

**Regional Operational Plan CF.4K.2014.19**

---

---

**Kodiak Management Area Sockeye Salmon Test  
Fishery Operational Plan, 2014**

by

**Michelle L. Moore**

April 2014

---

---

Alaska Department of Fish and Game

Divisions of Sport Fish and Commercial Fisheries



## Symbols and Abbreviations

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

|   |                    |  |   |   |                         |
|---|--------------------|--|---|---|-------------------------|
| <b>Weights and measures (metric)</b>    |                    | <b>General</b>                                   |   | <b>Mathematics, statistics</b>  |                         |
| centimeter                              | cm                 | Alaska Administrative Code                       | AAC   | <i>all standard mathematical signs, symbols and abbreviations</i>             |                         |
| deciliter                               | dL                 | all commonly accepted abbreviations              | e.g., Mr., Mrs., AM, PM, etc.               | alternate hypothesis  | $H_A$                   |
| gram                                    | g                  | all commonly accepted professional titles        | e.g., Dr., Ph.D., R.N., etc.                | base of natural logarithm   | $e$                     |
| hectare                                 | ha                 | at   | @   | catch per unit effort   | CPUE                    |
| kilogram                                | kg                 | compass directions:                              |   | coefficient of variation  | CV                      |
| kilometer                               | km                 | east   | E   | common test statistics  | (F, t, $\chi^2$ , etc.) |
| liter                                   | L                  | north  | N   | confidence interval   | CI                      |
| meter                                   | m                  | south  | S   | correlation coefficient   |                         |
| milliliter                              | mL                 | west   | W   | (multiple)  | R                       |
| millimeter                              | mm                 | copyright  | ©   | correlation coefficient (simple)  | r                       |
|   |                    | corporate suffixes:                              |   | covariance  | cov                     |
| <b>Weights and measures (English)</b>   |                    | Company  | Co.   | degree (angular)  | $^\circ$                |
| cubic feet per second                   | ft <sup>3</sup> /s | Corporation                                      | Corp.                                       | degrees of freedom  | df                      |
| foot                                    | ft                 | Incorporated                                     | Inc.  | expected value  | $E$                     |
| gallon                                  | gal                | Limited  | Ltd.  | greater than  | >                       |
| inch                                    | in                 | District of Columbia                             | D.C.  | greater than or equal to  | $\geq$                  |
| mile                                    | mi                 | et alii (and others)                             | et al.                                      | harvest per unit effort   | HPUE                    |
| nautical mile                           | nmi                | et cetera (and so forth)                         | etc.  | less than   | <                       |
| ounce                                   | oz                 | exempli gratia                                   | e.g.  | less than or equal to   | $\leq$                  |
| pound                                   | lb                 | (for example)                                    |   | logarithm (natural)   | ln                      |
| quart                                   | qt                 | Federal Information Code                         | FIC   | logarithm (base 10)   | log                     |
| yard                                    | yd                 | id est (that is)                                 | i.e.  | logarithm (specify base)  | log <sub>2</sub> , etc. |
|   |                    | latitude or longitude                            | lat. or long.                               | minute (angular)  | '                       |
| <b>Time and temperature</b>             |                    | monetary symbols (U.S.)                          | \$, ¢                                       | not significant   | NS                      |
| day                                     | d                  | months (tables and figures): first three letters | Jan, ..., Dec                               | null hypothesis   | $H_0$                   |
| degrees Celsius                         | °C                 | registered trademark                             | ®   | percent   | %                       |
| degrees Fahrenheit                      | °F                 | trademark  | ™   | probability   | P                       |
| degrees kelvin                          | K                  | United States (adjective)                        | U.S.  | probability of a type I error (rejection of the null hypothesis when true)    | $\alpha$                |
| hour                                    | h                  | United States of America (noun)                  | USA   | probability of a type II error (acceptance of the null hypothesis when false) | $\beta$                 |
| minute                                  | min                | U.S.C.   | United States Code                          | second (angular)  | "                       |
| second                                  | s                  | U.S. state                                       | use two-letter abbreviations (e.g., AK, WA) | standard deviation  | SD                      |
| <b>Physics and chemistry</b>            |                    |  |   | standard error  | SE                      |
| all atomic symbols                      |                    |  |   | variance  |                         |
| alternating current                     | AC                 |  |   | population  | Var                     |
| ampere                                  | A                  |  |   | sample  | var                     |
| calorie                                 | cal                |  |   |   |                         |
| direct current                          | DC                 |  |   |   |                         |
| hertz                                   | Hz                 |  |   |   |                         |
| horsepower                              | hp                 |  |   |   |                         |
| hydrogen ion activity (negative log of) | pH                 |  |   |   |                         |
| parts per million                       | ppm                |  |   |   |                         |
| parts per thousand                      | ppt, ‰             |  |   |   |                         |
| volts                                   | V                  |  |   |   |                         |
| watts                                   | W                  |  |   |   |                         |

