**Fishery Data Series No. 14-58**

# Salmon Age and Sex Composition and Mean Lengths for the Yukon River Area, 2012

**by**

**Kyle J. Schumann**

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**Alaska Department of Fish and Game** **Divisions of Sport Fish and Commercial Fisheries**

## Symbols and Abbreviations

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**Weights and measures (metric)**

| | |
|---|---|
| centimeter | cm |
| deciliter | dL |
| gram | g |
| hectare | ha |
| kilogram | kg |
| kilometer | km |
| liter | L |
| meter | m |
| milliliter | mL |
| millimeter | mm |

**Weights and measures (English)**

| | |
|---|---|
| cubic feet per second | $ft^3/s$ |
| foot | ft |
| gallon | gal |
| inch | in |
| mile | mi |
| nautical mile | nmi |
| ounce | oz |
| pound | lb |
| quart | qt |
| yard | yd |

**Time and temperature**

| | |
|---|---|
| day | d |
| degrees Celsius | °C |
| degrees Fahrenheit | °F |
| degrees kelvin | K |
| hour | h |
| minute | min |
| second | s |

**Physics and chemistry**

| | |
|---|---|
| all atomic symbols | |
| alternating current | AC |
| ampere | A |
| 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 |

**General**

| | |
|---|---|
| Alaska Administrative Code | AAC |
| all commonly accepted abbreviations | e.g., Mr., Mrs., AM, PM, etc. |
| all commonly accepted professional titles | e.g., Dr., Ph.D., R.N., etc. |
| at | @ |
| compass directions: | |
| east | E |
| north | N |
| south | S |
| west | W |
| copyright | © |
| corporate suffixes: | |
| Company | Co. |
| Corporation | Corp. |
| Incorporated | Inc. |
| Limited | Ltd. |
| District of Columbia | D.C. |
| et alii (and others) | et al. |
| et cetera (and so forth) | etc. |
| exempli gratia (for example) | e.g. |
| Federal Information Code | FIC |
| id est (that is) | i.e. |
| latitude or longitude | lat. or long. |
| monetary symbols (U.S.) | $, ¢ |
| months (tables and figures): first three letters | Jan,...,Dec |
| registered trademark | ® |
| trademark | ™ |
| United States (adjective) | U.S. |
| United States of America (noun) | USA |
| U.S.C. | United States Code |
| U.S. state | use two-letter abbreviations (e.g., AK, WA) |

**Mathematics, statistics**

| | |
|---|---|
| *all standard mathematical signs, symbols and abbreviations* | |
| alternate hypothesis | $H_A$ |
| base of natural logarithm | *e* |
| catch per unit effort | CPUE |
| coefficient of variation | CV |
| common test statistics | (F, t, $\chi^2$, etc.) |
| confidence interval | CI |
| correlation coefficient (multiple) | R |
| correlation coefficient (simple) | r |
| covariance | cov |
| degree (angular ) | ° |
| degrees of freedom | df |
| expected value | *E* |
| greater than | > |
| greater than or equal to | ≥ |
| harvest per unit effort | HPUE |
| less than | < |
| less than or equal to | ≤ |
| logarithm (natural) | ln |
| logarithm (base 10) | log |
| logarithm (specify base) | $\log_2$, etc. |
| minute (angular) | ' |
| not significant | NS |
| null hypothesis | $H_O$ |
| percent | % |
| probability | P |
| probability of a type I error (rejection of the null hypothesis when true) | α |
| probability of a type II error (acceptance of the null hypothesis when false) | β |
| second (angular) | " |
| standard deviation | SD |
| standard error | SE |
| variance | |
| population | Var |
| sample | var |

*FISHERY DATA SERIES NO. 14-58*

# SALMON AGE AND SEX COMPOSITION AND MEAN LENGTHS FOR THE YUKON RIVER AREA, 2012

by
Kyle J. Schumann
Alaska Department of Fish and Game, Division of Commercial Fisheries, Anchorage

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

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*Kyle J. Schumann*
*Alaska Department of Fish and Game, Division of Commercial Fisheries,*
*333 Raspberry Rd., Anchorage, AK 99518, USA*

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# ABSTRACT

Biological data were collected from Chinook (*Oncorhynchus tshawytscha*), summer chum (*O. keta*), fall chum (*O. keta*), and coho (*O. kisutch*) salmon at 34 locations along the United States portion of the Yukon River drainage in 2012. Age, sex, and length (ASL) data were obtained from 6,410 Chinook, 5,733 summer chum, 3,532 fall chum, and 966 coho salmon from commercial and subsistence harvests, as well as test fisheries, escapement, and tagging projects. Samples were collected from salmon caught with gillnets, fish wheels, beach seines, weir traps, rod and reel, dip nets, and from hand-picked carcasses. Where available, escapement estimates from sonar and weir projects were separated into temporal segments (strata) and commercial harvests were separated by fishing periods. The ASL data collected during the stratum or period was applied to the corresponding commercial harvest or escapement estimate. At test fishery projects, data were stratified by quartiles based on catch per unit of effort, sample size, or gear. Subsistence harvest data were stratified by gear.

In 2012, age-1.3 Chinook salmon predominated the incidental harvest in the summer chum salmon commercial fishery and subsistence samples, as well as most escapement project samples. Age-1.4 Chinook salmon predominated most of the test fishery samples. At many long standing projects 5-year-old (age-1.3 and age-2.2) Chinook salmon percentages were at or above the 5-year average. Both summer and fall chum salmon commercial, test fishery, and escapement samples were primarily composed of age-0.3 fish. Age-2.1 coho salmon predominated in the commercial and test fishery samples.

Key words: Chinook, *Oncorhynchus tshawytscha*,summer and fall chum *O. keta*, coho, *O. kisutch*, age, sex, length (ASL), escapement, weir, test fish, subsistence, commercial, Yukon River.

# INTRODUCTION

The Yukon River drainage encompasses coastal waters from Canal Point light, near Cape Stephens, southward to the Naskonat Peninsula (Estensen et al. 2012), and upstream to the headwaters near Whitehorse, Canada (Figure 1). The drainage supports major runs of Chinook (*Oncorhynchus tshawytscha*) summer chum (*O. keta*), fall chum (*O. keta*), and coho (*O. kisutch*) salmon. All 3 of these salmon species are harvested in commercial, subsistence, personal use, test, and sport fisheries in Alaska. Harvests also occur in the Canadian portion of the drainage by commercial, subsistence, aboriginal, sport, and domestic fishermen (JTC 2013). Pink (*O. gorbuscha*) and sockeye *(O. nerka*) salmon are also indigenous to the drainage; however, neither species are harvested by fishermen to any significant extent.

Adult Chinook and summer chum salmon runs typically enter the mouth of the Yukon River during late May or early June to begin their upstream migration. These runs are followed by fall chum salmon, which enter the Yukon River from mid-July through early September. Summer chum salmon are genetically distinct from fall chum salmon and can be distinguished from their fall counterparts by their smaller size, lower oil content, and different spawning locations. Summer chum salmon spawn in the lower and middle portion of the drainage, whereas fall chum salmon spawn in the upper portion of the drainage (Crane et al. 2001; Estensen et al. 2012). Coho salmon enter the Yukon River from late July through September.

For management purposes, the Alaska portion of the drainage is divided into 7 districts and 10 subdistricts (Figure 2). The Lower Yukon area consists of the Coastal District and Districts 1, 2, and 3. The Upper Yukon area consists of Districts 4, 5, and 6.

In order to characterize annual spawning runs of each species, by specific location and for the drainage as a whole, by age, sex, and size, sampling must be conducted to adequately represent fisheries (subsistence and commercial) and escapement. Age composition estimates are necessary in order to estimate the total returns of salmon from each parent brood year; this

information is used for inseason management, preseason outlooks, run reconstructions and analysis of escapement goals.

Yukon River drainage salmon age, sex, and length (ASL) data have been collected since 1960. Data were historically recorded using handwritten forms, then on computerized mark-sense forms, electronic data loggers, and most recently, with Microsoft Excel[1] files. Annual ASL data summaries have been reported in various formats. From 1962 through 1968 these data were reported in Annual Management Reports or Arctic Anadromous Fishery Investigation Reports. From 1969 through 1981 data were reported in Salmon Age, Sex, and Size Composition, an Alaska Department of Fish and Game (ADF&G) special report series. From 1982 through 1988 data were published in the Technical Fisheries Report series (e.g., Buklis 1987). For the years 1989, 1990–2003 data were published in the Regional Information Report series (e.g., Menard 1996). In 2004, ADF&G Division of Commercial Fisheries (CF) began using the Fishery Data Series to report annual Yukon River area ASL data (e.g., Schumann and DuBois 2011). Individual salmon ASL data records collected in the Yukon River area are available from the Arctic, Yukon, and Kuskokwim (AYK) Salmon Database Management System http://www.adfg.alaska.gov/CommFishR3/WebSite/AYKDBMSWebsite/Default.aspx.

The purpose of this report is to provide a summary of the 2012 Yukon River drainage salmon ASL data collected from various commercial and subsistence harvests, test fisheries, and escapement, tagging, and genetic sampling projects (Table 1). ASL data and summaries provide the basis for a variety of analyses including preseason run outlooks, assessment of females and older-aged fish in escapements, and spawner-recruit models.

# BACKGROUND

## COMMERCIAL FISHERIES

Commercial fishing occurs throughout the mainstem Yukon River and in the lower 224 river miles (rm) of the Tanana River. A directed Chinook salmon commercial harvest has not occurred since 2007 because of decreased run abundance. Fall chum and coho salmon were typically harvested in Districts 1, 2, 5, and 6. Samples were typically collected from districts with large harvests that were most accessible for sampling crews: Districts 1 and 2 from the Emmonak-based crew and Districts 5 and 6 from the Fairbanks-based crew. The majority of the commercially caught Chinook and summer chum salmon were harvested from Districts 1 and 2, with smaller harvests occurring in the other districts.

In 2012, set and drift gillnets were the only legal commercial and subsistence fishing gear in the Lower Yukon area (Districts 1, 2, and 3; Figure 2). In 2012, set gillnets and fish wheels were the only legal gear in the Upper Yukon area (Districts 4, 5, and 6; Figure 2), except for District 4 where drift gillnets were allowed (ADF&G 2010–2013).

In 2012, summer chum commercial fishing occurred from June 29 to July 15 in District 1, July 2 through July 18 in District 2, July 1 through July 30 in Subdistrict 4-A, and July 20 through August 15 in District 6. The sale of incidentally harvested Chinook salmon was not allowed due to low abundance. In Districts 1 and 2 gillnets were restricted to 6 in or smaller mesh sizes and in Subdistrict 4-A and in District 6 all harvest were from fish wheels (Hayes and Newland 2012).

[1] All product names used in this report are included for scientific completeness and do not constitute a product endorsement.

Summer chum salmon were sampled from selected periods in Districts 1, 6, and Subdistrict 4-A. Most of the incidentally harvested Chinook salmon samples were from the District 1 harvest.

In 2012, commercial fishing for fall chum and coho salmon occurred in District 1 from July 16 through August 30, District 2 from July 22 through August 31, and in Subdistrict 4-A from August 9 through September 30. Coho salmon were incidentally harvested and sold during fall chum salmon directed commercial fishing periods (Estensen and Borba 2012). Commercially-caught fall chum were sampled in 2012 from selected periods in District 1 and Subdistrict 4-A. Coho salmon were sampled from the District 1 harvest.

## SUBSISTENCE FISHERIES

Subsistence fishing occurs throughout the Yukon River drainage, with most of the effort concentrated in the mainstem. Chinook, summer chum, fall chum, and coho salmon are the principal species utilized by subsistence fishermen. The primary gear used to harvest subsistence salmon in Districts 1 and 2 were set and drift gillnets; a mixture of gillnets and fish wheels were used in Districts 4 and 5 (Jallen et al. 2012). The main species sampled for ASL data from subsistence harvests was Chinook salmon because U.S. subsistence harvests comprised most of the Canadian stock harvest in 2012 and age composition was needed to update the brood table for this stock. Because of low Chinook salmon abundance, sampling was not directed by specific gear types or mesh sizes; instead, any fish available were sampled. Fall chum salmon subsistence harvests typically were not sampled in the drainage; however, samples were collected from a fish wheel in Subdistrict 4-A in 2012.

Since 2001, the summer season subsistence salmon fishery has been on a regulatory "windowed" schedule consistent with Chinook salmon migratory timing as the run progresses upstream (JTC 2013). To provide further protection of Chinook salmon, some subsistence fishing periods were cancelled, some periods were reduced, and mesh sizes were restricted to 6 in or less (Hayes and Newland 2012). For fall chum salmon, beginning July 16 in District 1, subsistence fishing was open 7 days a week; 24 hours a day and with 7.5 in or less mesh gillnets.

## TEST FISHERIES

Test fishery projects provided assessments of run strength, timing, and ASL composition. Test fishery projects in 2012 operated in marine waters and in the mainstem Yukon River. Data from these test fisheries were included in the ASL sampling program to supplement information on inseason run strength and timing indices.

### Dall Point Test Fishery

In 2012, in cooperation with the Yukon Delta Fisheries Development Association (YDFDA), a drift gillnet test fishery operated offshore of Dall Point, in the vicinity of Hooper Bay (Figure 2). The purpose of this project was to evaluate the feasibility of estimating run timing and relative abundance of salmon before they enter the Yukon River. Test fishing was conducted during the summer season using gillnets with 5.5 in mesh for summer chum salmon. ASL data were collected from summer chum salmon in 2012.

### Lower Yukon Test Fishery

The Big Eddy and Middle Mouth test fishery sites, located in District 1 near river mile 24, are referred to as the Lower Yukon test fishery (LYTF). Since 1979, the LYTF has utilized set and

drift gillnets to estimate run timing and relative abundance of Chinook, summer chum, fall chum, and coho salmon returning to the Yukon River. The Big Eddy test fishery site is located on Kwikluak Pass (South Mouth) near the village of Emmonak (Figure 1). The Middle Mouth test fishery site is located on Kwikpak Pass, upstream of Kawanak Pass (Middle Mouth) and Apoon Pass (North Mouth, Figure 1; Estensen and Padilla 2012).

During the summer season (ending July 15) in 2012, 8.5 in mesh set gillnets and 8.25 in mesh drift gillnets were used to target Chinook salmon, and 5.5 in mesh drift gillnets were used to target summer chum salmon (Newland and Hayes 2008). During the fall season (July 16–August 31) in 2012, 6.0 in mesh drift gillnets were used to target fall chum and coho salmon (Estensen and Padilla 2012). ASL data were collected from Chinook, summer chum, fall chum, and coho salmon in 2012.

### Mountain Village Test Fishery

The Mountain Village drift gillnet test fishery operated during the fall season in District 2 from 1995 to 2012 in cooperation with Asa'carsarmiut Traditional Council, and for the summer season from 2010 to 2012 with assistance from YDFDA. The objectives were to estimate the relative abundance and migratory timing of Chinook, fall chum, and coho salmon in the Yukon River near Mountain Village (rm 87, Figure 1). In 2012, the Mountain Village test fishery operated from mid-June to mid-July for the summer season using 7.5 in mesh drift gillnets to target Chinook salmon, and from mid-July to mid-September for the fall season in using 5 ⅞ in mesh drift gillnets to target fall chum and coho salmon. ASL data were collected from Chinook, fall chum, and coho salmon in 2012.

### Pilot Station Sonar

Located in District 2 (rm 123, Figure 1), Pilot Station sonar uses hydroacoustic equipment to generate daily Chinook, summer chum, fall chum, and coho salmon abundance estimates. Pilot Station sonar has been in operation since 1986, and multiple styles of equipment have been used to estimate fish passage. In 2012, the Pilot Station sonar project used a combination of fixed-location split-beam sonar and dual frequency identification sonar (DIDSON).

Test fishing was conducted in order to apportion the passage estimates by species; a suite of gillnets of various mesh sizes were drifted through the sonar site (Carroll and McIntosh 2011). Sonar equipment and fishing gear were operated at regular intervals within a 24 hour period. Chinook salmon were sampled for ASL data from early June to mid-July in 2012.

### Eagle Sonar

Located in District 5, the Eagle sonar project (rm 1,206, Figure 1) estimates run timing and passage estimates for Chinook and fall chum salmon. To apportion the passage estimates by species, a test fishery is conducted in which a suite of gillnets of various mesh sizes are drifted through the sonar site. Chinook salmon were sampled from test fishery catches from early July to mid-August and fall chum salmon were sampled from mid-August to early October (Smith and Dunbar 2012).

