70 mm                             | 70–91 mm  | 92–114 mm | >114 mm   | males     | <165 mm                | ≥165 mm | males     | males      | crab       |
| NORTH MAINLAND Section |      |            |           |            |                                    |           |           |           |           |                        |         |           |            |            |
| 121                    | 345  | 52,216     | 9,494     | 61,709     | 66,456                             | 0         | 0         | 0         | 0         | 0                      | 0       | 0         | 66,456     | 128,166    |
| 120                    | 346  | 47,469     | 9,494     | 56,963     | 147,153                            | 0         | 0         | 0         | 0         | 0                      | 0       | 0         | 147,153    | 204,116    |
| 91                     | 347  | 0          | 9,494     | 9,494      | 23,734                             | 0         | 0         | 0         | 0         | 0                      | 0       | 0         | 23,734     | 33,228     |
| 61                     | 348  | 0          | 0         | 0          | 4,747                              | 0         | 0         | 0         | 0         | 0                      | 0       | 0         | 4,747      | 4,747      |
| 60                     | 349  | 7,595      | 0         | 7,595      | 11,393                             | 0         | 0         | 0         | 0         | 0                      | 0       | 0         | 11,393     | 18,988     |
| 119                    | 351  | 30,380     | 0         | 30,380     | 45,570                             | 0         | 0         | 0         | 0         | 0                      | 0       | 0         | 45,570     | 75,950     |
| 118                    | 352  | 163,293    | 3,798     | 167,090    | 144,305                            | 15,190    | 3,798     | 0         | 0         | 0                      | 0       | 0         | 163,293    | 330,383    |
| 171A                   | 353  | 9,611      | 2,023     | 11,634     | 4,673                              | 3,115     | 4,673     | 70,868    | 72,426    | 0                      | 1,558   | 73,983    | 157,312    | 168,946    |
| 171C                   | 354  | 10,840     | 2,710     | 13,549     | 2,086                              | 25,027    | 55,267    | 87,593    | 42,754    | 0                      | 0       | 42,754    | 212,727    | 226,276    |
| 171D                   | 355  | 0          | 0         | 0          | 0                                  | 1,267     | 2,534     | 0         | 0         | 1,267                  | 0       | 1,267     | 5,067      | 5,067      |
| 172B                   | 356  | 3,520      | 0         | 3,520      | 0                                  | 0         | 0         | 0         | 0         | 0                      | 0       | 0         | 0          | 3,520      |
| 145                    | 358  | 23,734     | 0         | 23,734     | 18,988                             | 0         | 0         | 0         | 0         | 0                      | 0       | 0         | 18,988     | 42,722     |
| 117                    | 359  | 16,234     | 0         | 16,234     | 10,823                             | 0         | 0         | 0         | 0         | 0                      | 0       | 0         | 10,823     | 27,057     |
| 146                    | 360  | 43,400     | 0         | 43,400     | 37,975                             | 0         | 0         | 0         | 0         | 0                      | 0       | 0         | 37,975     | 81,375     |
| 173                    | 361  | 626,588    | 0         | 626,588    | 507,916                            | 4,747     | 0         | 0         | 0         | 0                      | 0       | 0         | 512,663    | 1,139,250  |
| 198                    | 362  | 337,028    | 0         | 337,028    | 289,559                            | 4,747     | 0         | 9,494     | 4,747     | 14,241                 | 0       | 18,988    | 322,788    | 659,816    |
| 222                    | 363  | 508,487    | 28,567    | 537,054    | 628,467                            | 5,713     | 28,567    | 5,713     | 0         | 0                      | 0       | 0         | 668,461    | 1,205,514  |
| 223                    | 364  | 118,672    | 28,481    | 147,153    | 137,659                            | 14,241    | 4,747     | 4,747     | 0         | 0                      | 0       | 0         | 161,394    | 308,547    |
| 90                     | 350  | 21,327     | 0         | 21,327     | 24,881                             | 0         | 0         | 0         | 0         | 0                      | 0       | 0         | 24,881     | 46,208     |
| Abundance Estimate     |      | 2,020,394  | 94,061    | 2,114,452  | 2,106,385                          | 74,047    | 99,586    | 178,415   | 119,927   | 15,508                 | 1,558   | 136,992   | 2,595,425  | 4,709,876  |
| Kodiak District Total  |      | 23,038,934 | 7,828,549 | 30,867,480 | 22,484,498                         | 3,883,997 | 3,363,600 | 6,514,407 | 1,577,182 | 496,138                | 13,760  | 2,087,076 | 38,333,553 | 69,201,033 |

Appendix D2.—Tanner crab abundance estimates in the South Peninsula District by station, sampling locale, and section, 2017.