***REGIONAL OPERATIONAL PLAN CF.4K.2014.19***

**KODIAK MANAGEMENT AREA SOCKEYE SALMON TEST FISHERY  
OPERATIONAL PLAN, 2014**

by

Michelle L. Moore

Alaska Department of Fish and Game, Division of Commercial Fisheries, Kodiak

Alaska Department of Fish and Game  
Division of Commercial Fisheries

April 2014

The Regional Operational Plan Series was established in 2012 to archive and provide public access to operational plans for fisheries projects of the Divisions of Commercial Fisheries and Sport Fish, as per joint-divisional Operational Planning Policy. Documents in this series are planning documents that may contain raw data, preliminary data analyses and results, and describe operational aspects of fisheries projects that may not actually be implemented. All documents in this series are subject to a technical review process and receive varying degrees of regional, divisional, and biometric approval, but do not generally receive editorial review. Results from the implementation of the operational plan described in this series may be subsequently finalized and published in a different department reporting series or in the formal literature. Please contact the author if you have any questions regarding the information provided in this plan. Regional Operational Plans are available on the Internet at: <http://www.adfg.alaska.gov/sf/publications/>

*Michelle L. Moore,  
Alaska Department of Fish and Game, Division of Commercial Fisheries,  
351 Research Court, Kodiak, AK 99615, USA*

*This document should be cited as:*

*Moore, M. L. 2014. Kodiak Management Area sockeye salmon test fishery operational plan, 2014. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Operational Plan ROP.CF.4K.2014.19, Kodiak.*

The Alaska Department of Fish and Game (ADF&G) administers all programs and activities free from discrimination based on race, color, national origin, age, sex, religion, marital status, pregnancy, parenthood, or disability. The department administers all programs and activities in compliance with Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title II of the Americans with Disabilities Act (ADA) of 1990, the Age Discrimination Act of 1975, and Title IX of the Education Amendments of 1972.

**If you believe you have been discriminated against in any program, activity, or facility please write:**

ADF&G ADA Coordinator, P.O. Box 115526, Juneau, AK 99811-5526

U.S. Fish and Wildlife Service, 4401 N. Fairfax Drive, MS 2042, Arlington, VA 22203

Office of Equal Opportunity, U.S. Department of the Interior, 1849 C Street NW MS 5230, Washington DC 20240

**The department's ADA Coordinator can be reached via phone at the following numbers:**

(VOICE) 907-465-6077, (Statewide Telecommunication Device for the Deaf) 1-800-478-3648,

(Juneau TDD) 907-465-3646, or (FAX) 907-465-6078

**For information on alternative formats and questions on this publication, please contact:**

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

**SIGNATURE/TITLE PAGE**

Project Title: Kodiak Management Area Sockeye Salmon Test Fishery

Project Leader(s): Michelle L. Moore

Division, Region and Area: Division of Commercial Fisheries, Region IV, Kodiak

Project Nomenclature:

Period Covered: June 2014–January 2015

Field Dates: June 1, 2014–June 9, 2014

Plan Type: Category I

**Approval**

| Title                | Name              | Signature             | Date    |
|----------------------|-------------------|-----------------------|---------|
| Project Leader       | Michelle L. Moore | <i>Michelle Moore</i> | 4/16/14 |
| Research Coordinator | Nick Sagalkin     | <i>Nick Sagalkin</i>  | 4/22/14 |



# TABLE OF CONTENTS

|  | <b>Page</b> |
|--|-------------|
| LIST OF TABLES.....  | iii         |
| LIST OF FIGURES.....   | iii         |
| LIST OF APPENDICES.....  | iii         |
| PURPOSE.....   | 1           |
| BACKGROUND.....  | 1           |
| OBJECTIVES.....  | 2           |
| Biological Objectives.....   | 2           |
| Primary Objectives:.....   | 2           |
| Secondary Objective:.....  | 2           |
| Fiscal Objective.....  | 2           |
| METHODS.....   | 2           |
| Request for Quotation.....   | 2           |
| Notification of Test Fishing Activity.....                                   | 2           |
| Test Fishery Protocol.....   | 2           |
| Safety.....  | 3           |
| SCHEDULE AND DELIVERABLES.....   | 3           |
| RESPONSIBILITIES.....  | 3           |
| REFERENCES CITED.....  | 4           |
| TABLES AND FIGURES.....  | 5           |
| APPENDIX A. 2014 KODIAK SOCKEYE SALMON TEST FISHERY BID SPECIFICATIONS.....  | 11          |
| APPENDIX B. UNITED STATES COAST GUARD NOTIFICATION OF TEST FISHING.....      | 15          |
| APPENDIX C. PROCEDURE FOR CLIPPING AXILLARY PROCESS FROM SOCKEYE SALMON..... | 17          |