## ESCAPEMENT PROJECTS

Annual assessments of spawning escapements are monitored in Yukon River tributaries by means of weirs, counting towers, sonar projects, and carcass and aerial surveys (Estensen et al. 2012). The ground based weir, tower, and sonar projects typically include an ASL sampling program,

whereby samples are collected by capturing salmon with a trap built into a weir (see Tobin 1994 for an example of weir sampling and operation methods), fishing a beach seine, or hand-picking carcasses on the spawning grounds. In 2012, ASL samples were collected from Chinook and summer chum salmon on 4 long-standing escapement projects in the drainage, located on the East Fork Andreafsky, Anvik, Chena, and Salcha rivers. Additional ASL sampling was conducted on the Gisasa River and Henshaw Creek, both tributaries of the Koyukuk River.

### East Fork Andreafsky River Weir

The Andreafsky River joins the Yukon River near the village of Saint Mary's (rm 104, Figure 1). A weir has operated to estimate Chinook and summer chum salmon escapements in the East Fork Andreafsky River since 1994 (Mears 2011). The weir typically operates from mid-June to late July. A weir trap was used to collect samples from Chinook and summer chum salmon in 2012.

### Anvik River Sonar

The Anvik River flows for 124 river miles before joining the Yukon River near the community of Anvik (rm 318, Figure 1). Summer chum salmon escapements to the Anvik River have been monitored since 1979 using sonar (McEwen 2011). The sonar typically operates from late June to late July. ASL data were collected from Chinook salmon in 2012 from hand-picked carcasses and from summer chum salmon caught with a beach seine.

### Chena River Tower

The Chena River (rm 920) is a tributary of the Tanana River, located 225 rm upriver from the confluence of the Tanana and Yukon rivers (Figure 1). A counting tower has operated to estimate Chinook and summer chum salmon escapements in the Chena River since 1993. ASL data from Chinook salmon were collected in 2012 from hand-picked carcasses.

### Delta River Carcass Survey

The Delta River is a tributary of the Tanana River, located 336 rm upriver from the confluence of the Tanana and Yukon rivers (Figure 1). Carcass surveys have been used to monitor Delta River fall chum salmon escapements since 1972 (JTC 2013). These surveys are typically conducted from late October to late November, contingent on run timing. ASL data using vertebrae were collected from fall chum salmon in 2012. Vertebrae were collected for age determination from chum salmon from projects further from the Yukon River mouth due to high amounts of scale absorption.

### Gisasa River Weir

The Gisasa River flows into the Koyukuk River 56 rm upstream from the confluence of the Koyukuk and Yukon rivers (rm 508, Figure 1). A resistance board weir has operated on the Gisasa River since 1994 to estimate Chinook and summer chum salmon escapements and run timing. The weir typically operates from late June through late July and is located 2.5 rm upriver from the confluence with the Koyukuk River (Melegari 2012). Chinook and summer chum salmon were captured for sampling using a weir trap in 2012.

### Henshaw Creek Weir

Henshaw Creek is located in the upper Koyukuk River drainage 468 rm from the confluence of the Koyukuk and Yukon rivers (Figure 1). A resistance board weir, located about 1 mile up from

the confluence with the Koyukuk River, has operated on Henshaw Creek since 2000. The weir typically operates from late June to early August and provides escapement and run timing estimates for Chinook and summer chum salmon. ASL data were collected in 2012 from Chinook and summer chum salmon using a weir trap.

### Salcha River Tower

The Salcha River (rm 965) is a tributary of the Tanana River, located 270 rm upriver from the confluence of the Tanana and Yukon rivers (Figure 1). Salcha River Chinook and summer chum salmon escapements have been monitored by a counting tower located near the Richardson Highway Bridge since 1993 (Savereide 2012). Counting is conducted from late June to early September. ASL data were collected from Chinook and summer chum salmon carcasses in 2012.

### Sheenjek River Sonar

The Sheenjek River sonar project is located 6 rm upstream from the confluence with the Porcupine River (Figure 1). The Porcupine River flows another 52 rm before its confluence with the mainstem Yukon River (rm 1,002). Fall chum salmon escapement in the Sheenjek River was monitored using sonar technology from 1981 through 2012, generally from early August to late September (Dunbar 2012). ASL data (from vertebrae) were collected from fall chum salmon caught in a beach seine in 2012.

### Toklat River Carcass Survey

The Toklat River flows into the Kantishna River 45 rm upstream of the confluence of the Tanana and Yukon rivers (695 rm Figure 1). ASL data (from vertebrae) were collected from fall chum salmon carcasses in 2012.

## ACOUSTIC TAGGING

The purpose of this project was to determine the physical distribution of adult salmon as they migrated in the Yukon River past the sonar project at Pilot Station. The project objective was to acoustically tag 150 Chinook salmon and 150 summer chum salmon during each of 2 operational seasons beginning in 2011. Chinook and summer chum salmon were caught using a suite of gillnets of various mesh sizes near Pitkas Point (rm 103, Figure 2). Once caught, the fish were outfitted with an acoustic tag and released. In 2012, ASL data were collected from Chinook salmon (Bruce McIntosh, Commercial Fisheries Biologist, ADF&G, Fairbanks; personal communication).

## GENETIC SAMPLING

The Nulato River joins the Yukon River below the village of Nulato (rm 484, Figure 2). The purpose of Nulato River genetic sampling in 2012 was to collect tissue samples from 200 adult Chinook salmon to add to the genetic stock identification (GSI) baseline. ASL data were also collected from most fish (P. Drobny, Fish Biologist, Spearfish Research; personal communication).

# OBJECTIVE

The objective of the Yukon River ASL project in 2012 was to summarize age, sex, and length data by fishery and location or by project from Chinook, summer chum, fall chum, and coho salmon collected throughout the Alaska portion of the Yukon River drainage.

# METHODS

Various state, federal, non-governmental agencies and consultants collected ASL samples and data. Methods described are those procedures recommended by ADF&G; other organizations may have collected and recorded data using slightly different procedures.

## GENERAL SAMPLING PROCEDURES

Scales were removed from the preferred area of the fish and mounted on gum cards for age determination by ADF&G staff (INPFC 1963). The preferred area is located on the left side of the fish, 2 rows of scales above the lateral line along a line from the posterior insertion of the dorsal fin to the anterior insertion of the anal fin. One scale was removed from each chum salmon and a minimum of 3 scales were removed from each Chinook and coho salmon. Scale regeneration, or scale loss and rapid replacement, contributes to aging uncertainties primarily in the freshwater growth area. Chinook and coho salmon usually rear in freshwater for 1 year or longer, hence 3 scales were removed from these fish to increase the chance of selecting a scale that could be aged (Bales and DuBois 2007). In some tributaries, vertebrae were used to age summer chum and fall chum salmon when scale absorption makes aging scales difficult. Vertebrae were removed from fish collected during carcass sampling and beach seining projects.

Sex was determined by examining internal reproductive organs or external characteristics such as kype development and presence of reproductive organs at the vent. The Dall Point test fishery, LYTF, and carcass sampling surveys were the only projects where internal organs were examined; hence, these projects have accurate sex composition. Other test fishery projects conducted by non-ADF&G staff were instructed to examine internal organs; however, this protocol may not have been followed in all projects. Internal organs were not examined from commercial and some subsistence harvests and some non-ADF&G staffed test fisheries, because cutting fish would decrease fish value to commercial buyers and subsistence fishermen prefer to cut their fish immediately before processing.

Lengths were determined by measuring each fish from mideye to fork-of-tail with a caliper, meter stick, flexible cloth tape, fish board or fish cradle and were recorded to the nearest 1 mm increment. Field data were recorded in Rite in the Rain books, entered into MS Excel files, and uploaded into an inseason MS Access database.

## SAMPLE COLLECTION

### Commercial Harvest Sampling

ADF&G Division of Commercial Fisheries crews conducted commercial harvest sampling for summer and fall chum salmon, and coho salmon in Districts 1 and 6 and Subdistrict 4-A. Chinook salmon incidentally harvested during summer chum salmon directed commercial fishing periods and retained for subsistence use were sampled in District 1 by ADF&G crews and subsistence samplers, and in District 2 by subsistence samplers (Table 1). Sample goals were 200 Chinook, 160 (each) summer and fall chum, and 140 coho salmon by period or week and district (Bromaghin 1993). District 1 samples were collected from a fish processor in Emmonak. Subdistrict 4-A summer and fall chum salmon samples were collected from a processor in Kaltag. District 6 summer chum salmon samples were collected from a processor in North Pole near Fairbanks.

Off-loading crews placed each chum or coho salmon in a species-specific tote or bin. When excess fish were not available, crews sampled all available fish until the sample goal was attained. When excess fish were available, sampling crews selected a tote of fish and sampled every fish in the tote. Sampling crews worked quickly to attain sampling goals in the short time between fish delivery and processing.

The majority of Chinook salmon incidentally caught during summer chum salmon directed commercial fishing periods in District 1 were sampled at the dock while the fishermen were signing their fish tickets. As each boat arrived at the dock a member of the ADF&G crew asked the captain of each boat for permission to sample any Chinook salmon they had harvested. If permission was granted, any Chinook salmon in the boat were laid out in the bottom of the boat or fish tote and sampled. Due to the circumstances and conditions in which these fish were sampled, the length measurements were not collected in an ideal manner (i.e., completely flat on a level surface), and are therefore considered not as accurate as those collected under better circumstances (e.g., LYTF). In addition to samples collected by the ADF&G crew, subsistence samplers contracted through Association of Village Council Presidents (AVCP) sampled Chinook salmon incidentally caught during summer chum salmon directed commercial periods in Districts 1 and 2 and retained for subsistence use.

## Subsistence Harvest Sampling

Subsistence harvests of Chinook and fall chum salmon were sampled during subsistence fishing openings or shortly after the closure. Sex, length, gear type, and mesh size data were collected in most samples. The sample design for Chinook salmon subsistence harvests was to collect samples from selected villages in each district along the Yukon River mainstem. The resulting age composition estimates were later combined for a drainage-wide estimate (e.g., Leba and DuBois 2011). ADF&G selected villages for sampling based on past success and data gaps among districts. Collecting subsistence harvest samples from each selected village was opportunistic and depended on timing, availability, and willingness of fishermen to participate. Assuming consistent effort by samplers, more fish were sampled when more fish are available which tends to self-weight the samples by gear, area, and time period collected.

Numerous agencies employed technicians to sample Chinook salmon from local subsistence harvests. AVCP technicians conducted sampling in Alakanuk, Emmonak, Kotlik, Marshall, Mountain Village, and Saint Mary's. Tanana Chiefs Conference (TCC) technicians conducted sampling in Anvik, Fort Yukon, Galena, and Ruby. Technicians from the City of Kaltag sampled harvests near Kaltag. Stan Zuray and a crew from the Rapids Research Center (RRC) sampled harvests near Rampart Rapids. Samples were collected from fall chum salmon by an ADF&G commercial fisheries crew near Rampart (Table 1).

## Test Fishery Sampling

The test fishery sampling goals were up to 30 (each) Chinook, summer chum, and fall chum salmon daily; and up to 20 coho salmon daily. The Dall Point test fishery crew (ADF&G) sampled summer chum salmon from 5.5 in mesh drift gillnets. The ADF&G crew sampled Chinook salmon at the Big Eddy and Middle Mouth test fishing sites from 8.5 in mesh set gillnets and 8.25 in mesh drift gillnets, summer chum salmon from 5.5 in drift gillnets, and fall chum and coho salmon from 6.0 in mesh drift gillnets. For fish sampled from the Dall Point and the LYTF projects sex was determined by examination of internal reproductive organs for accurate sex determination. Test fishery crews in Mountain Village (YDFDA and Asa'carsarmiut Traditional Council) sampled

Chinook salmon from 7.5 in mesh drift gillnets, and fall chum and coho salmon from 5 ⅞ in mesh drift gillnets. The Pilot Station sonar crew (ADF&G) sampled Chinook salmon caught in a suite of drift gillnets of various mesh sizes (2.75 in, 4.0 in, 5.0 in, 5.25 in, 5.75 in, 6.5 in, 7.5 in, and 8.5 in). The Eagle sonar crew (ADF&G) also used a suite of drift gillnets of various mesh sizes to sample Chinook (5.25 in, 6.5 in, 7.5 in, and 8.5 in) and fall chum salmon (5.25 in and 7.5 in). Test fishery crews sampled every fish harvested until their daily sample goal was reached.

### Escapement Sampling

Several organizations that operated weirs, sonar projects, counting towers, and other ground-based surveys conducted escapement sampling (Table 1). Sampling goals varied among projects, but generally were 160 Chinook, and 160 summer or fall chum salmon per event. An event may have been weekly sampling, quartiles based upon run timing, or a single sample goal for the season. Suggested sample goals, specific project objectives, fish abundance, historical fish passage, run timing, water levels, personnel, and budget were some of the issues considered by project leaders when assessing sample goals. The U.S. Fish and Wildlife Service (USFWS) collected samples at the East Fork Andreafsky and Gisasa rivers. Samples collected from Henshaw Creek were collected by TCC. Samples collected from the Anvik, Delta, Sheenjek, and Toklat rivers were collected by ADF&G. Samples from the Chena River were collected by ADF&G Division of Sport Fish. Samples from the Salcha River were collected by Bering Sea Fisherman's Association (BSFA).

Chinook and summer chum salmon were live-sampled using a trap built into the weirs at the East Fork Andreafsky and Gisasa rivers and Henshaw Creek (see Sundlov et al. 2003 for an example of weir sampling and operation methods). Summer chum salmon were live-sampled using a beach seine in the Anvik River. Ground based surveys were used to sample Chinook salmon carcasses at the Anvik, East Fork Andreafsky, Chena, and Salcha rivers (Savereide 2012).

### Acoustic Tag Sampling

The ADF&G tagging crew collected ASL samples from Chinook salmon caught in 5.25 in, 6.0 in, 7.25 in, and 8.5 in mesh drift gillnets.

### Genetic Sampling

Chinook salmon were caught using hook and line or dip nets and a small number of samples were obtained from carcasses. The genetic samples and ASL data were collected by Spearfish Research.

## AGE DETERMINATION

Scales or vertebrae were used to determine age. The scales, which are mounted on gum cards, were impressed in cellulose acetate using methods described by Clutter and Whitesel (1956). Scale impressions were magnified and examined using a Microfiche reader. Age was determined by counting the number of freshwater and marine annuli. Annuli are the regions of the scale where the circuli, or rings, are tightly spaced representing slower growth rates associated with winter conditions (Mosher 1969). Ages were recorded using European notation, the number of freshwater annuli separated by a decimal from the number of marine annuli. Total age from the brood year is the sum of freshwater and marine annuli plus 1 to account for time spent in the gravel before hatching. Vertebrae samples were frozen, cleaned, and dried; ages were also

determined by visually counting annuli. Ages were entered into MS Access, or into an MS Excel file depending upon the format in which sex and length data were originally recorded.

## DATA ANALYSIS

As observed from a given location, the ASL composition of a returning salmon population often changes over the course of the season (Molyneaux et al. 2006); therefore, to better estimate a total harvest or escapement, a stratified random sampling design was used. Samples were divided into time strata, ASL composition from the samples in each stratum were applied to the harvest or escapement for that stratum, and stratum estimates were summed to obtain the season total ASL composition estimate. This design was intended to minimize effects of disproportionate sampling due to changes in ASL composition through the season. Strata were assigned to fishing periods for commercial harvests and to date ranges for escapement estimates. Strata were adjusted depending on the number and distribution of samples collected. An attempt was made to include sufficient sample sizes within each stratum to estimate the proportion of each major age class to obtain a 95% confidence interval width no greater than of 10% of the estimate (Bromaghin 1993). The escapement or harvest for each stratum was provided by project leaders or ADF&G fish ticket harvest reports. Sample ASL compositions were applied to most commercial harvests and escapement estimates at the East Fork Andreafsky, Gisasa, and Henshaw weirs and the Anvik River sonar.

### Estimation of proportion by age and sex

Proportion of fish of age class *a* of sex *s* during the stratified period *i* was estimated as:

$$\hat{p}_{a,s,i} = \frac{n_{a,s,i}}{n_i}, \tag{1}$$

Where,

$n_{a,s,i}$ = number of samples for age class *a* of sex *s* in stratified period *i*, and

$n_i$ = number of samples in stratified period *i*.