|                        | Haul | Females  |         |         | Number sublegal males by size (CW) |          |           |         | Recruit | Postrecruit males (CW) |         | Legal  | Total   | Total     |
|------------------------|------|----------|---------|---------|------------------------------------|----------|-----------|---------|---------|------------------------|---------|--------|---------|-----------|
| Station                | no.  | Juvenile | Mature  | Total   | <70 mm                             | 70–91 mm | 92–114 mm | >114 mm | males   | <165 mm                | ≥165 mm | males  | males   | crab      |
| SANAK ISLAND           |      |          |         |         |                                    |          |           |         |         |                        |         |        |         |           |
| 113                    | 258  | 59,811   | 0       | 59,811  | 29,905                             | 0        | 4,272     | 0       | 0       | 0                      | 0       | 0      | 34,178  | 93,988    |
| 125                    | 259  | 217,882  | 4,272   | 222,154 | 192,248                            | 0        | 8,544     | 0       | 0       | 0                      | 0       | 0      | 200,793 | 422,947   |
| 126                    | 257  | 12,919   | 0       | 12,919  | 17,225                             | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 17,225  | 30,145    |
| 137                    | 260  | 85,444   | 0       | 85,444  | 118,672                            | 14,241   | 9,494     | 0       | 0       | 0                      | 0       | 0      | 142,406 | 227,850   |
| 138A                   | 261  | 42,357   | 1,925   | 44,283  | 55,835                             | 17,328   | 3,851     | 0       | 0       | 0                      | 0       | 0      | 77,013  | 121,296   |
| 138B                   | 262  | 33,648   | 0       | 33,648  | 46,903                             | 2,039    | 7,137     | 0       | 0       | 0                      | 0       | 0      | 56,080  | 89,727    |
| 138C                   | 263  | 141,837  | 0       | 141,837 | 151,292                            | 6,304    | 6,304     | 0       | 0       | 0                      | 0       | 0      | 163,900 | 305,737   |
| Abundance Estimate     |      | 593,898  | 6,197   | 600,096 | 612,080                            | 39,912   | 39,602    | 0       | 0       | 0                      | 0       | 0      | 691,595 | 1,291,690 |
| MORZHOVOI BAY          |      |          |         |         |                                    |          |           |         |         |                        |         |        |         |           |
| MORX                   | 285  | 4,475    | 0       | 4,475   | 7,458                              | 0        | 0         | 1,492   | 0       | 0                      | 0       | 0      | 8,950   | 13,425    |
| MOSX                   | 286  | 23,393   | 0       | 23,393  | 16,709                             | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 16,709  | 40,102    |
| 87AX                   | 287  | 7,595    | 3,798   | 11,393  | 9,494                              | 0        | 17,089    | 22,785  | 1,899   | 7,595                  | 0       | 9,494  | 58,861  | 70,254    |
| 87D                    | 288  | 3,949    | 0       | 3,949   | 4,937                              | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 4,937   | 8,886     |
| MOOX                   | 289  | 3,876    | 315,934 | 319,810 | 4,640                              | 4,640    | 81,206    | 329,463 | 23,202  | 27,842                 | 0       | 51,044 | 470,993 | 790,804   |
| MOK                    | 290  | 21,836   | 34,178  | 56,013  | 18,038                             | 0        | 26,583    | 140,508 | 10,443  | 1,899                  | 0       | 12,342 | 197,470 | 253,483   |
| MOL                    | 291  | 1,899    | 4,747   | 6,646   | 0                                  | 0        | 28,481    | 64,558  | 8,544   | 0                      | 0       | 8,544  | 101,583 | 108,229   |
| MOH                    | 292  | 2,010    | 0       | 2,010   | 2,680                              | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 2,680   | 4,689     |
| MOB                    | 294  | 10,546   | 0       | 10,546  | 9,374                              | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 9,374   | 19,921    |
| MOD                    | 295  | 714      | 714     | 1,428   | 1,428                              | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 1,428   | 2,856     |
| MOG                    | 296  | 6,222    | 0       | 6,222   | 5,444                              | 778      | 0         | 0       | 0       | 0                      | 0       | 0      | 6,222   | 12,444    |
| MOI                    | 297  | 2,251    | 0       | 2,251   | 2,251                              | 0        | 0         | 750     | 0       | 0                      | 0       | 0      | 3,002   | 5,253     |
| Abundance Estimate     |      | 88,766   | 359,371 | 448,136 | 82,453                             | 5,418    | 153,359   | 559,556 | 44,088  | 37,336                 | 0       | 81,424 | 882,209 | 1,330,346 |
| COLD BAY/BELKOFSKI BAY |      |          |         |         |                                    |          |           |         |         |                        |         |        |         |           |
| 156A                   | 301  | 1,956    | 0       | 1,956   | 1,956                              | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 1,956   | 3,913     |
| 157A                   | 300  | 0        | 0       | 0       | 1,035                              | 0        | 1,035     | 0       | 0       | 0                      | 0       | 0      | 2,069   | 2,069     |
| BEBX                   | 304  | 0        | 0       | 0       | 1,007                              | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 1,007   | 1,007     |
| BE CX                  | 305  | 0        | 15,907  | 15,907  | 2,272                              | 0        | 2,272     | 1,136   | 0       | 0                      | 0       | 0      | 5,681   | 21,588    |
| BEE                    | 303  | 1,899    | 3,798   | 5,696   | 2,848                              | 0        | 949       | 4,747   | 0       | 949                    | 0       | 949    | 9,494   | 15,190    |

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## Appendix D2.–Page 2 of 4.