## LIST OF TABLES

| <b>Table</b>  | <b>Page</b> |
|---|-------------|
| 1. Kodiak salmon test fishery conditions and results, 2013..... | 6           |

## LIST OF FIGURES

| <b>Figure</b>   | <b>Page</b> |
|---|-------------|
| 1. Karluk Lake and the Kodiak Management Area commercial salmon statistical areas in the Larsen Bay area of the Northwest Kodiak District.....                          | 7           |
| 2. Kodiak Management Area commercial salmon statistical areas in the Southwest Kodiak District (Karluk/Sturgeon, Halibut/Gurney bays, and Ayakulik areas) harvests..... | 8           |
| 3. Kodiak Management Area commercial salmon fishing districts with Westside Kodiak boundaries.....  | 9           |

## LIST OF APPENDICES

| <b>Appendix</b>  | <b>Page</b> |
|--|-------------|
| A1. 2014 Kodiak sockeye salmon test fishery bid specifications.....  | 12          |
| B1. United States Coast Guard notification of test fishing.....      | 16          |
| C1. Procedure for clipping axillary process from sockeye salmon..... | 18          |



## **PURPOSE**

The purpose of the Kodiak sockeye salmon test fishery is to provide data to aid in the management of the Kodiak Management Area (KMA) Westside commercial salmon fishery by establishing an index useful for assessing the relative abundance of Karluk River early-run sockeye salmon prior to commercial fishing periods.

## **BACKGROUND**

An Alitak Bay salmon test fishery operated from 1986 to 2006, but no salmon test fishery was ever prosecuted on the west side of Kodiak Island until 2010. On June 7–8 2010, a purse seine test fishery pilot study was conducted to gauge the abundance of early-run sockeye salmon returning to the Karluk River in advance of entering the lagoon. A standardized purse seine set was developed at Cape Uyak, where a southbound hook was held for 30 minutes. Cape Uyak is approximately 9 km from the mouth of Karluk Lagoon and within the primary migratory pathway for Karluk River sockeye salmon (Figures 1 and 2). Given the success of the pilot study, increased test fish authority was requested and granted for fiscal year 2011. The test fishery has been successfully conducted from 2010–2012. Test fishing was shifted one day earlier in 2012 to allow fishermen ample travel time to their desired fishing grounds prior to the first commercial fishing period. In 2013 a strong Karluk River early run resulted in an earlier than typical start to Kodiak’s commercial fishery. The test fishery was ultimately conducted earlier than scheduled and hampered by inclement weather. Scale samples are collected to assess age composition and qualitative information (including the presence of a freshwater-age-3 scale pattern found in Karluk River sockeye salmon). All harvested salmon are sold to fund the test fishery.

The Karluk Lake sockeye salmon run has historically provided the largest source of harvestable surplus for the Kodiak commercial salmon fishery (Witteveen et al. 2005). Karluk Lake early-run sockeye salmon is the dominant local stock migrating through Westside Kodiak prior to mid-June (Barrett and Nelson 1995). Westside Kodiak is defined as commercial salmon fishing areas between Low Cape in the south and Cape Paramanof in the north, to Termination Point in the east (Figure 3). Beginning in June and extending into early July, most of the Westside Kodiak fishery management is based on Karluk early-run sockeye salmon escapement, the buildup of sockeye salmon in Karluk Lagoon, and commercial catches (Keyse 2014). A weir operated by ADF&G provides the primary mode of enumeration for sockeye salmon escapement into the Karluk River (Figure 1; Jackson and Keyse 2013). Over the past 20 years Karluk sockeye salmon have shown an increasing tendency to hold for long periods in Karluk Lagoon, prior to escaping in large pulses, making timely management problematic.

The main emphasis of the ADF&G salmon management program is to promote maximum sustainable yield for future KMA salmon returns by supporting salmon escapement of sufficient magnitude and temporal and geographic distribution (Keyse 2014). Simultaneously, the goal is to provide for orderly fisheries, maximize harvest opportunities and product quality, and adhere to management plans adopted by the Alaska Board of Fisheries (BOF). The Kodiak sockeye salmon test fishery is a useful tool in pursuit of the above.

# OBJECTIVES

## BIOLOGICAL OBJECTIVES

### Primary Objectives:

- Provide management staff with an index of the migratory abundance of sockeye salmon in the Outer Karluk Section during the first week of June.
- Collect scale samples to estimate the age of sockeye salmon caught in the test fishery.

### Secondary Objective:

- Collect genetic tissue samples from test fishery harvest.

## FISCAL OBJECTIVE

- Secure revenue to meet the needs for the test fishery project: the sale of the fish caught during the test fishery is expected to cover the costs for the charter, ADF&G personnel costs, and equipment necessary for the collection and processing of test fishery samples.