Within a given fishery, location, or project, the number of fish of specific age class *a* and sex *s* during a stratified period *i* was estimated as:

$$\hat{N}_{a,s,i} = \frac{n_{a,s,i}}{n_i} N_i, \tag{2}$$

Where,

$n_{a,s,i}$ = number of samples for age class *a* of sex *s* in stratified period *i*,

$n_i$ = number of samples in stratified period *i*, and

$N_i$ = number of fish during the stratified period *i*.

When data for all strata were available, the seasonwide proportion and number of fish of specific age *a* and sex *s* was estimated as:

$$\hat{p}_{a,s} = \frac{1}{N}\sum_i N_i \hat{p}_{a,s,i}, \; N = \sum_i N_i,$$
$$\hat{N}_{a,s} = \sum_i \hat{N}_{a,s,i}. \tag{3}$$

Seasonwide age proportion was estimated as:

$$\hat{p}_a = \frac{1}{N}\sum_i \sum_s N_i \hat{p}_{a,s,i} \,. \tag{4}$$

Seasonwide female proportion was estimated as:

$$\hat{p}_{s=f} = \frac{1}{N}\sum_i \sum_a N_i \hat{p}_{a,s,i} \,. \tag{5}$$

## Estimation of mean length by age and sex

For the length, mean length and standard error for fish of age *a* and sex *s* in stratified period *i* was estimated as:

$$\bar{y}_{a,s,i} = \frac{\sum_j y_{a,s,i,j}}{n_{a,s,i}}$$

$$se = \sqrt{\frac{s^2_{a,s,i}}{n_{a,s,i}}} \,. \tag{6}$$

Where:

$y_{a,s,i,j}$ = length of *j*-th fish of age *a* and sex *s*, sampled during period *i*, and

$$s^2_{a,s,i} = \frac{\sum_j (y_{a,s,i,j} - \bar{y}_{a,s,i})^2}{n_{a,s,i} - 1} \,. \tag{7}$$

When data for all strata were available, seasonwide mean length and standard error for fish of age *a* and sex *s* were estimated as:

$$\bar{y}_{a,s} = \frac{1}{N_{a,s}}\sum_i N_{a,s,i}\bar{y}_{a,s,i}$$

$$se = \sqrt{\hat{V}(\bar{y}_{a,s})} \,. \tag{8}$$

Where:

$$\hat{V}(\bar{y}_{a,s}) = \frac{1}{N^2_{a,s}}\sum_i N^2_{a,s,i}\hat{V}(\bar{y}_{a,s,i})$$

$$\hat{V}(\bar{y}_{a,s,i}) = \left(\frac{s^2_{a,s,i}}{n_{a,s,i}}\right). \tag{9}$$

Samples from other projects (test fisheries and subsistence harvests) were summarized by sample size only, without applying them to harvest numbers or run strength indices. Some of these samples were also be summarized by mesh size, gear type, location, or date ranges.

# RESULTS

## CHINOOK SALMON

In 2012, a total of 6,410 Chinook salmon were sampled for ASL data from the United States portion of the Yukon River drainage (Tables 2–5; Appendices A1–A29).

Age, sex, and length samples were collected from 627 Chinook salmon incidentally harvested during summer chum salmon directed commercial fishing periods. Most samples ($n$ = 621) were from Chinook salmon harvested in District 1 (Appendix A1). The samples collected from District 1 were considered sufficient to represent the entire District 1 harvest. The samples collected from District 2 ($n$ = 6) were not adequate to represent the District 2 harvest due to the small sample size (Appendix A2). District 1 samples were assumed to be representative of the District 2 harvest. Age-1.3 fish predominated the District 1 harvest and females comprised 29.8% of the harvest (Table 2 and Appendix A1).

Age, sex and length samples were collected from 1,273 subsistence-harvested Chinook salmon (Table 2; Appendices A3–A14). Chinook salmon harvested from Rampart Rapids ($n$ = 444) were sampled for length and sex only (Table 2; Appendix A13). Age-1.3 fish predominated from all other subsistence locations (Table 2; Appendices A3–A14). Female percentages in the subsistence harvest ranged from 12.5% in the Ruby gillnet harvest to 35.0% in the Anvik gillnet harvest (Table 2; Appendices A12 and A9).

Age, sex and length samples were collected from a total of 2,062 Chinook salmon at 5 test fishery locations (Tables 2 and 3; Appendices A15–A21). Age-1.4 fish predominated from all locations, with the exception of the Pilot Station sonar which had 47.8% age-1.3 fish. The LYTF Big Eddy site 8.5 in mesh set gillnet and the Big Eddy site 8.25 in mesh drift gillnet had the highest percentage of age-1.4 fish with 71.4% and 64.4% respectively (Table 2; Appendices A16 and A15). In the test fishery samples, female percentages ranged from 43.1% at Pilot Station sonar to 64.6% at the LYTF Middle Mouth site 8.5 in mesh set gillnet (Table 2; Appendices A17 and A20).

Age, sex, and length samples were collected from a total of 2,248 Chinook salmon at 6 escapement projects (Tables 2 and 4; Appendices A22–A27). Age-1.3 Chinook salmon predominated from most escapement projects, with the exception of the Chena and Salcha River carcass surveys which had 49.0% and 59.3% age-1.4 fish, respectively (Table 2; Appendices A24 and A27). Female percentages ranged from 28.2% in the East Fork Andreafsky River weir samples to 59.8% from the Salcha River carcass survey (Table 2; Appendices A22 and A27).

The Pilot Station Chinook salmon acoustic tagging project collected age, sex, and length samples from a total of 150 Chinook salmon during operation in 2012. Age-1.4 Chinook salmon predominated and females comprised 64.0% of fish sampled (Table 2; Appendix A28).

The Nulato River Chinook salmon genetic sampling project collected age, sex, and length samples from a total of 50 Chinook salmon. The ASL samples were incidental to the genetic collection and not applied to an escapement estimate. Age-1.3 Chinook salmon predominated and females comprised 36.0% of fish sampled (Table 2; Appendix A29).

The male mean length by age from all projects was: 563 mm for age-1.2, 707 mm for age-1.3, and 806 mm for age-1.4 fish. The female mean length by age from all projects was: 583 mm for age-1.2, 761 mm for age-1.3, and 831 mm for age-1.4 fish (Table 5).

## SUMMER CHUM SALMON

A total of 5,733 summer chum salmon were sampled for ASL data from the Alaska portion of Yukon River drainage in 2012 (Tables 6–9; Appendices B1–B13).

Age, sex, and length samples were collected from 1,374 commercially-harvested summer chum salmon (Tables 6 and 7; Appendices B1–B4). Age-0.3 fish predominated from the commercial harvests in all districts (Tables 6 and 7). Females represented 47.6% of the District l, 49.2% of the District 2, 98.4% of the Subdistrict 4-A, and 64.9% of the District 6 commercial harvest (Tables 6 and 7). No samples were collected from summer chum salmon harvested during District 2 commercial periods. The overall age and sex composition for the District 2 harvest was estimated by applying the age and sex composition of District 1 periods to unsampled District 2 periods. The high female percentage in the Subdistrict 4-A commercial harvest is because females only were sold during some periods.

Age, sex, and length samples from 2,007 summer chum salmon were collected from the Dall Point test fishery and the LYTF projects combined (Tables 6 and 8; Appendices B5–B8). Similar to the commercial harvest in the lower river, age-0.3 fish was the most common age class. Females made up 38.3% of summer chum salmon sampled at Dall Point, 55.5% at the Big Eddy site, and 58.5% at the Middle Mouth site. Compared with the LYTF historical average (1987–1988, 1990–2006, 2009–2012), the 2012 LYTF summer chum salmon age-0.3 and age-0.5 percentages were above average and female percentages were slightly below average (Table 8).

Age, sex, and length samples from 2,352 summer chum salmon were collected from 5 escapement projects in tributaries of the Yukon River. Similar to the commercial harvest, age-0.3 fish predominated from all escapement projects (Table 6; Appendices B9–B13). The average percentage of females from all escapement projects was 54.8%. The Salcha River carcass samples had the highest percentage of females at 65.4% and the East Fork Andreafsky River weir had the lowest at 47.6% (Table 6; Appendices B13 and B9).

The mean length for male summer chum salmon by age was: 527 mm for age-0.2, 562 mm for age-0.3, 589 mm for age-0.4, and 593 mm for age-0.5. The female mean length by age was: 496 mm for age-0.2, 537 mm for age-0.3, 556 mm for age-0.4, and 563 mm for age-0.5 fish (Table 9). Length comparisons between males and females at all projects for summer chum salmon showed that males were larger than females of equal age.

## FALL CHUM SALMON

A total of 3,532 fall chum salmon were sampled for ASL data from the Alaska portion of the Yukon River drainage in 2012 (Tables 6, 7, 9 and 10; Appendices C1–C13).

Age, sex, and length samples were collected from 1,126 commercially-harvested fall chum salmon. Age-0.3 fish predominated in all districts and subdistricts. Females represented 54.7% of the District 1, 52.8% of the District 2, and 50.5% of the Subdistrict 4-A commercial harvest (Tables 6 and 7; Appendices C1–C3). No samples were collected from the fall chum salmon harvested in the District 2 commercial periods. The overall age and sex composition for the

District 2 harvest was estimated by applying the age and sex composition of District 1 periods to unsampled District 2 periods.

Age, sex, and length samples were collected from 49 fall chum salmon in the Subdistrict 5-C subsistence harvest. Irrespective of the small sample size, the age composition was consistent with that of the commercial harvest in District 1 with 81.6% age-0.3 fish. Females comprised 49.0% of the samples (Table 6; Appendix C4).

Age, sex, and length samples were collected from 1,817 fall chum salmon harvested in 4 test fisheries (Table 6; Appendices C5–C9). Overall, the test fishery samples were predominated by age-0.3 fish (75.0%) and females composed 51.9% of fish sampled (Table 6).

Vertebrae samples from 510 fall chum salmon were collected at 3 escapement sites in Yukon River tributaries: the Delta, Sheenjek, and Toklat rivers (Tables 6, 9, and 10; Appendices C10–C13). Overall, the samples were predominated by age-0.3 fish (69.0%), which was less than the age-0.3 percentage from most other fall chum salmon projects. Overall, the fish sampled from the escapement projects were composed of 50.4% females, ranging from 65.0% from Toklat River carcass samples to 32.8% from Delta River carcass samples (Table 6; Appendix C10 and C12). The Toklat River samples consisted of 150 aged fish and 180 fish with sex and length; the ages were not collected with the corresponding sex and length (Appendix C12).

The mean length for male fall chum salmon by age was: 553 mm for age-0.2, 583 mm for age-0.3, 600 mm for age-0.4, and 617 mm for age-0.5 fish. The female mean length by age was: 561 mm for age-0.2, 566 mm for age-0.3, 577 mm for age-0.4, and 581 mm for age-0.5 fish (Table 9). Similar to summer chum salmon, length comparisons between males and females for fall chum salmon showed that males were larger than females of equal age, with the exception of age-0.2 females being slightly larger than males (Table 9).

## COHO SALMON

A total of 966 coho salmon were sampled for ASL data from the Yukon River drainage in 2012 (Tables 11 and 12; Appendices D1–D5).

Age, sex, and length samples were collected from 458 commercially-harvested coho salmon from District 1. Age-2.1 fish predominated the District 1 commercial harvest. Females comprised 49.2% of the District 1 commercial harvest (Table 11; Appendix D1).

Age, sex, and length samples were collected from 508 coho salmon at 3 test fishery projects, (Table 11; Appendices D2–D5). Overall, the test fishery samples were predominated by age-2.1 fish (59.0%) followed by age-1.1 fish (33.9%). Females comprised 45.7% of the test fishery samples (Table 11).

The male mean length by age was: 552 mm for age-1.1 and age-2.1, and 548 mm for age-3.1 fish. The female mean length by age was: 551 mm for age-1.1, 552 mm for age-2.1, and 553 mm for age-3.1 fish (Table 12).

In 2012, age-2.1 coho salmon predominated; this is typically the most common age of coho salmon that return to the drainage (Table 11). The percentage of female coho salmon was below 50% at all test fish projects with the exception of the LYTF Middle Mouth site (Table 11). The LYTF Middle Mouth site harvest had the highest percentage of female fish; the sex of these fish was determined from internal characteristics (51.5%, Table 11). In 2012, there was little

difference in mean length by sex with the exception of the age-3.1 females being larger than males (Table 12).

# DISCUSSION

Age, sex, and length data have been collected from Yukon River salmon species since the 1960s. This information aids in fishery management decisions and allows researchers to develop brood tables for run reconstruction and spawner-recruit analysis. It also provides data to evaluate annual and historical changes in the ASL composition of salmon throughout the Yukon River drainage. Yukon River ASL sampling projects were designed to account for temporal and spatial variability that exists within salmon populations, but there is potential for some biases caused by small sample sizes, scale absorption, and collection methods. Age, sex, and length data users are cautioned to be aware of these inherent biases when interpreting data.

One possible bias, due to scale absorption, exists in samples collected from carcasses as well as those taken on or near the spawning grounds. This potential bias is caused by the margin of the scale being absorbed as an energy reserve in the last few weeks of a salmon's life (Clutter and Whitesel 1956). Scale absorption normally becomes more pronounced the farther upriver the samples are collected and may lead to under aging because little evidence of the outermost annulus remains. For these reasons, vertebrae were collected for aging Salcha River summer chum carcasses, and all fall chum salmon carcasses.

A bias often results from inherent size selectivity in sample collection methods. This bias is most apparent with Chinook salmon, because of the large range in fish size, where males and younger aged fish predominate in the smaller size fish. Gillnets are size selective based on mesh size, and fish wheels tend to be biased towards smaller sized fish that migrate near shore in lower water velocities (Meehan 1961). In spawning ground carcass recoveries, Kissner and Hubartt (1986) indicated that Chinook salmon males tend to drift downstream while females tend to remain near their redds; during periods of increased water velocities, smaller fish have a greater potential to be carried downstream and out of the study area. Zhou (2002) indicated that fish size and stream flow affect carcass recovery rates. This nonrandom dispersal of carcasses could bias ASL data towards females and larger older-aged fish, although proper sampling designs have been shown to reduce this (Evenson 1991; Skaugstad 1990). Many scientists also believe a bias may exist in weir sampling towards smaller fish when larger fish are more reluctant, or "trap shy", to enter a confined weir trap structure and be available for live sampling. Though trap shyness has yet to be scientifically evaluated, users of these data should be aware that this potential bias exists. Sampling biases are described in greater detail by Molyneaux et al. (2006).

Historically, Chinook salmon caught in the LYTF with 8.5 in mesh have been close to 50% female (Table 3). Females made up 62.6% of the 2012 samples from the LYTF, which was above the historical average (Table 3). This above average percentage of females may be attributed to the slightly above average percentage of 6-year-old fish, which are predominantly females. Samples collected from individual projects and locations can vary in sex composition, which is often related to the gear used to capture the fish and the relative percentage of smaller age-1.2 fish which are usually male. A relatively low percentage of females can be attributable to the selectivity of small mesh gillnets or fish wheels, where smaller and typically male fish are caught (Meehan 1961; Molyneaux et al. 2005). In 2012, low percentages of females were found in the District 1 commercial harvest, as well as all of the subsistence harvest sampling projects (Table 2). The low percentage of females in the District 1 commercial harvests is most likely due

to the commercial periods targeting summer chum salmon with 6.0 in or less mesh gillnets that harvested smaller, usually male, Chinook salmon. The percentage of females from the East Fork Andreafsky River weir and the Anvik River were below average, but the percentage of females from the Chena and Salcha rivers were above average (Table 4).

At the LYTF projects where sex was determined through internal examination of reproductive organs, and is therefore more accurate than other projects using external characteristics for sex determination, Chinook salmon males were smaller on average than females, which is consistent with recent analyses. Karpovich and DuBois (2007) found that males were smaller than females with the exception of the age-1.5 fish. Molyneaux et al. (2006) also reported male Chinook salmon had a smaller mean length than females on the Kuskokwim River.

At the LYTF project locations, Chinook salmon age distribution was different by sex, where the majority of the younger fish (age-1.2 and age-1.3) were male and more of the older fish (age-1.4, age-1.5, and age-2.4) were female. This relationship between Chinook salmon age and sex is typical and has been reported previously from the Yukon and Kuskokwim rivers (Horne-Brine et al. 2009; Molyneaux et al. 2006).