| Station                | Haul no. | Females  |        |        | Number sublegal males by size (CW) |          |           |         | Recruit males | Postrecruit males (CW) |         | Legal males | Total males | Total crab |
|------------------------|----------|----------|--------|--------|------------------------------------|----------|-----------|---------|---------------|------------------------|---------|-------------|-------------|------------|
|                        |          | Juvenile | Mature | Total  | <70 mm                             | 70–91 mm | 92–114 mm | >114 mm |               | <165 mm                | ≥165 mm |             |             |            |
| BEF                    | 302      | 0        | 0      | 0      | 0                                  | 0        | 0         | 641     | 0             | 0                      | 0       | 0           | 641         | 641        |
| BEG                    | 299      | 1,124    | 0      | 1,124  | 3,372                              | 0        | 1,124     | 0       | 0             | 0                      | 0       | 0           | 4,496       | 5,620      |
| COB                    | 249      | 10,757   | 0      | 10,757 | 9,220                              | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 9,220       | 19,977     |
| COE                    | 251      | 2,982    | 0      | 2,982  | 0                                  | 7,456    | 1,491     | 4,473   | 0             | 0                      | 0       | 0           | 13,420      | 16,403     |
| COF                    | 252      | 1,272    | 5,089  | 6,361  | 0                                  | 1,908    | 5,725     | 13,358  | 2,544         | 0                      | 0       | 2,544       | 23,535      | 29,896     |
| COGA                   | 255      | 0        | 14,481 | 14,481 | 1,448                              | 965      | 17,860    | 43,926  | 13,998        | 1,931                  | 483     | 16,412      | 80,612      | 95,093     |
| COGB                   | 254      | 161      | 0      | 161    | 0                                  | 0        | 322       | 966     | 161           | 483                    | 0       | 644         | 1,932       | 2,093      |
| COH                    | 253      | 0        | 0      | 0      | 0                                  | 0        | 0         | 238     | 0             | 0                      | 0       | 0           | 238         | 238        |
| COM                    | 256      | 1,025    | 1,025  | 2,051  | 0                                  | 0        | 1,025     | 2,051   | 0             | 0                      | 0       | 0           | 3,076       | 5,127      |
| COOX                   | 298      | 0        | 4,603  | 4,603  | 4,603                              | 0        | 7,671     | 0       | 0             | 0                      | 0       | 0           | 12,274      | 16,876     |
| Abundance Estimate     |          | 21,176   | 44,903 | 66,079 | 27,761                             | 10,329   | 39,474    | 71,536  | 16,703        | 3,363                  | 483     | 20,549      | 169,651     | 235,731    |
| PAVLOF BAY/VOLCANO BAY |          |          |        |        |                                    |          |           |         |               |                        |         |             |             |            |
| 228                    | 225      | 14,479   | 0      | 14,479 | 18,257                             | 0        | 630       | 1,889   | 0             | 0                      | 0       | 0           | 20,775      | 35,254     |
| 245                    | 224      | 31,659   | 0      | 31,659 | 36,315                             | 0        | 2,793     | 6,518   | 0             | 1,862                  | 0       | 1,862       | 47,488      | 79,147     |
| PAEX                   | 228      | 5,605    | 0      | 5,605  | 0                                  | 2,803    | 0         | 0       | 0             | 0                      | 0       | 0           | 2,803       | 8,408      |
| PAH                    | 227      | 13,476   | 0      | 13,476 | 13,476                             | 2,695    | 0         | 0       | 0             | 0                      | 0       | 0           | 16,171      | 29,647     |
| PAIX                   | 229      | 0        | 0      | 0      | 1,697                              | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 1,697       | 1,697      |
| PALX                   | 230      | 5,965    | 0      | 5,965  | 1,988                              | 0        | 3,976     | 0       | 0             | 0                      | 0       | 0           | 5,965       | 11,929     |
| PAOB                   | 226      | 15,612   | 15,612 | 31,225 | 13,878                             | 8,673    | 18,214    | 34,694  | 1,735         | 3,469                  | 0       | 5,204       | 80,663      | 111,888    |
| PAP                    | 231      | 2,046    | 3,068  | 5,114  | 2,046                              | 1,023    | 8,182     | 6,137   | 1,023         | 0                      | 0       | 1,023       | 18,410      | 23,524     |
| PARA                   | 236      | 4,223    | 0      | 4,223  | 2,534                              | 845      | 2,534     | 12,668  | 2,534         | 0                      | 0       | 2,534       | 21,114      | 25,337     |
| PARB                   | 232      | 6,433    | 16,542 | 22,975 | 919                                | 0        | 7,352     | 12,866  | 919           | 3,676                  | 0       | 4,595       | 25,732      | 48,707     |
| PAU                    | 237      | 8,544    | 3,798  | 12,342 | 8,544                              | 3,798    | 7,595     | 16,139  | 949           | 949                    | 0       | 1,899       | 37,975      | 50,317     |
| PAV                    | 233      | 7,291    | 1,823  | 9,114  | 10,025                             | 0        | 0         | 911     | 911           | 0                      | 0       | 911         | 11,848      | 20,962     |
| VOA                    | 238      | 6,837    | 977    | 7,814  | 6,837                              | 1,953    | 1,953     | 3,907   | 0             | 977                    | 0       | 977         | 15,627      | 23,441     |
| VOBX                   | 234      | 19,413   | 21,354 | 40,767 | 11,648                             | 0        | 5,824     | 5,824   | 0             | 1,941                  | 0       | 1,941       | 25,237      | 66,004     |
| VOD                    | 235      | 8,285    | 13,808 | 22,092 | 8,285                              | 921      | 1,841     | 4,603   | 921           | 0                      | 0       | 921         | 16,569      | 38,662     |
| VOFB                   | 240      | 1,376    | 2,752  | 4,129  | 2,064                              | 0        | 0         | 688     | 0             | 0                      | 0       | 0           | 2,752       | 6,881      |
| VOG                    | 239      | 1,960    | 0      | 1,960  | 980                                | 0        | 0         | 980     | 0             | 0                      | 0       | 0           | 1,960       | 3,919      |
| VOH                    | 241      | 6,741    | 0      | 6,741  | 5,778                              | 1,926    | 0         | 963     | 0             | 0                      | 0       | 0           | 8,667       | 15,409     |
| VOI                    | 242      | 9,387    | 3,755  | 13,142 | 3,755                              | 3,755    | 3,755     | 939     | 2,816         | 0                      | 0       | 2,816       | 15,020      | 28,162     |
| VOLX                   | 245      | 7,041    | 15,646 | 22,686 | 5,476                              | 1,565    | 2,347     | 4,694   | 1,565         | 782                    | 0       | 2,347       | 16,428      | 39,114     |