# METHODS

## Request for Quotation

Distribute the Request for Quotation (RFQ) bid package by May 5, 2014 (Appendix A.).

## Notification of Test Fishing Activity

The United States Coast Guard (USCG) should be informed of test fishing activity. Directions to do this are found in Appendix B.

## Test Fishery Protocol

The preferred location for test fishing is at Cape Uyak in the Outer Karluk Section of the Southwest Kodiak District (Figures 1–2). A hook for southbound fish will typically be held at Cape Uyak for 30 minutes. Fish will be seined using a 2–3 strips deep 250-fathom net with a 50 fathom lead. The strategy is to seine in a standardized manner during the daylight hours while recording geographic coordinates, tidal cycle, seas, and weather conditions. The 2013 test fishery results provided in Table 1 show an example of some data that will need to be recorded. While the preferred and typical set location is Cape Uyak, it is possible that sets will be conducted anywhere between Rocky Point and Cape Karluk (Figure 2).

When the set is complete, all fish captured will be enumerated by species. Scale samples will be collected from harvested sockeye salmon. A minimum of 40 sockeye salmon will be sampled from each set. If less than 40 sockeye salmon are caught in a set, then the number of fish caught will be the sample size for that set. Fishing days include a minimum of 6 sets; if 40 sockeye salmon are caught in each set, the minimum sample size per day is 240 fish. The KMA Salmon Catch and Escapement Sampling Operational Plan (Moore *In Prep*) provides details on collecting scales from sockeye salmon. All salmon will be transferred into the boat's fish hold containing refrigerated seawater (RSW) after sampling is complete. The number and species of marine mammals in the vicinity of the set will be noted. Test fisheries are required to record bycatch; all species captured will be enumerated and logged. All Chinook salmon will be released immediately; Chinook salmon will not be allowed to flounder on deck.

In addition to scale samples, a bulk sample of 200 sockeye salmon axillary processes will be collected for possible future genetic analysis (Appendix C).

If test fishery catches are extremely high and the test fish’s allowable authority is or will be surpassed, all salmon will be enumerated in the seine and released without being brought aboard. Test fishery salmon harvested will be sold to a processing facility. Fish tickets will be issued to the State of Alaska, Department of Fish and Game, Division of Commercial Fisheries, Kodiak. Date, pounds, number of fish, and price will be double checked, and a copy of all fish tickets will be retained by the ADF&G employee(s).

**Safety**

United States Coast Guard approved personal flotation devices must be worn at all times while on the water. Safety is the highest priority of this project. State safety regulations and Standard Operating Procedures (SOPs) will be followed at all times. Employees are required to review and sign the following SOPs before beginning work:

- 111-700 Safety Policies and Standards
- 111-730 Aircraft Safety for Passengers
- 111-740 Boating Safety

**SCHEDULE AND DELIVERABLES**

| Date          | Activity   |
|---------------|--|
| March–April   | Write project operational plan   |
| May           | Distribute RFQ and award bid   |
| June 1–June 9 | Conduct test fishery   |
| mid-June      | Age sockeye scales, enter into database  |
| January       | Final data published in 2014 Kodiak Management Area Catch and Escapement Sampling Results report |

**RESPONSIBILITIES**

|  |   |
|--|---|
| Fisheries Biologist II –<br>Michelle Moore | Department representative aboard test fishing vessel, sample and age scales, and write final report |
|--|---|

## REFERENCES CITED

- Barrett, B. and P. Nelson. 1995. Estimation of Karluk Lake early- and late-run sockeye returns based on scale age data, 1985-1994. Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Regional Information Report 4K95-44, Kodiak.
- Keyse, M. 2014. Kodiak management area harvest strategy for the 2014 commercial salmon fishery. Alaska Department of Fish and Game, Fishery Management Report No. 14-13, Anchorage. <http://www.adfg.alaska.gov/FedAidPDFs/FMR14-13.pdf>
- Jackson, J. and M. Keyse. 2013. Kodiak Management Area commercial salmon fishery annual management report, 2013. Alaska Department of Fish and Game, Fishery Management Report No. 13-44, Anchorage. <http://www.adfg.alaska.gov/FedAidPDFs/FMR13-44.pdf>
- Moore, M. L. *In prep.* Kodiak Management Area salmon catch and escapement sampling operational plan, 2014. Alaska Department of Fish and Game, Regional Information Report.
- Witteveen, M., N. Sagalkin, M. Foster, K. Bouwens, S. Honnold, S. Schrof, and R. Baer. 2005. Westward Region salmon run reconstruction for the 2003 season and forecasting for the 2004 season. Alaska Department of Fish and Game, Division of Commercial Fisheries Regional Information Report 4K05-02, Kodiak.