In 2012, overall the percentage of 5-year-old Chinook salmon (age-1.3 and age-2.2) was at or above the historical average (Tables 3 and 4). The above average percentage of 5-year-old Chinook salmon is attributed to the 2007 brood year. Above average percentages of Chinook salmon returning from the 2007 brood year were also observed from all escapement projects in 2011, where 4-year-old fish (age-1.2 and age-2.1) comprised as many as 22.4 percentage points more than average (Table 4). The 2012 percentages of 5-year-old (age-1.3 and age-2.2) Chinook salmon from LYTF, East Fork Andreafsky River, Anvik River, Chena River, and Salcha River were at, or significantly above, the 5-year averages (Tables 3 and 4). Other escapement projects with high percentages of 5-year-old fish were the Gisasa River and Henshaw Creek weirs (Table 2). 5-year-old Chinook salmon also predominated in the subsistence harvest, regardless of gear.

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# TABLES AND FIGURES

Table 1.–Projects and salmon species for which age, sex, and length data were collected in 2012 from the Yukon area.

| | | Salmon Species (ASL Summaries Present = X) | | | |
|---|---|---|---|---|---|
| Project Type | Location | Chinook | Summer | Fall Chum | Coho |
| Commercial | District 1 [a] | X [b] | X | X | X |
| | District 2 [a] | X [b] | | | |
| | Subdistrict 4-A [a] | | X | X | |
| | District 6 [a] | | X | | |
| Subsistence | District 1 Alakanuk [c] | X | | | |
| | District 1 Emmonak [c] | X | | | |
| | District 1 Kotlik [c] | X | | | |
| | District 2 Marshall [c] | X | | | |
| | District 2 Mountain Village [c] | X | | | |
| | District 2 St. Mary's [c] | X | | | |
| | Subdistric 4-A Anvik [d] | X | | | |
| | Subdistrict 4-A Kaltag [e] | X | | | |
| | Subdistricts 4-A, 4-B, 4-C Galena [d] | X | | | |
| | Subdistricts 4-B, 4-C Ruby [d] | X | | | |
| | Subdistrict 5-B Rampart Rapids [f] | X [g] | | | |
| | Subdistrict 5-C Rampart [a] | | | X | |
| | Subdistrict 5-D Fort Yukon [d] | X | | | |
| Test Fishery | Dall Point [a] | | X | | |
| | Big Eddy [a] | X | X | X | X |
| | Middle Mouth [a] | X | X | X | X |
| | Mountain Village [h] | X | | X | X |
| | Pilot Station Sonar [a] | X | | | |
| | Eagle Sonar [a] | X | | X | X |
| Escapement | Andreafsky River, East Fork [i] | X | X | | |
| | Anvik River [a] | X | X | | |
| | Chena River [j] | X | | | |
| | Delta River [a] | | | X | |
| | Gisasa River [i] | X | X | | |
| | Henshaw Creek [d] | X | X | | |
| | Salcha River [k] | X | X | | |
| | Sheenjek River Sonar [a] | | | X | |
| | Toklat River [a] | | | X | |
| Acoustic | Pilot Station [a] | X | | | |
| Genetic | Nulato River [l] | X | | | |

[a] Project was operated by the Alaska Department of Fish and Game, Division of Commercial Fisheries.
[b] Incidental harvest from the commercial summer chum salmon fishery.
[c] Project was operated by Association of Village Council Presidents.
[d] Project was operated by the Tanana Chiefs Conference.
[e] Project was operated by the City of Kaltag.
[f] Project was operated by the Rapids Research Center and Stan Zuray.
[g] Only sex and length data were collected by this project.
[h] Project was operated by the Asa'carsarmiut Traditional Council.
[i] Project was operated by the United States Fish and Wildlife Service.
[j] Project was operated by the Alaska Department of Fish and Game, Division of Sport Fish.
[k] Project was operated by the Bering Sea Fishermen's Association.
[l] Project was operated by Spearfish Research.

Table 2.–Yukon River Chinook salmon age and female percentages from commercial, subsistence, test fishery, escapement, and genetic sampling projects, 2012.

| | | Percent (%) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Brood Year (Age) | | | | | | | | | | | |
| Project Type | Sample | 2009 | 2008 | | 2007 | | 2006 | | 2005 | | 2004 | | |
| Location and (gear) | Size | (1.1) | (1.2) | (2.1) | (1.3) | (2.2) | (1.4) | (2.3) | (1.5) | (2.4) | (1.6) | (2.5) | Female |
| Commercial | | | | | | | | | | | | | |
| District 1 (≤ 6" mesh gillnet) [a] | 621 | 0.0 | 18.8 | 0.0 | 50.2 | 0.2 | 30.0 | 0.2 | 0.5 | 0.2 | 0.0 | 0.0 | 29.8 |
| District 2 (≤ 6" mesh gillnet) [a, b] | 6 | 0.0 | 33.3 | 0.0 | 50.0 | 0.0 | 16.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50.0 |
| Subsistence | | | | | | | | | | | | | |
| District 1 Alakanuk (gillnet) | 58 | 0.0 | 12.1 | 0.0 | 55.2 | 0.0 | 27.6 | 3.4 | 1.7 | 0.0 | 0.0 | 0.0 | 24.1 |
| District 1 Kotlik (gillnet) | 13 | 0.0 | 5.9 | 0.0 | 69.2 | 0.0 | 30.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23.1 |
| District 1 Emmonak (gillnet) | 46 | 0.0 | 6.5 | 0.0 | 63.0 | 0.0 | 28.3 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 23.9 |
| District 2 Mountain Village (gillnet) | 72 | 0.0 | 0.0 | 0.0 | 58.3 | 0.0 | 40.3 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | 31.9 |
| District 2 St. Mary's (gillnet) | 218 | 0.0 | 3.7 | 0.0 | 53.9 | 0.5 | 40.2 | 0.5 | 1.4 | 0.0 | 0.0 | 0.0 | 26.6 |
| District 2 Marshall (gillnet) | 103 | 0.0 | 4.9 | 0.0 | 58.3 | 0.0 | 34.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 16.5 |
| Subdistrict 4-A Anvik (gillnet) | 60 | 0.0 | 5.0 | 0.0 | 60.0 | 0.0 | 30.0 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.0 |
| Subdistrict 4-A Kaltag (7.5" mesh drift gillnet) | 45 | 0.0 | 2.2 | 0.0 | 64.4 | 0.0 | 33.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26.7 |
| Subdistricts 4-B, 4-C Galena (set gillnet) | 22 | 0.0 | 0.0 | 0.0 | 77.3 | 0.0 | 22.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.7 |
| Subdistricts 4-B, 4-C Ruby (7.5" set gillnet) | 32 | 0.0 | 18.8 | 0.0 | 65.6 | 0.0 | 12.5 | 0.0 | 0.0 | 3.1 | 0.0 | 0.0 | 12.5 |
| Subdistrict 5-B Rampart Rapids (gillnet, fish wheel) [c] | 444 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.4 |
| Subdistrict 5-D Fort Yukon (fish wheel) | 160 | 0.6 | 9.4 | 0.0 | 50.6 | 0.6 | 33.8 | 3.1 | 0.6 | 1.3 | 0.0 | 0.0 | 30.0 |
| Test Fishery | | | | | | | | | | | | | |
| Big Eddy (8.25" mesh drift gillnet) | 219 | 0.0 | 1.8 | 0.0 | 31.5 | 0.5 | 64.4 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 61.2 |
| Big Eddy (8.5" mesh set gillnet) | 346 | 0.0 | 1.4 | 0.0 | 24.3 | 0.0 | 71.4 | 0.0 | 2.0 | 0.9 | 0.0 | 0.0 | 59.8 |
| Middle Mouth (8.5" mesh set gillnet) | 461 | 0.0 | 1.1 | 0.0 | 34.1 | 0.0 | 63.1 | 0.0 | 0.7 | 1.1 | 0.0 | 0.0 | 64.6 |
| Mountain Village (7.5" mesh drift gillnet) | 405 | 0.0 | 1.7 | 0.0 | 44.7 | 0.2 | 49.1 | 0.0 | 1.2 | 2.7 | 0.0 | 0.2 | 44.2 |
| Pilot Station Sonar (2.75" to 8.5" mesh drift gillnet) | 385 | 0.8 | 5.7 | 0.0 | 47.8 | 0.0 | 42.9 | 0.5 | 0.8 | 1.6 | 0.0 | 0.0 | 43.1 |
| Eagle Sonar (5.25" to 8.5" mesh drift gillnet) | 246 | 0.4 | 6.1 | 0.0 | 29.3 | 0.4 | 56.9 | 2.4 | 1.2 | 3.3 | 0.0 | 0.0 | 49.6 |

-continued-

Table 2.–Page 2 of 2.

| Project Type / Location and (gear) | Sample Size | Percent (%) Brood Year (Age) 2009 (1.1) | 2008 (1.2) | 2008 (2.1) | 2007 (1.3) | 2007 (2.2) | 2006 (1.4) | 2006 (2.3) | 2005 (1.5) | 2005 (2.4) | 2004 (1.6) | 2004 (2.5) | Female |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Escapement | | | | | | | | | | | | | |
| Andreafsky River, East Fork (weir trap) | 572 | 0.2 | 11.1 | 0.0 | 64.6 | 0.0 | 23.7 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 28.2 |
| Anvik River (hook and line, carcass)[d] | 246 | 0.0 | 14.6 | 0.0 | 53.7 | 0.0 | 31.3 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 30.1 |
| Chena River (carcass) | 198 | 0.5 | 5.1 | 0.0 | 45.5 | 0.0 | 49.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 55.6 |
| Gisasa River (weir trap) | 523 | 0.0 | 11.4 | 0.0 | 60.6 | 0.3 | 26.9 | 0.0 | 0.4 | 0.3 | 0.0 | 0.0 | 33.4 |
| Henshaw Creek (weir trap) | 289 | 0.0 | 15.1 | 0.0 | 49.0 | 0.0 | 35.5 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 42.0 |
| Salcha River (carcass) | 420 | 0.2 | 6.0 | 0.0 | 32.9 | 0.0 | 59.3 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 59.8 |
| Acoustic Tagging | | | | | | | | | | | | | |
| Pilot Station (5.25" to 8.5" mesh drift gillnet) | 150 | 0.0 | 0.0 | 0.0 | 34.7 | 0.0 | 60.7 | 0.7 | 2.0 | 2.0 | 0.0 | 0.0 | 64.0 |
| Genetic Sampling | | | | | | | | | | | | | |
| Nulato River (hook and line, dip net, carcass) | 50 | 0.0 | 6.0 | 0.0 | 62.0 | 0.0 | 32.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.0 |
| Total Chinook | 6,410 | | | | | | | | | | | | |

[a] Incidental harvest from the summer chum salmon commercial fishery.

[b] Only sampled fish from Periods 1, 2, and 3. Not representative of harvest.

[c] Project only collected sex and length data.

[d] Only males were harvested in the sport fishery.

Table 3.–Chinook salmon age and female percentages from the Lower Yukon River test fishery (combined Big Eddy and Middle Mouth sites) 8.5 in mesh set gillnet, 1985–2012.

| | | | Percent (%) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Age | | | | | | |
| Year | Sample Size | Number of Days | 3 yr (1.1) | 4 yr (1.2, 2.1) | 5 yr (1.3, 2.2) | 6 yr (1.4, 2.3) | 7 yr (1.5, 2.4) | 8 yr (1.6, 2.5) | Female |
| 1985 | 309 | 18 | 0.0 | 3.9 | 8.4 | 79.3 | 8.1 | 0.3 | 53.7 |
| 1986 | 533 | 25 | 0.3 | 0.9 | 22.7 | 52.9 | 23.1 | 0.2 | 46.3 |
| 1987 | 465 | 20 | 0.3 | 0.9 | 3.0 | 78.5 | 17.0 | 0.4 | 62.8 |
| 1988 | 262 | 30 | 0.0 | 2.3 | 15.3 | 43.9 | 37.8 | 0.8 | 56.1 |
| 1989 | 381 | 29 | 0.0 | 0.8 | 17.8 | 67.2 | 13.9 | 0.5 | 53.0 |
| 1990 | 227 | 23 | 0.0 | 3.5 | 11.0 | 76.7 | 8.8 | 0.0 | 56.4 |
| 1991 | 356 | 27 | 0.0 | 1.4 | 42.1 | 48.9 | 7.0 | 0.6 | 49.2 |
| 1992 | 359 | 19 | 0.0 | 1.1 | 10.6 | 82.7 | 5.0 | 0.6 | 56.5 |
| 1993 | 472 | 25 | 0.0 | 0.8 | 25.8 | 63.8 | 9.3 | 0.2 | 50.8 |
| 1994 | 653 | 41 | 0.2 | 1.4 | 41.3 | 51.8 | 5.5 | 0.0 | 47.3 |
| 1995 | 445 | 19 | 0.0 | 0.9 | 11.2 | 81.6 | 6.3 | 0.0 | 50.8 |
| 1996 | 355 | 13 | 0.0 | 1.1 | 61.4 | 21.4 | 16.3 | 0.0 | 53.0 |
| 1997 | 302 | 12 | 0.0 | 1.7 | 9.6 | 86.4 | 2.6 | 0.0 | 51.3 |
| 1998 | 928 | 39 | 0.0 | 1.3 | 43.4 | 45.3 | 9.9 | 0.1 | 50.2 |
| 1999 | 942 | 35 | 0.0 | 0.7 | 9.1 | 87.0 | 3.1 | 0.0 | 61.4 |
| 2000 | 950 | 42 | 0.2 | 0.7 | 19.2 | 71.1 | 9.1 | 0.0 | 53.4 |
| 2001 | 1,020 | 37 | 0.0 | 0.5 | 11.0 | 80.6 | 8.0 | 0.0 | 56.9 |
| 2002 | 1,050 | 43 | 0.0 | 2.5 | 20.5 | 64.9 | 12.1 | 0.0 | 52.2 |
| 2003 | 1,400 | 50 | 0.0 | 0.6 | 24.1 | 68.0 | 7.3 | 0.1 | 52.5 |
| 2004 | 865 | 48 | 0.1 | 4.3 | 18.5 | 74.5 | 2.7 | 0.0 | 58.2 |
| 2005 | 994 | 43 | 0.0 | 1.5 | 40.9 | 55.0 | 2.5 | 0.0 | 48.9 |
| 2006 | 987 | 38 | 0.0 | 2.2 | 50.6 | 45.0 | 2.2 | 0.0 | 48.5 |
| 2007 | 1,030 | 42 | 0.0 | 4.7 | 14.4 | 80.2 | 0.8 | 0.0 | 52.5 |
| 2008 | 1,271 | 43 | 0.0 | 1.2 | 44.4 | 51.0 | 3.5 | 0.0 | 46.3 |
| 2009 | 1,035 | 42 | 0.0 | 3.4 | 9.1 | 85.5 | 2.0 | 0.0 | 60.3 |
| 2010 | 1,328 | 37 | 0.2 | 4.1 | 59.6 | 33.6 | 2.6 | 0.0 | 47.8 |
| 2011 | 998 | 42 | 0.0 | 1.4 | 31.7 | 62.8 | 4.0 | 0.1 | 52.4 |
| 2012 | 807 | 34 | 0.0 | 1.2 | 29.9 | 66.7 | 2.2 | 0.0 | 62.6 |
| Average [a] (1994, 1998-2011) | 1,030 | 41 | 0.0 | 2.0 | 29.2 | 63.7 | 5.0 | 0.0 | 52.6 |
| 5 yr Average (2008-2011) | 1,132 | 41 | 0.0 | 2.9 | 31.8 | 62.6 | 2.6 | 0.0 | 51.9 |

*Note*: The Lower Yukon River test fishery was conducted from the end of May through July 15. Before 1998, this test fishery was often discontinuous or was not conducted throughout the season. The "Number of Days" refers only to those days that scale samples were collected from Chinook salmon and aged.

[a] The averages only include years when samples were collected throughout the season and years with a 35 day season minimum. Averages were not weighted by number of fish sampled each year.