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## Appendix D2.–Page 3 of 4.

| Station                           | Haul no. | Females  |         |         | Number sublegal males by size (CW) |          |           |         | Recruit males | Postrecruit males (CW) |         | Legal males | Total males | Total crab |
|-----------------------------------|----------|----------|---------|---------|------------------------------------|----------|-----------|---------|---------------|------------------------|---------|-------------|-------------|------------|
|                                   |          | Juvenile | Mature  | Total   | <70 mm                             | 70–91 mm | 92–114 mm | >114 mm |               | <165 mm                | ≥165 mm |             |             |            |
| VOM                               | 248      | 6,046    | 2,418   | 8,464   | 8,464                              | 0        | 2,418     | 0       | 1,209         | 0                      | 0       | 1,209       | 12,091      | 20,555     |
| VON                               | 243      | 11,757   | 980     | 12,737  | 6,858                              | 4,899    | 1,960     | 3,919   | 980           | 0                      | 0       | 980         | 18,615      | 31,352     |
| VOPX                              | 246      | 18,029   | 20,803  | 38,832  | 13,868                             | 16,642   | 1,387     | 9,708   | 4,161         | 0                      | 0       | 4,161       | 45,766      | 84,598     |
| VOQ                               | 247      | 6,343    | 0       | 6,343   | 6,343                              | 705      | 3,524     | 0       | 0             | 0                      | 0       | 0           | 10,572      | 16,916     |
| VOR                               | 244      | 9,357    | 0       | 9,357   | 11,228                             | 1,871    | 1,871     | 936     | 936           | 0                      | 0       | 936         | 16,843      | 26,200     |
| Abundance Estimate                |          | 227,905  | 123,336 | 351,241 | 201,263                            | 54,074   | 78,156    | 128,983 | 20,659        | 13,656                 | 0       | 34,316      | 496,788     | 848,030    |
| BEAVER BAY/BALBOA BAY/UNGA STRAIT |          |          |         |         |                                    |          |           |         |               |                        |         |             |             |            |
| 278                               | 223      | 0        | 0       | 0       | 6,328                              | 0        | 0         | 6,328   | 0             | 0                      | 0       | 0           | 12,656      | 12,656     |
| 311A                              | 207      | 17,812   | 1,370   | 19,182  | 8,221                              | 3,425    | 0         | 685     | 0             | 0                      | 0       | 0           | 12,331      | 31,513     |
| 311B                              | 201      | 12,896   | 1,720   | 14,616  | 20,634                             | 860      | 860       | 0       | 0             | 0                      | 0       | 0           | 22,354      | 36,969     |
| 311C                              | 200      | 7,870    | 5,724   | 13,594  | 10,732                             | 2,862    | 1,431     | 715     | 0             | 0                      | 0       | 0           | 15,740      | 29,333     |
| 329B                              | 198      | 13,291   | 1,899   | 15,190  | 13,291                             | 0        | 5,696     | 5,696   | 0             | 949                    | 0       | 949         | 25,633      | 40,823     |
| 329C                              | 199      | 18,038   | 4,747   | 22,785  | 24,684                             | 949      | 1,899     | 2,848   | 949           | 0                      | 0       | 949         | 31,329      | 54,114     |
| 348                               | 197      | 91,140   | 3,798   | 94,938  | 106,330                            | 3,798    | 7,595     | 3,798   | 0             | 0                      | 0       | 0           | 121,520     | 216,458    |
| 368A                              | 196      | 23,350   | 0       | 23,350  | 11,675                             | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 11,675      | 35,025     |
| BAA                               | 204      | 2,127    | 0       | 2,127   | 1,063                              | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 1,063       | 3,190      |
| BAC                               | 205      | 8,968    | 0       | 8,968   | 11,958                             | 747      | 747       | 0       | 0             | 0                      | 0       | 0           | 13,452      | 22,420     |
| BAD                               | 203      | 5,514    | 0       | 5,514   | 4,044                              | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 4,044       | 9,558      |
| BAE                               | 206      | 9,017    | 6,763   | 15,779  | 15,216                             | 4,508    | 3,945     | 2,818   | 564           | 0                      | 0       | 564         | 27,050      | 42,830     |
| BAF                               | 202      | 0        | 0       | 0       | 418                                | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 418         | 418        |
| BVC                               | 222      | 835      | 0       | 835     | 0                                  | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 0           | 835        |
| Abundance Estimate                |          | 210,858  | 26,021  | 236,878 | 234,594                            | 17,149   | 22,173    | 22,888  | 1,513         | 949                    | 0       | 2,462       | 299,265     | 536,142    |
| STEPOVAK BAY                      |          |          |         |         |                                    |          |           |         |               |                        |         |             |             |            |
| STA                               | 193      | 22,079   | 0       | 22,079  | 47,643                             | 0        | 1,162     | 0       | 0             | 0                      | 0       | 0           | 48,805      | 70,884     |
| STB                               | 194      | 34,346   | 0       | 34,346  | 44,557                             | 928      | 928       | 0       | 0             | 0                      | 0       | 0           | 46,414      | 80,760     |
| STD                               | 192      | 81,832   | 2,480   | 84,312  | 99,191                             | 1,240    | 0         | 0       | 0             | 0                      | 0       | 0           | 100,431     | 184,743    |
| STE                               | 195      | 117,838  | 0       | 117,838 | 86,874                             | 0        | 0         | 0       | 0             | 0                      | 0       | 0           | 86,874      | 204,712    |
| Abundance Estimate                |          | 256,095  | 2,480   | 258,575 | 278,265                            | 2,168    | 2,090     | 0       | 0             | 0                      | 0       | 0           | 282,524     | 541,099    |