## **TABLES AND FIGURES**

Table 1.–Kodiak salmon test fishery conditions and results, 2013.

| Set #          | Date     | Start Time | Area        | Weather           | Wind  | Seas  | Duration   | Tide Status | Harvest |      |         |
|----------------|----------|------------|-------------|-------------------|-------|-------|------------|-------------|---------|------|---------|
|                |          |            |             |                   |       |       |            |             | Sockeye | Chum | Chinook |
| 1 <sup>a</sup> | 6/5/2013 | 4:15 PM    | Cape Uyak   | overcast, drizzle | NE 25 | 7 ft  | 30 minutes | ebb         | 124     | 2    | 0       |
| 2 <sup>a</sup> | 6/5/2013 | 5:45 PM    | Cape Uyak   | overcast, drizzle | NE 25 | 7 ft  | 30 minutes | ebb         | 121     | 1    | 1       |
| 3 <sup>b</sup> | 6/5/2013 | 7:06 PM    | Cape Uyak   | overcast, drizzle | NE 25 | 8 ft  | 30 minutes | flood       | 190     | 0    | 0       |
| 4              | 6/6/2013 | 9:23 AM    | Pafco Point | partly cloudy     | NE 35 | 10 ft | 30 minutes | flood       | 0       | 0    | 0       |
| Total:         |          |            |             |                   |       |       |            |             | 435     | 3    | 1       |

<sup>a</sup> Standardized set (30 minute south-bound hook at Cape Uyak)

<sup>b</sup> A humpback whale swam into this set. The set was disrupted while the boat maneuvered to get the whale out of the net. The net was straightened out with both the test fishery vessel and seine skiff. Once the whale was out of the area, the hook was reestablished and held for the time remaining in the set before closing.