Table 4.–Yukon River Chinook salmon age and female percentages, from selected escapement projects, 1985–2012.

| | | | Percent (%) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Age | | | | | | |
| Project | Year | Sample Size | 3 yr (1.1) | 4 yr (1.2, 2.1) | 5 yr (1.3, 2.2) | 6 yr (1.4, 2.3) | 7 yr (1.5, 2.4) | 8 yr (1.6, 2.5) | Female |
| Andreafsky River, | 1985 [a] | 445 | 0.0 | 39.6 | 12.8 | 43.6 | 4.0 | 0.0 | 33.2 |
| East Fork | 1986 [b] | 275 | 0.0 | 2.2 | 69.8 | 21.8 | 6.2 | 0.0 | 23.3 |
| | 1987 [b] | 383 | 0.3 | 4.7 | 8.9 | 83.7 | 2.4 | 0.0 | 56.1 |
| | 1988 [b] | 403 | 0.2 | 27.8 | 29.5 | 26.8 | 15.6 | 0.0 | 38.7 |
| | 1989 | 227 | 0.0 | 5.3 | 71.8 | 21.2 | 1.7 | 0.0 | 13.6 |
| | 1990 | 583 | 0.6 | 31.8 | 28.7 | 37.9 | 0.9 | 0.0 | 41.6 |
| | 1991 | 424 | 0.0 | 10.3 | 56.9 | 30.5 | 2.3 | 0.0 | 33.9 |
| | 1992 | 367 | 0.0 | 23.1 | 48.1 | 25.0 | 3.8 | 0.0 | 21.2 |
| | 1993 | 406 | 0.4 | 16.9 | 38.7 | 41.8 | 2.3 | 0.0 | 29.9 |
| | 1994 [c] | 440 | 0.0 | 8.0 | 53.0 | 34.5 | 4.3 | 0.2 | 35.5 |
| | 1995 [c] | 340 | 0.0 | 35.0 | 15.7 | 47.5 | 1.7 | 0.0 | 43.7 |
| | 1996 [c] | 332 | 1.2 | 6.6 | 74.1 | 13.9 | 4.2 | 0.0 | 41.9 |
| | 1997 [c] | 410 | 0.0 | 52.7 | 15.6 | 31.7 | 0.0 | 0.0 | 36.8 |
| | 1998 [c] | 370 | 0.0 | 16.8 | 71.4 | 11.1 | 0.8 | 0.0 | 29.0 |
| | 1999 [c] | 357 | 0.3 | 34.5 | 32.2 | 32.5 | 0.6 | 0.0 | 28.6 |
| | 2000 [c] | 175 | 0.0 | 12.6 | 49.1 | 38.3 | 0.0 | 0.0 | 54.3 |
| | 2001 [c, d] | 124 | 0.0 | 14.5 | 18.5 | 64.5 | 2.4 | 0.0 | 63.7 |
| | 2002 [c] | 436 | 0.0 | 30.5 | 48.2 | 20.0 | 1.4 | 0.0 | 21.1 |
| | 2003 [c] | 510 | 0.5 | 16.0 | 51.9 | 30.7 | 0.8 | 0.0 | 46.2 |
| | 2004 [c] | 508 | 0.0 | 39.9 | 42.6 | 17.1 | 0.4 | 0.0 | 37.3 |
| | 2005 [c] | 389 | 0.0 | 15.0 | 64.3 | 20.2 | 0.5 | 0.0 | 50.2 |
| | 2006 [c] | 454 | 0.0 | 17.0 | 54.9 | 28.1 | 0.0 | 0.0 | 42.6 |
| | 2007 [c, e] | 631 | 0.0 | 41.7 | 25.7 | 32.0 | 0.6 | 0.0 | – |
| | 2008 [c] | 466 | 0.0 | 3.8 | 74.5 | 20.1 | 1.5 | 0.0 | 34.8 |
| | 2009 [c] | 2,312 | 0.1 | 25.0 | 15.5 | 58.7 | 0.5 | 0.0 | 46.0 |
| | 2010 [c] | 624 | 0.3 | 41.3 | 46.8 | 10.5 | 1.0 | 0.1 | 48.6 |
| | 2011 [c] | 542 | 0.0 | 45.6 | 39.6 | 14.6 | 0.2 | 0.0 | 19.9 |
| | 2012 [c] | 572 | 0.2 | 11.1 | 64.6 | 23.7 | 0.3 | 0.0 | 28.2 |
| Average [f] | (1985–2011) | | 0.1 | 23.2 | 43.9 | 30.5 | 2.2 | 0.0 | 36.3 |
| 5 yr Average [f] | (2007–2011) | | 0.1 | 31.5 | 40.4 | 27.2 | 0.8 | 0.0 | 37.3 |

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Table 4.–Page 2 of 4.

| Project | Year | Sample Size | Percent (%) Age 3 yr (1.1) | 4 yr (1.2, 2.1) | 5 yr (1.3, 2.2) | 6 yr (1.4, 2.3) | 7 yr (1.5, 2.4) | 8 yr (1.6, 2.5) | Female |
|---|---|---|---|---|---|---|---|---|---|
| Anvik | 1985 [a,g] | 33 | 0.0 | 30.3 | 39.4 | 30.3 | 0.0 | 0.0 | 24.2 |
| River | 1986 [a] | 142 | 0.0 | 0.7 | 50.0 | 38.0 | 11.3 | 0.0 | 67.2 |
| | 1987 [a] | 238 | 0.0 | 9.5 | 13.1 | 73.9 | 3.7 | 0.0 | 58.7 |
| | 1988 [a] | 246 | 0.0 | 30.5 | 38.2 | 27.2 | 4.1 | 0.0 | 29.7 |
| | 1989 [a] | 381 | 0.3 | 4.2 | 49.1 | 43.5 | 2.9 | 0.0 | 40.7 |
| | 1990 [a] | 407 | 0.3 | 26.3 | 26.0 | 43.8 | 3.8 | 0.0 | 37.0 |
| | 1991 [a] | 378 | 0.0 | 10.3 | 55.0 | 31.7 | 2.9 | 0.0 | 41.0 |
| | 1992 [a] | 315 | 0.0 | 9.5 | 38.1 | 50.8 | 1.6 | 0.0 | 41.3 |
| | 1993 [a] | 340 | 0.0 | 13.8 | 38.5 | 45.6 | 2.1 | 0.0 | 42.1 |
| | 1994 [a] | 405 | 0.0 | 3.0 | 51.9 | 39.8 | 5.4 | 0.0 | 42.0 |
| | 1995 [a] | 315 | 0.0 | 9.5 | 38.1 | 50.8 | 1.6 | 0.0 | 41.3 |
| | 1996 [a] | 262 | 0.0 | 9.9 | 55.4 | 24.4 | 9.9 | 0.4 | 35.1 |
| | 1997 [a] | 304 | 0.0 | 25.0 | 30.6 | 44.1 | 0.3 | 0.0 | 36.8 |
| | 1998 [a] | 327 | 0.3 | 14.7 | 59.9 | 23.9 | 1.2 | 0.0 | 32.7 |
| | 1999 [a] | 343 | 0.0 | 9.3 | 42.5 | 48.1 | 0.0 | 0.0 | 37.9 |
| | 2000 [a] | 203 | 0.0 | 4.9 | 41.9 | 52.7 | 0.5 | 0.0 | 40.9 |
| | 2001 [a] | 332 | 0.0 | 11.1 | 30.1 | 53.0 | 5.7 | 0.0 | 38.3 |
| | 2002 [a] | 313 | 0.0 | 19.5 | 43.1 | 34.2 | 3.2 | 0.0 | 28.8 |
| | 2003 [a] | 428 | 0.2 | 8.9 | 54.7 | 33.2 | 3.0 | 0.0 | 37.6 |
| | 2004 [a] | 332 | 0.6 | 32.2 | 40.7 | 25.6 | 0.9 | 0.0 | 27.6 |
| | 2005 [a] | 227 | 0.0 | 8.8 | 61.2 | 27.7 | 2.2 | 0.0 | 51.1 |
| | 2006 [a] | 169 | 0.0 | 10.7 | 47.9 | 41.4 | 0.0 | 0.0 | 43.2 |
| | 2007 [a,h] | – | – | – | – | – | – | – | – |
| | 2008 [a] | 223 | 0.0 | 7.6 | 69.5 | 22.0 | 0.9 | 0.0 | 18.8 |
| | 2009 [a] | 220 | 0.0 | 17.3 | 16.4 | 65.0 | 1.4 | 0.0 | 52.3 |
| | 2010 [a] | 90 | 14.3 | 42.9 | 28.6 | 14.3 | 0.0 | 0.0 | 28.6 |
| | 2011 [a] | 236 | 0.0 | 16.9 | 56.8 | 25.8 | 0.4 | 0.0 | 25.8 |
| | 2012 [a] | 229 | 0.0 | 14.8 | 51.5 | 33.2 | 0.4 | 0.0 | 32.3 |
| Average [f] | (1985–2011) | | 0.6 | 14.3 | 43.1 | 39.2 | 2.8 | 0.0 | 39.1 |
| 5 yr Average [f] | (2006, 2008–2011) | | 2.9 | 19.1 | 43.8 | 33.7 | 0.5 | 0.0 | 33.7 |

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Table 4.–Page 3 of 4.

| Project | Year | Sample Size | Percent (%) Age 3 yr (1.1) | 4 yr (1.2, 2.1) | 5 yr (1.3, 2.2) | 6 yr (1.4, 2.3) | 7 yr (1.5, 2.4) | 8 yr (1.6, 2.5) | Female |
|---|---|---|---|---|---|---|---|---|---|
| Chena River | 1985 [i] | 513 | 0.0 | 12.1 | 21.7 | 59.2 | 7.0 | 0.0 | 52.5 |
| | 1986 [i] | 729 | 0.1 | 9.3 | 51.2 | 29.9 | 9.3 | 0.1 | 25.4 |
| | 1987 [i] | 560 | 0.0 | 2.9 | 13.1 | 75.6 | 8.4 | 0.0 | 58.0 |
| | 1988 [i] | 468 | 0.6 | 10.5 | 17.5 | 46.4 | 24.6 | 0.4 | 60.9 |
| | 1989 [i] | 288 | 0.3 | 4.2 | 30.2 | 54.9 | 10.4 | 0.0 | 64.9 |
| | 1990 [i] | 522 | 0.0 | 23.8 | 25.7 | 46.7 | 3.8 | 0.0 | 46.2 |
| | 1991 [i] | 337 | 0.0 | 8.3 | 55.8 | 28.5 | 7.4 | 0.0 | 31.5 |
| | 1992 [i] | 464 | 1.9 | 40.7 | 16.4 | 40.5 | 0.4 | 0.0 | 37.7 |
| | 1993 [b] | 187 | 0.5 | 29.4 | 41.2 | 27.8 | 1.1 | 0.0 | 16.6 |
| | 1994 [b] | 512 | 0.0 | 2.9 | 43.6 | 51.2 | 2.3 | 0.0 | 45.1 |
| | 1995 [b] | 464 | 0.0 | 4.4 | 20.9 | 70.9 | 3.8 | 0.0 | 66.0 |
| | 1996 [b] | 514 | 2.1 | 6.2 | 44.2 | 23.5 | 23.9 | 0.0 | 44.0 |
| | 1997 [b] | 702 | 0.3 | 37.2 | 13.4 | 48.0 | 1.1 | 0.0 | 39.6 |
| | 1998 [b] | 228 | 0.0 | 4.4 | 72.4 | 18.4 | 4.8 | 0.0 | 41.2 |
| | 1999 [b] | 318 | 0.9 | 7.9 | 25.2 | 65.4 | 0.6 | 0.0 | 58.8 |
| | 2000 [b] | 149 | 0.0 | 20.1 | 35.6 | 35.6 | 8.7 | 0.0 | 34.9 |
| | 2001 [b] | 521 | 0.6 | 9.6 | 33.6 | 51.2 | 5.0 | 0.0 | 44.0 |
| | 2002 [b] | 373 | 0.1 | 29.0 | 29.8 | 38.5 | 2.7 | 0.0 | 31.7 |
| | 2003 [b] | 370 | 0.0 | 5.1 | 46.5 | 41.6 | 6.8 | 0.0 | 44.9 |
| | 2004 [b] | 158 | 0.0 | 8.9 | 17.7 | 71.5 | 1.9 | 0.0 | 66.5 |
| | 2005 [b] | 553 | 0.0 | 6.5 | 49.9 | 39.5 | 4.1 | 0.0 | 42.4 |
| | 2006 [b] | 362 | 0.0 | 12.7 | 45.6 | 40.6 | 1.1 | 0.0 | 45.9 |
| | 2007 [b, g] | 53 | – | – | – | – | – | – | – |
| | 2008 [b, g] | 36 | 0.0 | 27.8 | 61.1 | 11.1 | 0.0 | 0.0 | 44.4 |
| | 2009 [b] | 442 | 0.0 | 14.5 | 17.0 | 67.8 | 0.7 | 0.0 | 55.1 |
| | 2010 [b] | 80 | 0.0 | 13.6 | 51.9 | 32.1 | 2.5 | 0.0 | 30.9 |
| | 2011 [b] | 425 | 0.2 | 22.6 | 46.8 | 28.7 | 1.6 | 0.0 | 31.8 |
| | 2012 [b] | 198 | 0.5 | 5.1 | 45.5 | 49.0 | 0.0 | 0.0 | 55.6 |
| Average [f] (1985–2011) | | | 0.3 | 13.9 | 34.7 | 45.4 | 5.8 | 0.0 | 44.7 |
| 5 yr Average [f] (2005–2006, 2009–2011) | | | 0.0 | 14.0 | 42.2 | 41.7 | 2.0 | 0.0 | 41.2 |

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Table 4.–Page 4 of 4.

| Project | Year | Sample Size | Percent (%) Age 3 yr (1.1) | 4 yr (1.2, 2.1) | 5 yr (1.3, 2.2) | 6 yr (1.4, 2.3) | 7 yr (1.5, 2.4) | 8 yr (1.6, 2.5) | Female |
|---|---|---|---|---|---|---|---|---|---|
| Salcha River | 1985 [i] | 511 | 0.0 | 12.3 | 17.6 | 64.8 | 5.3 | 0.0 | 48.5 |
| | 1986 [i] | 586 | 0.2 | 11.8 | 43.7 | 29.5 | 14.8 | 0.0 | 35.8 |
| | 1987 [i] | 551 | 0.2 | 6.0 | 12.6 | 73.5 | 7.8 | 0.0 | 62.8 |
| | 1988 [i] | 497 | 0.4 | 20.3 | 22.5 | 42.1 | 14.7 | 0.0 | 39.6 |
| | 1989 [i] | 222 | 0.5 | 4.1 | 28.9 | 57.8 | 8.8 | 0.0 | 62.2 |
| | 1990 [i] | 498 | 0.2 | 17.6 | 24.9 | 48.9 | 8.3 | 0.0 | 48.9 |
| | 1991 [i] | 515 | 0.2 | 8.2 | 44.3 | 41.4 | 5.8 | 0.2 | 47.2 |
| | 1992 [i] | 646 | 1.2 | 30.8 | 28.6 | 38.2 | 1.1 | 0.0 | 34.4 |
| | 1993 [b] | 453 | 0.9 | 28.0 | 39.1 | 31.1 | 0.9 | 0.0 | 27.6 |
| | 1994 [b] | 524 | 0.6 | 2.7 | 39.1 | 52.9 | 4.8 | 0.0 | 44.5 |
| | 1995 [b] | 646 | 0.0 | 13.6 | 20.6 | 62.8 | 3.1 | 0.0 | 56.0 |
| | 1996 [b] | 406 | 2.7 | 6.2 | 38.4 | 28.6 | 24.1 | 0.0 | 50.8 |
| | 1997 [b] | 180 | 0.0 | 14.4 | 14.4 | 69.4 | 1.7 | 0.0 | 50.0 |
| | 1998 [b] | 352 | 2.4 | 4.9 | 72.4 | 17.9 | 2.4 | 0.0 | 30.0 |
| | 1999 [b] | 307 | 0.0 | 9.1 | 24.1 | 66.4 | 0.3 | 0.0 | 54.7 |
| | 2000 [b, g] | 41 | 0.0 | 22.0 | 48.8 | 24.4 | 4.9 | 0.0 | 43.9 |
| | 2001 [b] | 192 | 0.5 | 10.4 | 33.9 | 52.1 | 3.1 | 0.0 | 37.5 |
| | 2002 [b] | 282 | 0.0 | 36.2 | 13.8 | 38.7 | 11.3 | 0.0 | 34.8 |
| | 2003 [b] | 151 | 0.7 | 7.3 | 42.4 | 42.4 | 7.3 | 0.0 | 42.4 |
| | 2004 [b] | 229 | 0.0 | 9.2 | 8.3 | 81.7 | 0.9 | 0.0 | 62.9 |
| | 2005 [b] | 602 | 0.0 | 9.3 | 41.5 | 46.2 | 3.0 | 0.0 | 54.3 |
| | 2006 [b] | 509 | 0.0 | 5.7 | 49.3 | 43.0 | 2.0 | 0.0 | 43.4 |
| | 2007 [b] | 308 | 0.0 | 22.4 | 26.9 | 50.3 | 0.3 | 0.0 | 35.7 |
| | 2008 [b] | 303 | 0.7 | 9.9 | 51.8 | 36.0 | 1.7 | 0.0 | 39.3 |
| | 2009 [b] | 458 | 0.0 | 31.7 | 21.4 | 46.7 | 0.2 | 0.0 | 39.1 |
| | 2010 [b] | 410 | 0.5 | 25.5 | 58.0 | 14.8 | 1.2 | 0.0 | 30.3 |
| | 2011 [b] | 527 | 0.2 | 14.6 | 35.5 | 48.2 | 1.5 | 0.0 | 42.1 |
| | 2012 [b] | 420 | 0.2 | 6.0 | 32.9 | 59.3 | 1.7 | 0.0 | 59.8 |
| Average [f] (1985–2011) | | | 0.5 | 14.3 | 32.9 | 47.1 | 5.2 | 0.0 | 44.4 |
| 5 yr Average [f] (2007–2011) | | | 0.3 | 20.8 | 38.7 | 39.2 | 1.0 | 0.0 | 37.3 |

[a] Project was operated as sonar.