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Appendix D2.–Page 4 of 4.

|                                | Haul | Females   |           |           | Number sublegal males by size (CW) |          |           |           | Recruit | Postrecruit males (CW) |         | Legal   | Total     | Total     |
|--------------------------------|------|-----------|-----------|-----------|------------------------------------|----------|-----------|-----------|---------|------------------------|---------|---------|-----------|-----------|
| Station                        | no.  | Juvenile  | Mature    | Total     | <70 mm                             | 70–91 mm | 92–114 mm | >114 mm   | males   | <165 mm                | ≥165 mm | males   | males     | crab      |
| WEST NAGAI STRAIT              |      |           |           |           |                                    |          |           |           |         |                        |         |         |           |           |
| 301                            | 214  | 9,494     | 0         | 9,494     | 9,494                              | 0        | 4,747     | 0         | 0       | 0                      | 0       | 0       | 14,241    | 23,734    |
| 318                            | 213  | 4,747     | 0         | 4,747     | 4,747                              | 4,747    | 0         | 0         | 0       | 0                      | 0       | 0       | 9,494     | 14,241    |
| 332B                           | 208  | 66,456    | 0         | 66,456    | 80,697                             | 0        | 0         | 2,373     | 2,373   | 0                      | 0       | 2,373   | 85,444    | 151,900   |
| 334                            | 210  | 659,542   | 320,213   | 979,755   | 649,373                            | 0        | 34,178    | 72,153    | 0       | 0                      | 0       | 0       | 755,703   | 1,735,458 |
| 335                            | 211  | 827,855   | 0         | 827,855   | 894,856                            | 0        | 0         | 8,949     | 0       | 0                      | 0       | 0       | 903,805   | 1,731,660 |
| 337                            | 212  | 42,722    | 0         | 42,722    | 37,975                             | 0        | 0         | 0         | 0       | 0                      | 0       | 0       | 37,975    | 80,697    |
| 353                            | 216  | 45,752    | 144,882   | 190,635   | 19,063                             | 3,813    | 19,063    | 22,876    | 3,813   | 0                      | 0       | 3,813   | 68,628    | 259,263   |
| 354                            | 209  | 26,583    | 144,305   | 170,888   | 30,380                             | 3,798    | 45,570    | 98,735    | 0       | 0                      | 0       | 0       | 178,483   | 349,370   |
| 371                            | 219  | 13,470    | 0         | 13,470    | 6,735                              | 6,735    | 3,368     | 0         | 0       | 0                      | 0       | 0       | 16,838    | 30,309    |
| 373A                           | 215  | 0         | 0         | 0         | 0                                  | 1,551    | 1,551     | 0         | 0       | 0                      | 0       | 0       | 3,103     | 3,103     |
| 373B                           | 217  | 32,701    | 56,318    | 89,019    | 27,251                             | 6,359    | 14,534    | 27,251    | 4,542   | 0                      | 0       | 4,542   | 79,936    | 168,955   |
| 393                            | 218  | 153,389   | 48,805    | 202,194   | 153,389                            | 18,593   | 4,648     | 4,648     | 0       | 0                      | 0       | 0       | 181,277   | 383,472   |
| Abundance Estimate             |      | 1,882,711 | 714,523   | 2,597,235 | 1,913,960                          | 45,596   | 127,659   | 236,985   | 10,728  | 0                      | 0       | 10,728  | 2,334,927 | 4,932,162 |
| Western Section <sup>a</sup>   |      | 703,840   | 410,471   | 1,114,311 | 722,294                            | 55,659   | 232,435   | 631,092   | 60,791  | 40,699                 | 483     | 101,973 | 1,743,455 | 2,857,767 |
| Eastern Section <sup>b</sup>   |      | 2,577,569 | 866,360   | 3,443,929 | 2,628,082                          | 118,987  | 230,078   | 388,856   | 32,900  | 14,605                 | 0       | 47,506  | 3,413,504 | 6,857,433 |
| South Peninsula District Total |      | 3,281,409 | 1,276,831 | 4,558,240 | 3,350,376                          | 174,646  | 462,513   | 1,019,948 | 93,691  | 55,304                 | 483     | 149,479 | 5,156,959 | 9,715,200 |

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

<sup>b</sup> 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 D3.—Tanner crab abundance estimates in the Chignik District by station and sampling locale, 2017.