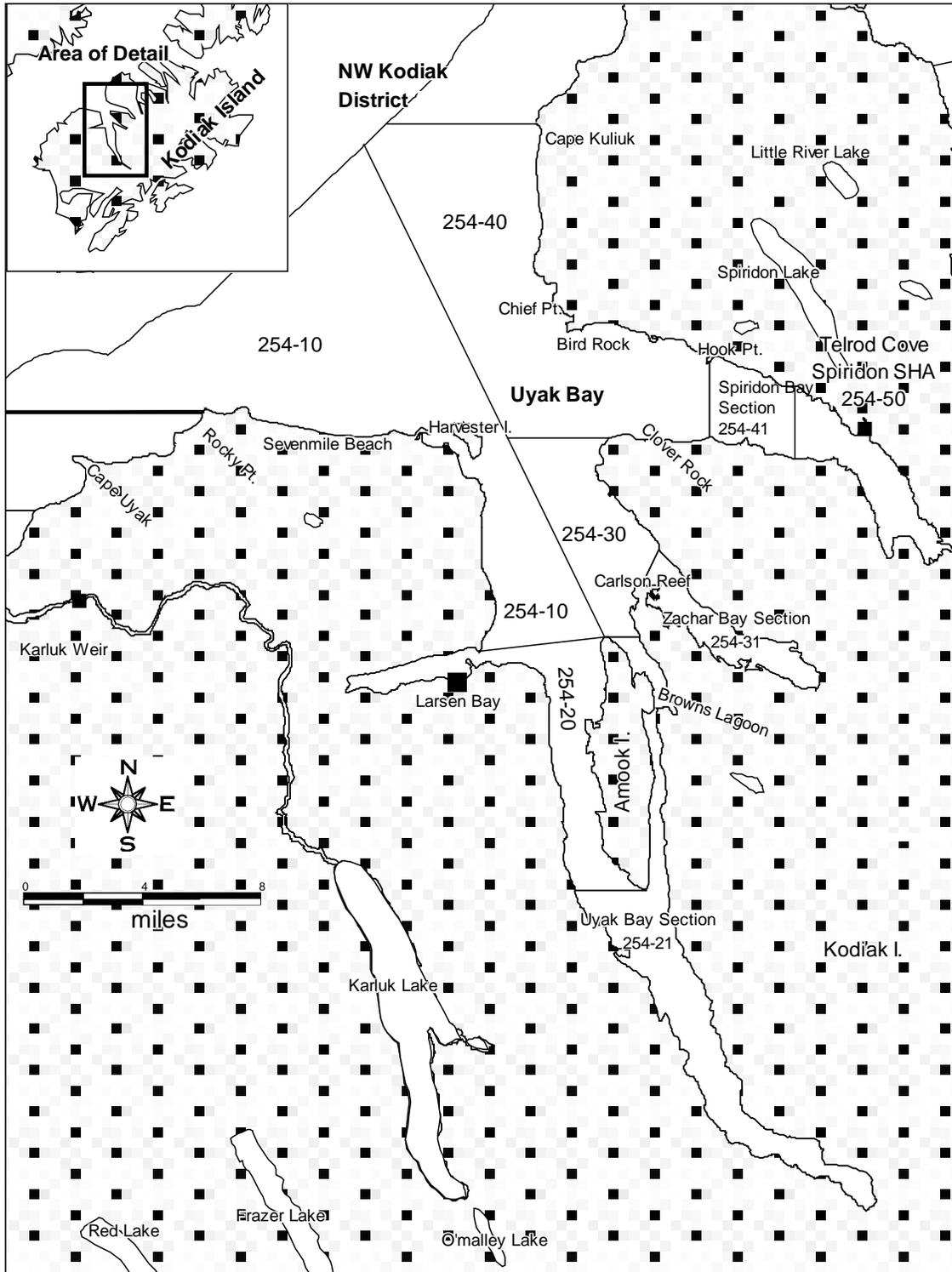


Figure 1.—Karluk Lake and the Kodiak Management Area commercial salmon statistical areas in the Larsen Bay area of the Northwest Kodiak District.

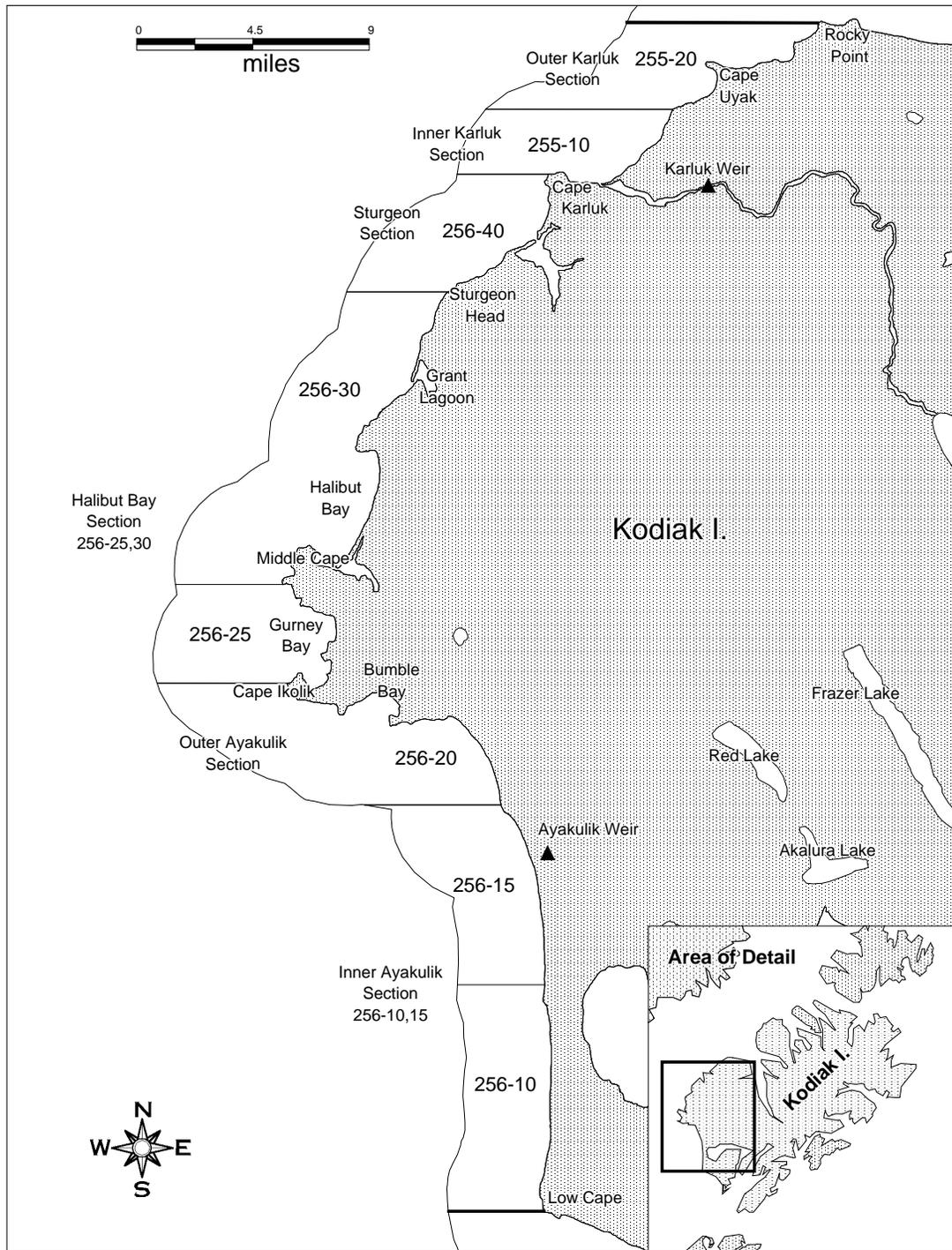


Figure 2.—Kodiak Management Area commercial salmon statistical areas in the Southwest Kodiak District (Karluk/Sturgeon, Halibut/Gurney bays, and Ayakulik areas) harvests.