[b] Project was operated as a counting tower.

[c] Project was operated as weir.

[d] Sampling dates may not represent run, 2001 E.F. Andreafsky River is not included in average.

[e] Percent female data not available.

[f] Averages were not weighted by number of fish sampled each year.

[g] Small sample size, not included in average.

[h] Chinook salmon samples were not collected.

[i] Samples were from mark–recapture project.

Table 5.–Yukon River Chinook salmon mean length (mm) by sex, project, gear and age, 2012.

| | | | Brood Year (Age) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Project | Project Type | 2009 | 2008 | | 2007 | | 2006 | | 2005 | | 2004 | |
| Sex | Location | and (Gear) | (1.1) | (1.2) | (2.1) | (1.3) | (2.2) | (1.4) | (2.3) | (1.5) | (2.4) | (1.6) | (2.5) |
| Male | District 1 [a] | Com ( ≤6" GN) | – | 568 | – | 684 | 557 | 802 | 637 | – | – | – | – |
| | District 2 [a, b] | Com ( ≤6" GN) | – | 551 | – | 735 | – | – | – | – | – | – | – |
| | District 1, Alakanuk | Sub (DGN, SGN) | – | 568 | – | 681 | – | 768 | 664 | 910 | – | – | – |
| | District 1, Kotlik | Sub (DGN, SGN) | – | – | – | 691 | – | 792 | – | – | – | – | – |
| | District 1, Emmonak | Sub (DGN, SGN) | – | 596 | – | 677 | – | 777 | – | – | 810 | – | – |
| | District 2, Mountain Village | Sub (DGN) | – | – | – | 711 | – | 798 | – | – | – | – | – |
| | District 2, St. Mary's | Sub (DGN) | – | 548 | – | 716 | 633 | 807 | 680 | 1000 | – | – | – |
| | District 2, Marshall | Sub (DGN) | – | 571 | – | 701 | – | 800 | 695 | – | 727 | – | – |
| | Subdistrict 4–A, Anvik | Sub (DGN,SGN) | – | 558 | – | 704 | – | 809 | 705 | – | – | – | – |
| | Subdistrict 4–A, Kaltag | Sub (7.5" DGN) | – | 552 | – | 724 | – | 853 | – | – | – | – | – |
| | Subdistricts 4–B, 4–C Galena | Sub (SGN) | – | – | – | 708 | – | 830 | – | – | – | – | – |
| | Subdistrics 4–B, 4–C Ruby | Sub (7.5" SGN) | – | 611 | – | 694 | – | 797 | – | – | 730 | – | – |
| | Subdistrict 5–D, Fort Yukon | Sub (FW) | 370 | 546 | – | 703 | 660 | 823 | 690 | – | 720 | – | – |
| | Big Eddy | TF (8.25" DGN) | – | 571 | – | 716 | 569 | 815 | – | – | 818 | – | – |
| | Big Eddy | TF (8.5" SGN) | – | 573 | – | 745 | – | 823 | – | 822 | – | – | – |
| | Middle Mouth | TF (8.5" SGN) | – | 534 | – | 765 | – | 810 | – | 947 | 830 | – | – |
| | Mountain Village | TF (7.5" DGN) | – | 584 | – | 720 | 607 | 809 | – | 984 | 824 | – | – |
| | Pilot Station | TF (DGN) | 364 | 569 | – | 702 | – | 812 | 609 | 890 | 804 | – | – |
| | Eagle Sonar | TF (DGN) | 313 | 583 | – | 701 | 612 | 832 | 697 | – | 793 | – | – |
| | Andreafsky, E.F. | Esc (WR) | 355 | 541 | – | 672 | – | 799 | – | – | – | – | – |
| | Anvik | Esc (CR) | – | 561 | – | 685 | – | 794 | – | – | – | – | – |
| | Anvik [c] | Esc (HL) | – | 541 | – | 713 | – | 755 | – | – | – | – | – |
| | Chena | Esc (CR) | 340 | 538 | – | 707 | – | 815 | – | – | – | – | – |
| | Gisasa | Esc (WR) | – | 538 | – | 687 | 500 | 786 | – | – | – | – | – |
| | Henshaw | Esc (WR) | – | 557 | – | 699 | – | 807 | – | – | – | – | – |
| | Salcha | Esc (CR) | 366 | 569 | – | 711 | – | 822 | – | – | – | – | – |
| | Pilot Station | Tag (DGN) | – | – | – | 734 | – | 822 | 727 | – | – | – | – |
| | Nulato | GS (HL, DP, CR) | – | 576 | – | 699 | – | 806 | – | – | – | – | – |
| | | Average Male Mean Length [d] | 351 | 563 | – | 707 | 591 | 806 | 678 | 926 | 784 | – | – |
| | | SE [d] | 9 | 4 | – | 4 | 20 | 4 | 12 | 27 | 15 | – | – |

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Table 5.–Page 2 of 2.

| Sex | Project Location | Project Type and (Gear) | Brood Year (Age) 2009 (1.1) | 2008 (1.2) | 2008 (2.1) | 2007 (1.3) | 2007 (2.2) | 2006 (1.4) | 2006 (2.3) | 2005 (1.5) | 2005 (2.4) | 2004 (1.6) | 2004 (2.5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Female | District 1 [a] | Com ( ≤6" GN) | – | 534 | – | 760 | – | 832 | – | 866 | 765 | – | – |
| | District 2 [a, b] | Com ( ≤6" GN) | – | – | – | 725 | – | 800 | – | – | – | – | – |
| | District 1, Alakanuk | Sub (DGN, SGN) | – | – | – | 850 | – | 834 | – | – | – | – | – |
| | District 1, Kotlik | Sub (DGN, SGN) | – | – | – | 770 | – | 806 | – | – | – | – | – |
| | District 1, Emmonak | Sub (DGN, SGN) | – | – | – | 754 | – | 833 | – | – | – | – | – |
| | District 2, Mountain Village | Sub (DGN) | – | – | – | 796 | – | 833 | – | 859 | – | – | – |
| | District 2, St. Mary's | Sub (DGN) | – | – | – | 771 | – | 830 | – | 828 | – | – | – |
| | District 2, Marshall | Sub (DGN) | – | – | – | 800 | – | 840 | – | 903 | – | – | – |
| | Subdistrict 4–A, Anvik | Sub (DGN,SGN) | – | – | – | 738 | – | 862 | 760 | – | – | – | – |
| | Subdistrict 4–A, Kaltag | Sub (7.5" DGN) | – | – | – | – | – | 839 | – | – | – | – | – |
| | Subdistricts4–B, 4–C Galena | Sub (SGN) | – | – | – | 740 | – | 833 | – | – | – | – | – |
| | Subdistrics 4–B, 4–C Ruby | Sub (7.5" SGN) | – | – | – | 750 | – | 813 | – | – | – | – | – |
| | Subdistrict 5–D, Fort Yukon | Sub (FW) | – | 640 | – | 700 | – | 850 | – | 900 | 950 | – | – |
| | Big Eddy | TF (8.25" DGN) | – | – | – | 791 | – | 833 | – | – | 816 | – | – |
| | Big Eddy | TF (8.5" SGN) | – | – | – | 794 | – | 842 | – | 887 | 779 | – | – |
| | Middle Mouth | TF (8.5" SGN) | – | – | – | 799 | – | 840 | – | 924 | 849 | – | – |
| | Mountain Village | TF (7.5" DGN) | – | – | – | 780 | – | 836 | – | 913 | 809 | – | 864 |
| | Pilot Station | TF (DGN) | – | – | – | 762 | – | 825 | 747 | 855 | 797 | – | – |
| | Eagle Sonar | TF (DGN) | – | – | – | 770 | – | 838 | – | 929 | 830 | – | – |
| | Andreafsky, E.F. | Esc (WR) | – | 610 | – | 735 | – | 811 | – | 851 | – | – | – |
| | Anvik | Esc (CR) | – | – | – | 775 | – | 828 | – | – | 799 | – | – |
| | Chena | Esc (CR) | – | – | – | 741 | – | 820 | – | – | – | – | – |
| | Gisasa | Esc (WR) | – | 573 | – | 688 | – | 826 | – | 784 | 760 | – | – |
| | Henshaw | Esc (WR) | – | 558 | – | 744 | – | 830 | – | 915 | – | – | – |
| | Salcha | Esc (CR) | – | – | – | 766 | – | 832 | – | 890 | – | – | – |
| | Pilot Station | Tag (DGN) | – | – | – | 734 | – | 833 | – | 890 | 795 | – | – |
| | Nulato | GS (HL, DP, CR) | – | – | – | 756 | – | 829 | – | – | – | – | – |
| | | Average Female Mean Length [d] | – | 583 | – | 761 | – | 831 | 754 | 880 | 814 | – | 864 |
| | | SE [d] | – | 19 | – | 7 | – | 2 | 7 | 10 | 16 | – | – |

*Note*: Com is commercial, Sub is subsistence, TF is test fishery, Esc is escapement, Tag is acoustic tagging, GS is genetics sampling, GN is gillnet preceded by mesh size, SGN is set gillnet, DGN is drift gillnet, FW is fish wheel, WR is weir, CR is carcass, HL is hook and line, and DP is dip net.

[a] Incidental harvest from the summer chum salmon commercial fishery.

[b] Only fish from Periods 1, 2, and 3 were sampled. Not representative of entire harvest.

[c] Only males were harvested by hook and line in the sport fishery.

[d] Calculated from the actual number of fish sampled at all projects combined.

Table 6.–Yukon River chum salmon age and female percentages, from commercial, subsistence, test fishery, and escapement projects, 2012.

| Project Type<br>Location and (gear) | Sample Size | Percent (%)<br>Brood Year (Age)<br>2009 (0.2) | 2008 (0.3) | 2007 (0.4) | 2006 (0.5) | 2005 (0.6) | Female |
|---|---|---|---|---|---|---|---|
| Commercial - Summer Chum | | | | | | | |
| District 1 (≤ 6" gillnet) | 787 | 0.0 | 72.2 | 22.4 | 5.4 | 0.0 | 47.6 |
| District 2 (≤ 6" gillnet) [a] | – | 0.1 | 70.8 | 23.8 | 5.3 | 0.0 | 49.2 |
| Subdistrict 4-A (fish wheel) [b] | 375 | 0.4 | 81.7 | 15.4 | 2.6 | 0.0 | 98.4 |
| District 6 (fish wheel) | 212 | 1.9 | 73.6 | 23.3 | 1.2 | 0.0 | 64.9 |
| Commercial Summer Chum Average [c] | | 0.6 | 74.6 | 21.2 | 3.6 | 0.0 | 65.0 |
| Commercial - Fall Chum | | | | | | | |
| District 1 (≤ 6" gillnet) | 1,021 | 0.5 | 79.8 | 17.5 | 2.2 | 0.0 | 54.7 |
| District 2 (≤ 7.5" gillnet) [a] | – | 0.9 | 81.7 | 15.5 | 2.0 | 0.0 | 52.8 |
| Subdistrict 4-A (fish wheel) [d] | 105 | 3.8 | 87.6 | 8.6 | 0.0 | 0.0 | 50.5 |
| Commercial Fall Chum Average [c] | | 1.7 | 83.0 | 13.9 | 1.4 | 0.0 | 52.7 |
| Subsistence - Fall Chum | | | | | | | |
| Subdistrict 5-C, Rampart (fish wheel) | 49 | 4.1 | 81.6 | 14.3 | 0.0 | 0.0 | 49.0 |
| Test Fishery - Summer Chum | | | | | | | |
| Dall Point (5.5" drift gillnet) | 431 | 0.0 | 61.5 | 32.0 | 6.5 | 0.0 | 38.3 |
| Big Eddy (5.5" drift gillnet) | 959 | 0.0 | 67.2 | 27.1 | 5.7 | 0.0 | 55.5 |
| Middle Mouth (5.5" drift gillnet) | 617 | 0.0 | 71.2 | 24.0 | 4.9 | 0.0 | 58.5 |
| Test Fishery Summer Chum Average [c] | | 0.0 | 66.6 | 27.7 | 5.7 | 0.0 | 50.8 |
| Test Fishery - Fall Chum | | | | | | | |
| Big Eddy (6.0" drift gillnet) | 595 | 0.8 | 73.1 | 23.0 | 3.0 | 0.0 | 55.5 |
| Middle Mouth (6.0" drift gillnet) | 600 | 1.3 | 81.2 | 14.7 | 2.8 | 0.0 | 55.8 |
| Mountain Village (5 ⅞" drift gillnet) | 149 | 0.0 | 75.8 | 21.5 | 2.7 | 0.0 | 52.3 |
| Eagle Sonar (5.25" and 7.5" mesh drift gillnet) | 473 | 1.1 | 69.8 | 28.3 | 0.8 | 0.0 | 44.0 |
| Test Fishery Fall Chum Average [c] | | 0.8 | 75.0 | 21.9 | 2.3 | 0.0 | 51.9 |

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Table 6.–Page 2 of 2.

| Project Type<br>Location and (gear) | Sample Size | Percent (%)<br>Brood Year (Age)<br>2009 (0.2) | 2008 (0.3) | 2007 (0.4) | 2006 (0.5) | 2005 (0.6) | Female |
|---|---|---|---|---|---|---|---|
| Escapement - Summer Chum | | | | | | | |
| Andreafsky River, East Fork (weir trap) | 606 | 0.6 | 69.1 | 26.3 | 4.0 | 0.0 | 47.6 |
| Anvik River (beach seine) | 422 | 0.7 | 66.6 | 29.3 | 3.4 | 0.0 | 55.8 |
| Gisasa River (weir trap) | 687 | 0.2 | 78.6 | 19.4 | 1.8 | 0.0 | 52.8 |
| Henshaw Creek (weir trap) | 478 | 0.9 | 84.1 | 13.3 | 1.8 | 0.0 | 52.3 |
| Salcha River (carcass) [e] | 159 | 1.3 | 64.2 | 29.6 | 5.0 | 0.0 | 65.4 |
| Escapement Summer Chum Average [c] | | 0.7 | 72.5 | 23.6 | 3.2 | 0.0 | 54.8 |
| Escapement - Fall Chum | | | | | | | |
| Delta River (carcass) [e] | 180 | 1.7 | 71.1 | 26.7 | 0.6 | 0.0 | 32.8 |
| Sheenjak River (beach seine) [e] | 180 | 0.0 | 56.7 | 38.9 | 4.4 | 0.0 | 53.3 |
| Toklat River (carcass) [e, f] | 180 | 2.0 | 79.3 | 18.0 | 0.7 | 0.0 | 65.0 |
| Escapement Fall Chum Average [c] | | 1.2 | 69.0 | 27.9 | 1.9 | 0.0 | 50.4 |
| Total Summer Chum | 5,733 | | | | | | |
| Total Fall Chum | 3,532 | | | | | | |

[a] Estimates based on District 1 harvest.

[b] Only females were bought during Periods 8 to 13.

[c] Averages were not weighted by sample sizes.

[d] Samples were only taken from fish harvested during Period 4. Not representative of entire harvest.

[e] Vertebrae were used for age determination.

[f] Age composition is based on 150 vertebrae samples. Female percentage is based on 180 fish sampled.