|                    | Haul | Females   |         |           | Number sublegal males by size (CW) |          |           |         | Recruit | Postrecruit males (CW) |         | Legal  | Total     | Total     |
|--------------------|------|-----------|---------|-----------|------------------------------------|----------|-----------|---------|---------|------------------------|---------|--------|-----------|-----------|
| Station            | no.  | Juvenile  | Mature  | Total     | <70 mm                             | 70–91 mm | 92–114 mm | >114 mm | males   | <165 mm                | ≥165 mm | males  | males     | crab      |
| IVANOF BAY         |      |           |         |           |                                    |          |           |         |         |                        |         |        |           |           |
| 4000X              | 189  | 0         | 20,917  | 20,917    | 492                                | 0        | 1,476     | 6,644   | 6,644   | 0                      | 0       | 6,644  | 15,257    | 36,173    |
| 4000Y              | 190  | 18,167    | 699     | 18,866    | 23,757                             | 0        | 699       | 699     | 0       | 0                      | 0       | 0      | 25,155    | 44,021    |
| 4007               | 187  | 166,613   | 18,146  | 184,759   | 138,569                            | 11,547   | 8,248     | 13,197  | 6,599   | 0                      | 0       | 6,599  | 178,160   | 362,919   |
| 4008               | 191  | 67,097    | 288,891 | 355,988   | 72,689                             | 18,638   | 33,549    | 67,097  | 29,821  | 7,455                  | 0       | 37,276 | 229,249   | 585,237   |
| 4900X              | 188  | 6,422     | 0       | 6,422     | 16,515                             | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 16,515    | 22,937    |
| 4915               | 186  | 12,329    | 0       | 12,329    | 16,438                             | 2,055    | 0         | 0       | 0       | 0                      | 0       | 0      | 18,493    | 30,822    |
| Abundance Estimate |      | 270,628   | 328,653 | 599,281   | 268,460                            | 32,240   | 43,972    | 87,637  | 43,064  | 7,455                  | 0       | 50,519 | 482,829   | 1,082,109 |
| MITROFANIA ISLAND  |      |           |         |           |                                    |          |           |         |         |                        |         |        |           |           |
| 4024               | 185  | 109,667   | 0       | 109,667   | 109,667                            | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 109,667   | 219,334   |
| 4025               | 184  | 154,695   | 1,934   | 156,629   | 208,838                            | 7,735    | 5,801     | 0       | 0       | 0                      | 0       | 0      | 222,374   | 379,003   |
| 4026               | 181  | 251,774   | 12,912  | 264,686   | 228,103                            | 38,735   | 6,456     | 4,304   | 0       | 0                      | 0       | 0      | 277,597   | 542,283   |
| 4035               | 178  | 146,991   | 0       | 146,991   | 136,491                            | 2,625    | 0         | 0       | 0       | 0                      | 0       | 0      | 139,116   | 286,107   |
| 4036               | 179  | 287,243   | 0       | 287,243   | 430,864                            | 2,872    | 2,872     | 2,872   | 0       | 0                      | 0       | 0      | 439,482   | 726,725   |
| 4037               | 180  | 34,806    | 0       | 34,806    | 23,204                             | 0        | 1,934     | 0       | 0       | 0                      | 0       | 0      | 25,138    | 59,944    |
| 4038A              | 182  | 139,444   | 38,735  | 178,179   | 174,305                            | 19,367   | 7,747     | 5,810   | 0       | 0                      | 0       | 0      | 207,230   | 385,408   |
| 4038B              | 183  | 40,886    | 2,152   | 43,038    | 32,279                             | 4,304    | 2,152     | 0       | 0       | 0                      | 0       | 0      | 38,735    | 81,773    |
| 4048               | 174  | 17,636    | 0       | 17,636    | 25,474                             | 1,306    | 1,306     | 1,960   | 653     | 0                      | 0       | 653    | 30,699    | 48,335    |
| 4049               | 177  | 27,854    | 0       | 27,854    | 48,111                             | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 48,111    | 75,965    |
| 4050A              | 176  | 34,405    | 0       | 34,405    | 25,231                             | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 25,231    | 59,636    |
| 4050B              | 171  | 564,831   | 0       | 564,831   | 492,563                            | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 492,563   | 1,057,394 |
| 4063               | 173  | 37,367    | 3,114   | 40,481    | 48,266                             | 0        | 10,899    | 20,241  | 6,228   | 0                      | 0       | 6,228  | 85,634    | 126,115   |
| 4064               | 175  | 48,477    | 12,568  | 61,046    | 80,796                             | 0        | 5,386     | 7,182   | 1,795   | 0                      | 0       | 1,795  | 95,159    | 156,205   |
| 4065               | 172  | 46,070    | 0       | 46,070    | 49,614                             | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 49,614    | 95,683    |
| 4066A              | 170  | 285,511   | 0       | 285,511   | 326,023                            | 1,929    | 3,858     | 0       | 0       | 0                      | 0       | 0      | 331,810   | 617,322   |
| 4066B              | 169  | 603,422   | 35,120  | 638,542   | 572,257                            | 37,384   | 2,876     | 2,876   | 0       | 0                      | 0       | 0      | 615,392   | 1,253,934 |
| Abundance Estimate |      | 2,831,079 | 106,535 | 2,937,615 | 3,012,086                          | 116,257  | 51,287    | 45,245  | 8,676   | 0                      | 0       | 8,676  | 3,233,552 | 6,171,166 |

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## Appendix D3.–Page 2 of 2.