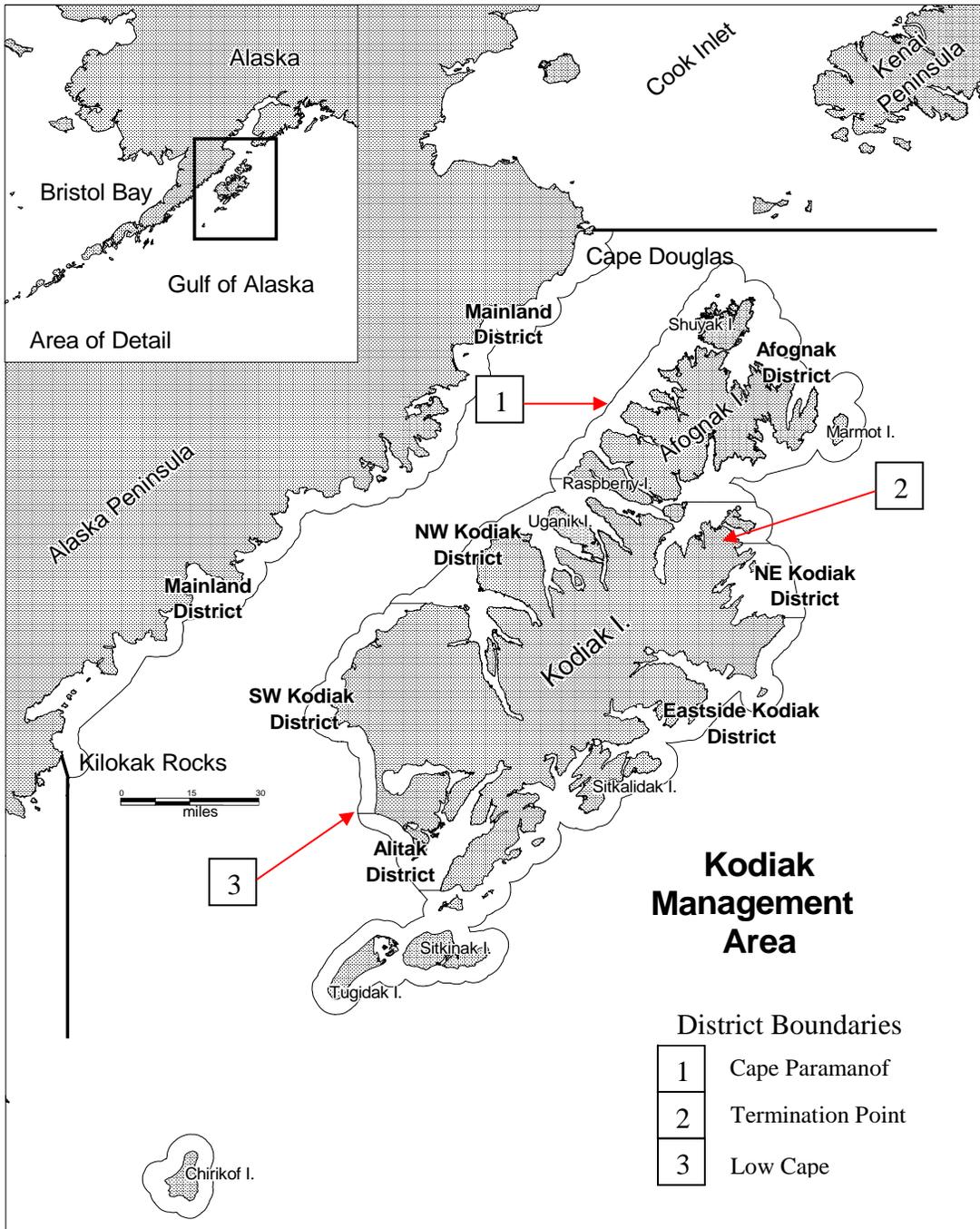


Figure 3.—Kodiak Management Area commercial salmon fishing districts with Westside Kodiak boundaries.



**APPENDIX A. 2014 KODIAK SOCKEYE SALMON TEST  
FISHERY BID SPECIFICATIONS**

**ALASKA DEPARTMENT OF FISH AND GAME  
DIVISION OF COMMERCIAL FISHERIES**

**2014 KODIAK SALMON TEST FISHERY CHARTER VESSEL BID**

The Alaska Department of Fish and Game (ADF&G) is soliciting bids to charter one (1) purse seine fishing vessel to conduct test fishing primarily in the Outer Karluk Section of the Kodiak Management Area for approximately 2 days between June 2–7, 2014.