Table 7.–Yukon River summer and fall chum salmon commercial harvest, age and sex composition, by district, 2012.

| Season / District | Sample Size | | Brood Year (Age) 2009 (0.2) No. | % | 2008 (0.3) No. | % | 2007 (0.4) No. | % | 2006 (0.5) No. | % | 2005 (0.6) No. | % | Total No. | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Summer Chum Salmon | | | | | | | | | | | | | | |
| District 1 [a] | 787 | Male | 0 | 0.0 | 57,956 | 38.4 | 17,479 | 11.6 | 3,534 | 2.3 | 0 | 0.0 | 78,969 | 52.4 |
| | | Female | 69 | 0.0 | 50,872 | 33.7 | 16,350 | 10.8 | 4,541 | 3.0 | 0 | 0.0 | 71,831 | 47.6 |
| | | Total | 69 | 0.0 | 108,827 | 72.2 | 33,829 | 22.4 | 8,075 | 5.4 | 0 | 0.0 | 150,800 | 100.0 |
| District 2 [a, b] | – | Male | 0 | 0.0 | 20,659 | 36.2 | 6,741 | 11.8 | 1,595 | 2.8 | 0 | 0.0 | 28,996 | 50.8 |
| | | Female | 72 | 0.1 | 19,717 | 34.6 | 6,814 | 11.9 | 1,450 | 2.5 | 0 | 0.0 | 28,053 | 49.2 |
| | | Total | 72 | 0.1 | 40,376 | 70.8 | 13,555 | 23.8 | 3,045 | 5.3 | 0 | 0.0 | 57,049 | 100.0 |
| Subdistrict 4-A [c, d] | 375 | Male | 0 | 0.0 | 1,332 | 1.2 | 444 | 0.4 | 0 | 0.0 | 0 | 0.0 | 1,776 | 1.6 |
| | | Female | 386 | 0.4 | 87,069 | 80.5 | 16,225 | 15.0 | 2,767 | 2.6 | 0 | 0.0 | 106,446 | 98.4 |
| | | Total | 386 | 0.4 | 88,401 | 81.7 | 16,669 | 15.4 | 2,767 | 2.6 | 0 | 0.0 | 108,222 | 100.0 |
| District 6 [c] | 212 | Male | 0 | 0.0 | 926 | 26.4 | 294 | 8.4 | 9 | 0.3 | 0 | 0.0 | 1,230 | 35.1 |
| | | Female | 68 | 1.9 | 1,653 | 47.2 | 521 | 14.9 | 32 | 0.9 | 0 | 0.0 | 2,274 | 64.9 |
| | | Total | 68 | 1.9 | 2,579 | 73.6 | 816 | 23.3 | 41 | 1.2 | 0 | 0.0 | 3,504 | 100.0 |
| Fall Chum Salmon | | | | | | | | | | | | | | |
| District 1 [a] | 1,021 | Male | 217 | 0.2 | 51,039 | 36.5 | 10,472 | 7.5 | 1,599 | 1.1 | 0 | 0.0 | 63,327 | 45.3 |
| | | Female | 536 | 0.4 | 60,493 | 43.3 | 13,954 | 10.0 | 1,531 | 1.1 | 0 | 0.0 | 76,515 | 54.7 |
| | | Total | 753 | 0.5 | 111,533 | 79.8 | 24,426 | 17.5 | 3,130 | 2.2 | 0 | 0.0 | 139,842 | 100.0 |
| District 2 [b, e] | - | Male | 380 | 0.3 | 50,143 | 38.8 | 9,244 | 7.1 | 1,266 | 1.0 | 0 | 0.0 | 61,033 | 47.2 |
| | | Female | 760 | 0.6 | 55,462 | 42.9 | 10,763 | 8.3 | 1,266 | 1.0 | 0 | 0.0 | 68,251 | 52.8 |
| | | Total | 1,140 | 0.9 | 105,605 | 81.7 | 20,007 | 15.5 | 2,532 | 2.0 | 0 | 0.0 | 129,284 | 100.0 |
| Subdistrict 4-A [c] | 105 | Male | 11 | 2.9 | 149 | 40.0 | 25 | 6.7 | 0 | 0.0 | 0 | 0.0 | 184 | 49.5 |
| | | Female | 4 | 1.0 | 177 | 47.6 | 7 | 1.9 | 0 | 0.0 | 0 | 0.0 | 188 | 50.5 |
| | | Total | 15 | 3.9 | 326 | 87.6 | 32 | 8.6 | 0 | 0.0 | 0 | 0.0 | 372 | 100.0 |

[a] All commercial fishing periods were restricted to 6.0 in or smaller mesh gillnets.
[b] Age and sex composition based on estimates using District 1 commercial samples.
[c] Commercial fishing gear was fish wheels.
[d] Only females were bought during Periods 8-13.
[e] All commercial fishing periods were restricted to 7.5 in or smaller mesh gillnets.

Table 8.–Summer chum salmon age and female percentages from the Lower Yukon River test fishery (combined Big Eddy and Middle Mouth sites) 5.5 in mesh gillnet, 1985–2012.

| | | | Percent (%) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Age | | | | | |
| Year | Sample Size | Number of Days [a] | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | Female |
| 1985 | 954 | 19 | 0.0 | 62.4 | 37.1 | 0.5 | 0.0 | 51.6 |
| 1986 | 1,125 | 27 | 0.1 | 26.2 | 73.2 | 0.4 | 0.0 | 55.1 |
| 1987 | 1,169 | 34 | 0.6 | 48.8 | 43.7 | 6.8 | 0.0 | 56.8 |
| 1988 | 804 | 30 | 0.1 | 50.5 | 48.4 | 1.0 | 0.0 | 59.5 |
| 1989 | 1,074 | 29 | 0.0 | 39.9 | 59.5 | 0.6 | 0.0 | 62.2 |
| 1990 | 1,328 | 42 | 0.8 | 46.1 | 50.1 | 3.1 | 0.0 | 66.0 |
| 1991 | 1,495 | 41 | 0.0 | 45.4 | 53.6 | 0.9 | 0.0 | 55.2 |
| 1992 | 1,089 | 32 | 0.0 | 22.0 | 71.8 | 6.2 | 0.0 | 61.4 |
| 1993 | 1,757 | 46 | 0.1 | 38.2 | 57.4 | 4.4 | 0.0 | 50.4 |
| 1994 | 2,385 | 49 | 0.0 | 35.6 | 61.9 | 2.6 | 0.0 | 62.5 |
| 1995 | 1,839 | 38 | 0.5 | 40.2 | 53.2 | 6.1 | 0.0 | 56.2 |
| 1996 | 1,936 | 47 | 0.1 | 42.3 | 52.4 | 5.2 | 0.0 | 63.7 |
| 1997 | 1,947 | 46 | 0.0 | 24.1 | 71.5 | 4.4 | 0.0 | 61.0 |
| 1998 | 1,649 | 47 | 0.0 | 62.5 | 33.5 | 4.0 | 0.0 | 52.5 |
| 1999 | 1,227 | 33 | 1.1 | 48.1 | 47.4 | 3.4 | 0.0 | 50.0 |
| 2000 | 950 | 38 | 0.2 | 52.5 | 45.8 | 1.5 | 0.0 | 63.8 |
| 2001 | 724 | 33 | 0.0 | 25.0 | 73.8 | 1.2 | 0.0 | 64.6 |
| 2002 | 792 | 45 | 0.5 | 57.3 | 40.4 | 1.8 | 0.0 | 63.3 |
| 2003 | 822 | 42 | 0.4 | 78.7 | 18.7 | 2.2 | 0.0 | 54.4 |
| 2004 | 521 | 45 | 3.1 | 40.1 | 56.8 | 0.0 | 0.0 | 66.0 |
| 2005 | 754 | 32 | 0.1 | 89.8 | 9.9 | 0.1 | 0.0 | 54.5 |
| 2006 | 860 | 30 | 0.3 | 27.3 | 72.2 | 0.1 | 0.0 | 59.0 |
| 2007 [b] | 91 | 16 | 0.0 | 42.9 | 47.3 | 9.9 | 0.0 | 65.9 |
| 2008 [c] | 784 | 24 | 0.0 | 41.2 | 53.7 | 5.1 | 0.0 | 55.4 |
| 2009 | 1,042 | 33 | 1.2 | 48.8 | 47.9 | 1.8 | 0.2 | 54.3 |
| 2010 | 1,211 | 31 | 4.0 | 64.7 | 29.8 | 1.5 | 0.0 | 56.6 |
| 2011 | 1,493 | 41 | 0.1 | 44.1 | 55.5 | 0.4 | 0.0 | 63.2 |
| 2012 | 1,576 | 35 | 0.0 | 68.7 | 25.9 | 5.4 | 0.0 | 56.7 |
| Average [d] (1987-1988, 1990-2006, 2009-2012) | 1,277 | 39 | 0.6 | 47.9 | 48.8 | 2.8 | 0.0 | 58.8 |
| 5 yr average [d] (2006, 2009-2012) | 1,236 | 34 | 1.1 | 50.7 | 46.3 | 1.8 | 0.0 | 58.0 |

[a] The Lower Yukon River test fishery was conducted from the end of May through July 15. Prior to 1990 this project was often discontinuous within the season or was not conducted throughout the season. The "Number of Days" refers only to those days that scale samples were collected from summer chum salmon and aged.

[b] One set gillnet was operated at Big Eddy site only.

[c] Two drift gillnets were operated at Big Eddy and 1 drift gillnet was operated at Middle Mouth.

[d] The averages only include years when samples were collected throughout the season and years with a 30 day season minimum. Averages were not weighted by number of fish sampled each year.

Table 9.–Yukon River summer and fall chum salmon mean length (mm) by sex, project, gear, and age, 2012.

| Sex and Season | Project Location | Project Type and (Gear) | Brood Year (Age) 2009 (0.2) | 2008 (0.3) | 2007 (0.4) | 2006 (0.5) | 2005 (0.6) |
|---|---|---|---|---|---|---|---|
| Male Summer Chum | | | | | | | |
| | District 1 | Com (≤6" GN) | – | 563 | 580 | 575 | – |
| | Subdistrict 4–A [a] | Com (FW) | – | 563 | 600 | – | – |
| | District 6 | Com (FW) | – | 568 | 613 | 592 | – |
| | Dall Point | TF (5.5" DGN) | – | 565 | 592 | 591 | – |
| | Big Eddy | TF (5.5" DGN) | – | 559 | 588 | 582 | – |
| | Middle Mouth | TF (5.5" DGN) | – | 559 | 583 | 575 | – |
| | Andreafsky, E.F. River | Esc (WR) | 539 | 554 | 578 | 592 | – |
| | Anvik River | Esc (SN) | 540 | 577 | 594 | 605 | – |
| | Gisasa River | Esc (WR) | – | 562 | 582 | 595 | – |
| | Henshaw Creek | Esc (WR) | 503 | 560 | 575 | 588 | – |
| | Salcha River [b] | Esc (CR) | – | 547 | 590 | 634 | – |
| | | Male Summer Chum Average [c] | 527 | 562 | 589 | 593 | – |
| Female Summer Chum | | | | | | | |
| | District 1 | Com (≤6" GN) | 496 | 545 | 561 | 558 | – |
| | Subdistrict 4–A [a] | Com( FW) | 497 | 524 | 537 | 546 | – |
| | District 6 | Com (FW) | 508 | 544 | 563 | 557 | – |
| | Dall Point | TF (5.5" DGN) | – | 551 | 572 | 569 | – |
| | Big Eddy | TF (5.5" DGN) | – | 541 | 558 | 560 | – |
| | Middle Mouth | TF (5.5" DGN) | – | 544 | 565 | 576 | – |
| | Andreafsky, E.F. River | Esc (WR) | 479 | 520 | 541 | 553 | – |
| | Anvik River | Esc (SN) | 508 | 537 | 557 | 542 | – |
| | Gisasa River | Esc (WR) | 460 | 529 | 549 | 572 | – |
| | Henshaw Creek | Esc (WR) | 512 | 542 | 546 | 572 | – |
| | Salcha River [b] | Esc (CR) | 510 | 528 | 562 | 588 | – |
| | | Female Summer Chum Average [c] | 496 | 537 | 556 | 563 | – |

-continued-

Table 9.–Page 2 of 2.

| Sex and Season | Project Location | Project Type and (Gear) | Brood Year (Age) 2008 (0.2) | 2007 (0.3) | 2006 (0.4) | 2005 (0.5) | 2004 (0.6) |
|---|---|---|---|---|---|---|---|
| Male Fall Chum | | | | | | | |
| | District 1 | Com (≤6" GN) | 542 | 568 | 579 | 598 | – |
| | Subdistrict 4–A | Com (FW) | 569 | 592 | 604 | – | – |
| | Subdistrict 5–C | Sub (FW) | – | 596 | 610 | – | – |
| | Big Eddy | TF (6.0" DGN) | 546 | 577 | 604 | 609 | – |
| | Middle Mouth | TF (6.0" DGN) | 563 | 574 | 586 | 594 | – |
| | Mt. Village | TF (5 ⅞" DGN) | – | 571 | 601 | 617 | – |
| | Eagle Sonar | TF (DGN) | 552 | 594 | 609 | 632 | – |
| | Delta River [b] | Esc (CR) | 546 | 582 | 592 | 606 | – |
| | Sheenjek River [b] | Esc (SN) | – | 594 | 614 | 661 | – |
| | | Male Fall Chum Average [c] | 553 | 583 | 600 | 617 | – |
| Female Fall Chum | | | | | | | |
| | District 1 | Com (≤6" GN) | 536 | 557 | 565 | 569 | – |
| | Subdistricts 4–A | Com (FW) | 581 | 573 | 577 | – | – |
| | Subdistrict 5–C | Sub (FW) | 544 | 555 | 549 | – | – |
| | Big Eddy | TF (6.0" DGN) | 605 | 570 | 585 | 573 | – |
| | Middle Mouth | TF (6.0" DGN) | 567 | 571 | 581 | 567 | – |
| | Mt. Village | TF (5 ⅞" DGN) | – | 566 | 588 | 578 | – |
| | Eagle Sonar | TF (DGN) | 552 | 569 | 579 | – | – |
| | Delta River [b] | Esc (CR) | 542 | 556 | 568 | – | – |
| | Sheenjek River [b] | Esc (SN) | – | 573 | 604 | 619 | – |
| | | Female Fall Chum Average [c] | 561 | 566 | 577 | 581 | – |

*Note*: Com is commercial, Sub is subsistence, TF is test fishery, Esc is escapement, GN is gillnet preceded by mesh size, DGN is drift gillnet, FW is fish wheel, WR is weir, SN is seine net, and CR is carcass.

[a] Males only bought during Period 7.

[b] Ages were obtained from vertebrae.

[c] Average was not weighted by number of fish sampled in each project.