|                           | Haul | Females   |         |           | Number sublegal males by size (CW) |          |           |         | Recruit | Postrecruit males (CW) |         | Legal  | Total     | Total     |
|---------------------------|------|-----------|---------|-----------|------------------------------------|----------|-----------|---------|---------|------------------------|---------|--------|-----------|-----------|
| Station                   | no.  | Juvenile  | Mature  | Total     | <70 mm                             | 70–91 mm | 92–114 mm | >114 mm | males   | <165 mm                | ≥165 mm | males  | males     | crab      |
| CHIGNIK BAY               |      |           |         |           |                                    |          |           |         |         |                        |         |        |           |           |
| 4256                      | 158  | 14,924    | 0       | 14,924    | 11,608                             | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 11,608    | 26,532    |
| 4264                      | 166  | 40,178    | 31,443  | 71,621    | 31,443                             | 0        | 1,747     | 6,114   | 1,747   | 0                      | 0       | 1,747  | 41,051    | 112,672   |
| 4265                      | 168  | 4,398     | 0       | 4,398     | 5,863                              | 0        | 293       | 0       | 0       | 0                      | 0       | 0      | 6,157     | 10,554    |
| 4266                      | 157  | 7,820     | 5,213   | 13,033    | 7,820                              | 869      | 4,344     | 0       | 0       | 0                      | 0       | 0      | 13,033    | 26,066    |
| 4267                      | 160  | 18,038    | 949     | 18,988    | 21,836                             | 949      | 0         | 0       | 0       | 0                      | 0       | 0      | 22,785    | 41,773    |
| 4270                      | 164  | 25,771    | 109,907 | 135,679   | 18,192                             | 758      | 3,790     | 15,160  | 758     | 0                      | 0       | 758    | 38,657    | 174,336   |
| 4271                      | 165  | 20,333    | 7,072   | 27,406    | 19,007                             | 0        | 884       | 1,326   | 0       | 0                      | 0       | 0      | 21,217    | 48,623    |
| 4272                      | 156  | 23,494    | 0       | 23,494    | 25,060                             | 783      | 0         | 0       | 0       | 0                      | 0       | 0      | 25,843    | 49,337    |
| 4274                      | 161  | 18,988    | 1,899   | 20,886    | 39,874                             | 1,899    | 1,899     | 0       | 0       | 0                      | 0       | 0      | 43,671    | 64,558    |
| 4277                      | 155  | 82,596    | 5,696   | 88,292    | 83,545                             | 8,544    | 4,747     | 0       | 0       | 0                      | 0       | 0      | 96,836    | 185,128   |
| 4278                      | 162  | 49,368    | 2,848   | 52,216    | 43,671                             | 30,380   | 16,139    | 5,696   | 0       | 0                      | 0       | 0      | 95,887    | 148,103   |
| 4282                      | 154  | 117,723   | 33,228  | 150,951   | 93,988                             | 35,127   | 22,785    | 949     | 0       | 0                      | 0       | 0      | 152,849   | 303,800   |
| 4286                      | 152  | 37,975    | 0       | 37,975    | 41,773                             | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 41,773    | 79,748    |
| 4287                      | 153  | 49,170    | 6,304   | 55,474    | 55,474                             | 10,086   | 11,347    | 6,304   | 5,043   | 0                      | 0       | 5,043  | 88,254    | 143,728   |
| 4312                      | 163  | 3,883     | 24,266  | 28,149    | 5,824                              | 971      | 36,884    | 75,710  | 4,853   | 1,941                  | 0       | 6,794  | 126,183   | 154,332   |
| 4964                      | 167  | 22,038    | 0       | 22,038    | 23,309                             | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 23,309    | 45,347    |
| Abundance Estimate        |      | 536,697   | 228,825 | 765,524   | 528,287                            | 90,366   | 104,859   | 111,259 | 12,401  | 1,941                  | 0       | 14,342 | 849,113   | 1,614,637 |
| KUJULIK BAY               |      |           |         |           |                                    |          |           |         |         |                        |         |        |           |           |
| 4290                      | 150  | 3,139     | 0       | 3,139     | 0                                  | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 0         | 3,139     |
| 4296                      | 151  | 7,747     | 0       | 7,747     | 12,304                             | 456      | 911       | 1,823   | 0       | 0                      | 0       | 0      | 15,494    | 23,241    |
| 4298                      | 149  | 7,574     | 0       | 7,574     | 7,574                              | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 7,574     | 15,147    |
| 4301                      | 148  | 21,801    | 0       | 21,801    | 32,227                             | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 32,227    | 54,028    |
| 4302                      | 147  | 7,259     | 0       | 7,259     | 20,971                             | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 20,971    | 28,231    |
| 4308                      | 146  | 18,988    | 0       | 18,988    | 19,747                             | 0        | 0         | 0       | 0       | 0                      | 0       | 0      | 19,747    | 38,735    |
| Abundance Estimate        |      | 66,508    | 0       | 66,508    | 92,823                             | 456      | 911       | 1,823   | 0       | 0                      | 0       | 0      | 96,013    | 162,521   |
| Chignik District<br>Total |      | 3,704,912 | 664,013 | 4,368,928 | 3,901,656                          | 239,319  | 201,029   | 245,964 | 64,141  | 9,396                  | 0       | 73,537 | 4,661,507 | 9,030,433 |

Appendix D4.—Tanner crab abundance estimates in the Eastern Aleutian District by station and sampling locale, 2017.