The test fishery will be used to gauge the early season abundance of Karluk sockeye salmon. Each fishing day will include a minimum of six standardized 30-minute sets. Additional purse seining may be conducted at the discretion of the ADF&G employee(s). Test fishing will normally be conducted at Cape Uyak, but may occur from Cape Karluk to Rocky Point. Up to two ADF&G employees may be aboard the charter vessel while fishing to monitor and collect scale samples from the test fish catch. The start date and actual numbers of charter days may vary depending on weather. The charter will originate in Kodiak or Larsen Bay and will terminate in Larsen Bay where the test fish catch will be sold (to ensure the highest quality product).

Purse seining will take place during daylight hours, but exact times will be governed by on-grounds weather and tidal conditions. Sockeye salmon caught during standardized sets will be sampled for age by collecting scale samples (conducted by ADF&G employee(s) onboard). The vessel must provide 3 meals/day for up to two ADF&G personnel for the duration of the charter. ADF&G staff may overnight aboard the vessel. ADF&G will have general direction over the activity of the vessel, but the contractor will be responsible for the safe operation of the vessel. All Chinook salmon caught will be released immediately. Retained fish and revenue generated from the sale of fish caught in the test fishery, will become the property of the State of Alaska.

Skippers participating in the test fishery must have 5-years experience seining in the area. The vessel must be at least 48 feet in overall length with a raised enclosed wheelhouse, an operational down-sounding sonar, GPS, and operational communications equipment (VHF radio plus satellite phone system). The charter vessel must be equipped with refrigerated seawater (RSW) to maintain the fish in good quality before delivery, and must be capable of operating under weather and sea conditions common to the cape and season. Additionally, first aid and fire-fighting equipment, and a Coast Guard approved life raft with capacity for the entire crew (including ADF&G staff) must be aboard the chartered vessel at all times while under contract. The vessel must meet safety standards outlined by the USCG and be available for vessel inspection if requested by the State. The chartered vessel will provide all supplies and equipment necessary for vessel operation including fuel and equipment lubricants.

The successful bidder must show current insurance information. Protection and Indemnity insurance, including crew exposure, in the amount of at least \$300,000 is required. The State will provide insurance coverage for State employees only. The contractor will hold the State harmless from any liability caused by loss of vessel or damage caused to or by the vessel.

The 2014 bid should be based on a percentage of the dock value, not to exceed 80%. Bids exceeding 80% of the dock value will be rejected. The contract will be awarded to the bidder with the lowest percentage of the total value of the catch. A minimum of \$1,750 dollars per fishing day is guaranteed to

the awarded bidder upon completion of test fishery obligations. The total value of the test fishery catch is not to

---

-continued-

---

Appendix A1.-Page 2 of 2.

---

exceed \$25,000, the allowable test fish authority. Delays or interruptions in the charter due to equipment failure will be the responsibility of the skipper and lost time will be deducted from the charter costs or can be made up by extending the charter duration at the discretion of ADF&G employee(s). The bid will be awarded on Tuesday, May 20, 2014 to the lowest bidder meeting the vessel requirements. ADF&G reserves the right to reject any or all quotes.

**Bids must be received by the Alaska Department of Fish and Game in Kodiak by 4:30 p.m. Monday, May 19, 2014.**



**APPENDIX B. UNITED STATES COAST GUARD  
NOTIFICATION OF TEST FISHING**

Appendix B1.–United States Coast Guard notification of test fishing.

---

In order to comply with Federal Department of Homeland Security requirements, a notification protocol has been implemented to inform the United States Coast Guard (USCG) of ADF&G test fishing operations on a chartered vessel. This is intended to reduce confusion over apparent fishing activity in closed waters or during closed seasons, and also in the possible proximity of sensitive areas such as around marine mammals.

The following information will be made available to the USCG Command Center prior to test fishing:

- The name of the vessel and registration numbers
- The call sign / captain's name
- The area of operations
- The date of operations
- The type of work being done

The information will be provided by Kodiak ADF&G personnel to a procurement specialist at ADF&G headquarters in Juneau, who will coordinate and forward the information to the USCG Command Center prior to any test fishing activity. The intent to test fish information will be sent to:

Dave Mitchell  
Procurement Specialist III  
Alaska Department of Fish and Game Headquarters  
1255 W 8th St  
Juneau, AK 99801  
(907) 465-4131 phone  
(907) 465-6181 fax  
dave.mitchell@alaska.gov

**APPENDIX C. PROCEDURE FOR CLIPPING AXILLARY  
PROCESS FROM SOCKEYE SALMON**

Appendix C1.-Procedure for clipping axillary process from sockeye salmon.

---



The axillary process is located above pelvic fin. The axillary process should be removed with the provided clippers. The clipped tissue will be placed in a bulk sampling bottle containing EtOH. No more than 200 axillary processes should be placed into the provided bottle. Upon return to the office, the bottle should be given to the project leader for further