|                                 | Haul | Females   |           |           | Number sublegal males by size (CW) |          |           |         | Recruit | Postrecruit males (CW) |         | Legal   | Total     | Total      |
|---------------------------------|------|-----------|-----------|-----------|------------------------------------|----------|-----------|---------|---------|------------------------|---------|---------|-----------|------------|
| Station                         | no.  | Juvenile  | Mature    | Total     | <70 mm                             | 70–91 mm | 92–114 mm | >114 mm | males   | <165 mm                | ≥165 mm | males   | males     | crab       |
| AKUTAN BAY SECTION              |      |           |           |           |                                    |          |           |         |         |                        |         |         |           |            |
| AKA                             | 264  | 16,525    | 3,672     | 20,197    | 14,689                             | 38,558   | 11,017    | 0       | 0       | 0                      | 0       | 0       | 64,263    | 84,460     |
| AKC                             | 265  | 91,997    | 85,426    | 177,422   | 76,977                             | 3,755    | 14,081    | 939     | 0       | 939                    | 0       | 939     | 96,690    | 274,113    |
| AKD                             | 266  | 38,763    | 3,798,740 | 3,837,503 | 19,460                             | 147,896  | 256,871   | 97,300  | 0       | 7,784                  | 0       | 7,784   | 529,311   | 4,366,814  |
| AKG                             | 267  | 31,329    | 949       | 32,279    | 14,241                             | 0        | 0         | 0       | 0       | 0                      | 0       | 0       | 14,241    | 46,519     |
| AKL                             | 268  | 949       | 0         | 949       | 1,899                              | 949      | 0         | 0       | 0       | 0                      | 0       | 0       | 2,848     | 3,798      |
| Abundance Estimate              |      | 179,563   | 3,888,787 | 4,068,350 | 127,266                            | 191,158  | 281,969   | 98,239  | 0       | 8,723                  | 0       | 8,723   | 707,353   | 4,775,704  |
| UNALASKA/KALEKTA BAY SECTION    |      |           |           |           |                                    |          |           |         |         |                        |         |         |           |            |
| KAA                             | 281  | 0         | 1,726     | 1,726     | 0                                  | 2,588    | 2,588     | 0       | 0       | 0                      | 0       | 0       | 5,177     | 6,902      |
| UNC                             | 278  | 74,076    | 4,004     | 78,080    | 48,049                             | 0        | 6,006     | 42,043  | 12,012  | 1,001                  | 0       | 13,013  | 109,111   | 187,191    |
| UND                             | 283  | 2,582     | 0         | 2,582     | 3,099                              | 1,549    | 1,549     | 516     | 0       | 0                      | 0       | 0       | 6,714     | 9,296      |
| UNE                             | 282  | 47,575    | 21,805    | 69,380    | 26,761                             | 0        | 2,973     | 5,947   | 0       | 0                      | 0       | 0       | 35,681    | 105,062    |
| UNF                             | 279  | 151,900   | 0         | 151,900   | 122,469                            | 0        | 0         | 0       | 0       | 0                      | 0       | 0       | 122,469   | 274,369    |
| UNG                             | 284  | 9,494     | 949       | 10,443    | 4,747                              | 949      | 949       | 0       | 0       | 0                      | 0       | 0       | 6,646     | 17,089     |
| UNJ                             | 280  | 28,481    | 27,532    | 56,013    | 10,443                             | 949      | 1,899     | 3,798   | 0       | 0                      | 0       | 0       | 17,089    | 73,102     |
| Abundance Estimate              |      | 314,108   | 56,016    | 370,124   | 215,568                            | 6,035    | 15,964    | 52,304  | 12,012  | 1,001                  | 0       | 13,013  | 302,887   | 673,011    |
| MAKUSHIN BAY SECTION            |      |           |           |           |                                    |          |           |         |         |                        |         |         |           |            |
| MKB                             | 273  | 427,469   | 93,835    | 521,304   | 324,977                            | 114,992  | 52,496    | 9,999   | 0       | 2,500                  | 0       | 2,500   | 504,965   | 1,026,268  |
| MKC                             | 274  | 77,891    | 216,037   | 293,928   | 41,288                             | 2,753    | 28,902    | 115,606 | 1,376   | 99,091                 | 0       | 100,467 | 289,016   | 582,944    |
| MKE                             | 275  | 667,833   | 3,274     | 671,106   | 648,558                            | 0        | 0         | 3,227   | 0       | 0                      | 0       | 0       | 651,785   | 1,322,891  |
| MKF                             | 276  | 168,363   | 1,850     | 170,213   | 113,784                            | 925      | 925       | 0       | 0       | 0                      | 0       | 0       | 115,634   | 285,847    |
| MKJ                             | 272  | 13,211    | 0         | 13,211    | 4,065                              | 0        | 0         | 0       | 0       | 0                      | 0       | 0       | 4,065     | 17,276     |
| MKK                             | 269  | 4,744     | 0         | 4,744     | 11,069                             | 0        | 1,581     | 0       | 0       | 0                      | 0       | 0       | 12,650    | 17,394     |
| MKN                             | 270  | 318,666   | 8,171     | 326,837   | 315,813                            | 12,890   | 1,611     | 0       | 0       | 0                      | 0       | 0       | 330,314   | 657,151    |
| MKP                             | 271  | 113,306   | 337,508   | 450,815   | 22,206                             | 81,885   | 112,418   | 56,903  | 0       | 4,164                  | 0       | 4,164   | 277,576   | 728,391    |
| Abundance Estimate              |      | 1,791,483 | 660,675   | 2,452,158 | 1,481,760                          | 213,445  | 197,933   | 185,735 | 1,376   | 105,755                | 0       | 107,131 | 2,186,005 | 4,638,162  |
| Eastern Aleutian District Total |      | 2,285,154 | 4,605,478 | 6,890,632 | 1,824,594                          | 410,638  | 495,866   | 336,278 | 13,388  | 115,479                | 0       | 128,867 | 3,196,245 | 10,086,877 |