Table 10.–Yukon River fall chum salmon age and female percentages, from selected escapement projects, 1986–2012.

| | | | Percent (%) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Age | | | | | |
| Project | Year | Sample Size [a] | 3 yr (0.2) | 4 yr (0.3) | 5 yr (0.4) | 6 yr (0.5) | 7 yr (0.6) | Female [b] |
| Chandalar River | 1986 [c] | 75 | 0.0 | 65.0 | 35.0 | 0.0 | 0.0 | 32.0 |
| | 1987 [c] | 134 | 0.0 | 55.0 | 42.0 | 3.0 | 0.0 | 24.3 |
| | 1988 [d] | 73 | 1.0 | 44.0 | 54.0 | 1.0 | 0.0 | 26.0 |
| | 1989 [e] | 149 | 4.1 | 70.5 | 20.5 | 4.8 | 0.1 | 51.8 |
| | 1990 [f] | 153 | 0.7 | 56.2 | 39.2 | 3.9 | 0.0 | 66.9 |
| | 1991 [g] | – | – | – | – | – | – | – |
| | 1992 [g] | – | – | – | – | – | – | – |
| | 1993 [g] | – | – | – | – | – | – | – |
| | 1994 [g] | – | – | – | – | – | – | – |
| | 1995 [e, g] | – | – | – | – | – | – | 20.5 |
| | 1996 [e] | 144 | 2.1 | 36.6 | 53.5 | 7.8 | 0.0 | 32.8 |
| | 1997 [g] | – | – | – | – | – | – | – |
| | 1998 [g] | – | – | – | – | – | – | – |
| | 1999 [g] | – | – | – | – | – | – | – |
| | 2000 [g] | – | – | – | – | – | – | – |
| | 2001 [g] | – | – | – | – | – | – | – |
| | 2002 [g] | – | – | – | – | – | – | – |
| | 2003 [g] | – | – | – | – | – | – | – |
| | 2004 [g] | – | – | – | – | – | – | – |
| | 2005 [f, h] | 172 | 0.0 | 91.3 | 8.1 | 0.6 | 0.0 | 48.4 |
| | 2006 [f, h] | 179 | 3.9 | 25.1 | 62.0 | 9.0 | 0.0 | 47.8 |
| | 2007 [f, h] | 175 | 6.9 | 66.3 | 25.1 | 1.7 | 0.0 | 41.7 |
| | 2008 [f, h] | 178 | 3.4 | 41.0 | 46.6 | 7.3 | 1.7 | 56.2 |
| | 2009 [f, h] | 180 | 8.9 | 62.8 | 25.6 | 2.2 | 0.6 | 42.2 |
| | 2010 [f, h] | 180 | 20.6 | 57.8 | 17.8 | 3.3 | 0.6 | 68.9 |
| | 2011 [f, h] | 531 | 1.3 | 52.2 | 41.1 | 5.5 | 0.0 | 51.0 |
| | 2012 [g] | – | – | – | – | – | – | – |
| Average [i] (1986–2011) | | | 4.1 | 55.7 | 36.2 | 3.9 | 0.2 | 43.6 |
| 5 yr Average [i] (2007–2011) | | | 8.2 | 56.0 | 31.2 | 4.0 | 0.6 | 52.0 |
| Odd Year Average [i] | | | 3.5 | 66.4 | 27.1 | 3.0 | 0.1 | 40.0 |
| Even Year Average [i] | | | 4.0 | 46.5 | 44.0 | 4.6 | 0.3 | 47.2 |

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Table 10.–Page 2 of 4.

| Project | Year | Sample Size [a] | Percent (%) Age 3 yr (0.2) | 4 yr (0.3) | 5 yr (0.4) | 6 yr (0.5) | 7 yr (0.6) | Female [b] |
|---|---|---|---|---|---|---|---|---|
| Delta River [f] | 1986 | 442 | 7.7 | 77.1 | 14.9 | 0.2 | 0.1 | 51.8 |
| | 1987 | 282 | 1.4 | 68.4 | 29.1 | 1.1 | 0.0 | 42.0 |
| | 1988 | 150 | 2.0 | 59.3 | 38.0 | 0.7 | 0.0 | – |
| | 1989 | 150 | 4.7 | 76.7 | 17.3 | 1.3 | 0.0 | 36.7 |
| | 1990 | 160 | 6.9 | 65.0 | 25.0 | 3.1 | 0.0 | 39.4 |
| | 1991 | 155 | 2.6 | 84.5 | 12.3 | 0.6 | 0.0 | 46.9 |
| | 1992 | 145 | 0.0 | 34.5 | 62.1 | 3.4 | 0.0 | 40.0 |
| | 1993 | 192 | 0.5 | 54.7 | 42.2 | 2.6 | 0.0 | 53.0 |
| | 1994 | 144 | 1.4 | 36.8 | 60.4 | 1.4 | 0.0 | 44.7 |
| | 1995 | 144 | 0.7 | 51.4 | 42.4 | 5.6 | 0.0 | 48.0 |
| | 1996 | 170 | 1.8 | 46.5 | 47.1 | 4.7 | 0.0 | 26.1 |
| | 1997 | 172 | 1.2 | 59.3 | 37.8 | 1.7 | 0.0 | 43.9 |
| | 1998 | 158 | 4.4 | 70.9 | 22.8 | 1.9 | 0.0 | 44.1 |
| | 1999 | 186 | 2.2 | 86.0 | 11.3 | 0.5 | 0.0 | 47.0 |
| | 2000 | 160 | 1.9 | 57.5 | 40.0 | 0.6 | 0.0 | 45.5 |
| | 2001 | 169 | 1.8 | 63.3 | 34.3 | 0.6 | 0.0 | 44.4 |
| | 2002 | 167 | 11.4 | 79.0 | 9.0 | 0.6 | 0.0 | 52.2 |
| | 2003 | 172 | 2.3 | 87.2 | 9.9 | 0.6 | 0.0 | 56.1 |
| | 2004 | 169 | 19.5 | 60.4 | 19.5 | 0.6 | 0.0 | 52.2 |
| | 2005 | 173 | 0.6 | 90.8 | 8.7 | 0.0 | 0.0 | 47.2 |
| | 2006 | 179 | 10.6 | 47.5 | 40.2 | 1.7 | 0.0 | 53.6 |
| | 2007 | 179 | 2.2 | 73.2 | 22.9 | 1.7 | 0.0 | 40.0 |
| | 2008 | 179 | 1.7 | 35.2 | 53.1 | 9.5 | 0.6 | 45.6 |
| | 2009 | 180 | 11.1 | 48.3 | 33.3 | 6.7 | 0.6 | 45.6 |
| | 2010 | 165 | 17.6 | 49.1 | 24.9 | 6.7 | 1.8 | 42.4 |
| | 2011 | 177 | 1.7 | 66.1 | 26.0 | 6.2 | 0.0 | 40.1 |
| | 2012 | 180 | 1.7 | 71.1 | 26.7 | 0.6 | 0.0 | 32.8 |
| Average [i] (1986–2011) | | | 4.6 | 62.6 | 30.2 | 2.5 | 0.1 | 45.1 |
| 5 yr Average [i] (2007–2011) | | | 6.9 | 54.4 | 32.0 | 6.2 | 0.6 | 42.7 |
| Odd Year Average [i] | | | 2.5 | 70.0 | 25.2 | 2.3 | 0.0 | 45.5 |
| Even Year Average [i] | | | 6.7 | 51.3 | 32.6 | 2.7 | 0.2 | 44.8 |

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Table 10.–Page 3 of 4.

| Project | Year | Sample Size [a] | Percent (%) Age 3 yr (0.2) | 4 yr (0.3) | 5 yr (0.4) | 6 yr (0.5) | 7 yr (0.6) | Female [b] |
|---|---|---|---|---|---|---|---|---|
| Sheenjek River [f, j] | 1986 | 442 | 8.1 | 41.2 | 50.0 | 0.7 | 0.0 | 55.3 |
| | 1987 | 430 | 2.1 | 89.8 | 7.2 | 0.9 | 0.0 | 65.6 |
| | 1988 | 120 | 2.5 | 68.3 | 29.2 | 0.0 | 0.0 | 82.0 |
| | 1989 | 231 | 3.5 | 82.7 | 13.0 | 0.9 | 0.0 | 59.1 |
| | 1990 | 143 | 2.8 | 70.6 | 25.2 | 1.4 | 0.0 | – |
| | 1991 | 147 | 0.0 | 59.2 | 39.5 | 1.4 | 0.0 | 46.1 |
| | 1992 | 134 | 0.0 | 17.9 | 80.6 | 1.5 | 0.0 | 53.6 |
| | 1993 [k] | 192 | 0.5 | 64.1 | 33.9 | 1.6 | 0.0 | 44.3 |
| | 1994 | 173 | 1.2 | 56.1 | 40.5 | 2.3 | 0.0 | 50.8 |
| | 1995 | 118 | 0.8 | 51.7 | 39.8 | 7.6 | 0.0 | 51.4 |
| | 1996 | 191 | 1.6 | 33.0 | 61.8 | 3.7 | 0.0 | 44.5 |
| | 1997 [g] | – | – | – | – | – | – | – |
| | 1998 [g] | – | – | – | – | – | – | – |
| | 1999 [g] | – | – | – | – | – | – | – |
| | 2000 [g] | – | – | – | – | – | – | – |
| | 2001 | 71 | 0.0 | 36.6 | 63.4 | 0.0 | 0.0 | 46.6 |
| | 2002 | 31 | 0.0 | 61.3 | 38.7 | 0.0 | 0.0 | 37.1 |
| | 2003 | 84 | 1.2 | 82.1 | 15.5 | 1.2 | 0.0 | 45.6 |
| | 2004 | 104 | 0.0 | 11.5 | 61.5 | 25.0 | 1.9 | 38.3 |
| | 2005 | 194 | 0.0 | 92.3 | 6.7 | 1.0 | 0.0 | 46.3 |
| | 2006 | 179 | 1.1 | 23.0 | 73.2 | 2.7 | 0.0 | 53.8 |
| | 2007 | 76 | 0.0 | 52.6 | 35.5 | 11.8 | 0.1 | 41.7 |
| | 2008 | 192 | 0.5 | 46.9 | 45.3 | 6.8 | 0.5 | 45.1 |
| | 2009 [g] | – | – | – | – | – | – | – |
| | 2010 | 64 | 17.2 | 60.9 | 17.2 | 3.1 | 1.6 | 53.1 |
| | 2011 | 179 | 2.8 | 58.1 | 36.3 | 2.8 | 0.0 | 51.4 |
| | 2012 | 180 | 0.0 | 56.7 | 38.9 | 4.4 | 0.0 | 53.3 |
| Average [i] (1986–2011) | | | 2.2 | 55.2 | 38.8 | 3.6 | 0.2 | 50.6 |
| 5 yr Average [i] (2006–2008,2010–2011) | | | 4.3 | 48.3 | 41.5 | 5.4 | 0.4 | 49.0 |
| Odd Year Average [i] | | | 1.1 | 66.9 | 29.1 | 2.9 | 0.0 | 49.8 |
| Even Year Average [i] | | | 3.2 | 44.6 | 47.6 | 4.3 | 0.4 | 51.4 |

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Table 10.–Page 4 of 4.

| Project | Year | Sample Size [a] | Percent (%) Age 3 yr (0.2) | 4 yr (0.3) | 5 yr (0.4) | 6 yr (0.5) | 7 yr (0.6) | Female [b] |
|---|---|---|---|---|---|---|---|---|
| Toklat River [f] | 1986 | 445 | 2.9 | 79.8 | 16.4 | 0.9 | 0.0 | 46.8 |
| | 1987 | 284 | 4.9 | 77.1 | 17.6 | 0.4 | 0.0 | 39.0 |
| | 1988 | 195 | 3.6 | 49.7 | 45.6 | 1.0 | 0.1 | 55.0 |
| | 1989 | 150 | 3.3 | 79.3 | 16.0 | 1.3 | 0.1 | 55.3 |
| | 1990 | 160 | 6.3 | 71.9 | 19.4 | 2.5 | 0.0 | 46.7 |
| | 1991 | 153 | 4.6 | 66.0 | 29.4 | 0.0 | 0.0 | 50.0 |
| | 1992 | 187 | 3.2 | 44.4 | 51.3 | 1.1 | 0.0 | 36.4 |
| | 1993 | 94 | 3.2 | 60.6 | 31.9 | 4.3 | 0.0 | 42.0 |
| | 1994 | 193 | 1.6 | 71.0 | 25.9 | 1.6 | 0.0 | 100.0 |
| | 1995 | 144 | 1.4 | 38.9 | 54.9 | 4.9 | 0.0 | 58.7 |
| | 1996 | 172 | 0.6 | 56.4 | 37.8 | 5.2 | 0.0 | 46.7 |
| | 1997 | 171 | 3.5 | 60.8 | 34.5 | 1.2 | 0.0 | 53.3 |
| | 1998 | 176 | 1.1 | 74.4 | 23.3 | 1.1 | 0.0 | 62.6 |
| | 1999 | 72 | 0.0 | 73.6 | 26.4 | 0.0 | 0.0 | 46.3 |
| | 2000 | 13 | 0.0 | 76.9 | 23.1 | 0.0 | 0.0 | 15.4 |
| | 2001 | 168 | 2.4 | 74.4 | 22.6 | 0.6 | 0.0 | 47.8 |
| | 2002 | 170 | 4.7 | 82.9 | 12.4 | 0.0 | 0.0 | 41.1 |
| | 2003 | 160 | 5.0 | 83.1 | 11.3 | 0.6 | 0.0 | 59.4 |
| | 2004 | 174 | 10.9 | 72.4 | 16.1 | 0.6 | 0.0 | 36.2 |
| | 2005 | 171 | 1.2 | 90.6 | 8.2 | 0.0 | 0.0 | 22.8 |
| | 2006 | 57 | 0.0 | 54.4 | 33.3 | 12.3 | 0.0 | 75.5 |
| | 2007 [l] | 179 | 0.6 | 71.0 | 22.3 | 5.6 | 0.4 | 35.6 |
| | 2008 [g] | – | – | – | – | – | – | – |
| | 2009 | 150 | 14.0 | 62.7 | 16.0 | 6.0 | 1.3 | 60.0 |
| | 2010 [g] | – | – | – | – | – | – | – |
| | 2011 [g] | – | – | – | – | – | – | – |
| | 2012 [m] | 150 | 2.0 | 79.3 | 18.0 | 0.7 | 0.0 | 65.0 |
| Average [i] (1986–2011) | | | 3.4 | 68.4 | 25.9 | 2.2 | 0.1 | 49.2 |
| 5 yr Average [i] (2004–2007,2009) | | | 5.3 | 70.2 | 19.2 | 4.9 | 0.3 | 46.0 |
| Odd Year Average [i] | | | 3.7 | 69.8 | 24.3 | 2.1 | 0.1 | 47.5 |
| Even Year Average [i] | | | 3.2 | 66.8 | 27.7 | 2.4 | 0.0 | 51.1 |

[a] Total samples aged.
[b] Sex ratio is from total sample which includes unaged fish.
[c] Age determination from otoliths.
[d] Age determination from scales.
[e] Sample bias because collected at sonar site using gillnet (1995 and 1996 used 114 mm and 149 mm mesh).
[f] Age determination from vertebrae.
[g] No samples collected.
[h] Carcass samples collected on the spawning grounds.
[i] Averages not weighted by sample size.
[j] Escapement samples taken with beach seine.
[k] Escapement samples predominantly taken late in run.
[l] Collections taken at the mouth of the Kantishna River of which the Toklat is a tributary. Samples collected from subsistence fish.
[m] Sex composition based on a sample size of 180 fish.

Table 11.–Yukon River coho salmon age and female percentages, from commercial and test fishery projects, 2012.

| Project Type Location (gear) | Sample Size | Percent (%) Brood Year (Age) 2009 (1.1) | 2008 (2.1) | 2007 (3.1) | Female |
|---|---|---|---|---|---|
| Commercial | | | | | |
| District 1 (gillnet) [a] | 458 | 25.1 | 68.5 | 6.4 | 49.2 |
| Test Fishery | | | | | |
| Big Eddy (6.0" drift gillnet) | 122 | 32.8 | 63.1 | 4.1 | 41.8 |
| Middle Mouth (6.0" drift gillnet) | 272 | 29.4 | 61.4 | 9.2 | 51.5 |
| Mountain Village (5 ⅞" drift gillnet) | 114 | 39.5 | 52.6 | 7.9 | 43.9 |
| Test Fishery Average [b] | | 33.9 | 59.0 | 7.1 | 45.7 |
| Total | 966 | | | | |

[a] All commercial fishing periods were restricted to 6.0 in or smaller mesh gillnets.

[b] Averages are not weighted by sample size.

Table 12.–Yukon River coho salmon mean length (mm) by sex, project, gear, and age, 2012.

| Sex | Project Location | Project Type and (Gear) | Brood Year (Age) 2009 (1.1) | 2008 (2.1) | 2007 (3.1) |
|---|---|---|---|---|---|
| Male | District 1 [a] | Com (≤6" GN) | 554 | 541 | 556 |
| | Big Eddy | TF (6.0" DGN) | 558 | 557 | 549 |
| | Middle Mouth | TF (6.0" DGN) | 559 | 554 | 555 |
| | Mt. Village | TF (5 ⅞" DGN) | 535 | 555 | 530 |
| | | Male Average [b] | 552 | 552 | 548 |
| Female | District 1 [a] | Com (≤6" GN) | 540 | 542 | 531 |
| | Big Eddy | TF (6.0" DGN) | 558 | 561 | 573 |
| | Middle Mouth | TF (6.0" DGN) | 556 | 554 | 558 |
| | Mt. Village | TF (5 ⅞" DGN) | 551 | 552 | 549 |
| | | Female Average [b] | 551 | 552 | 553 |

*Note*: Com is commercial, and TF is test fish. GN is gillnet, DGN is drift gillnet preceded by mesh size.

[a] Commercial fishing gear was restricted to 6.0 in or smaller mesh gillnets.

[b] Averages were not weighted by sample size.

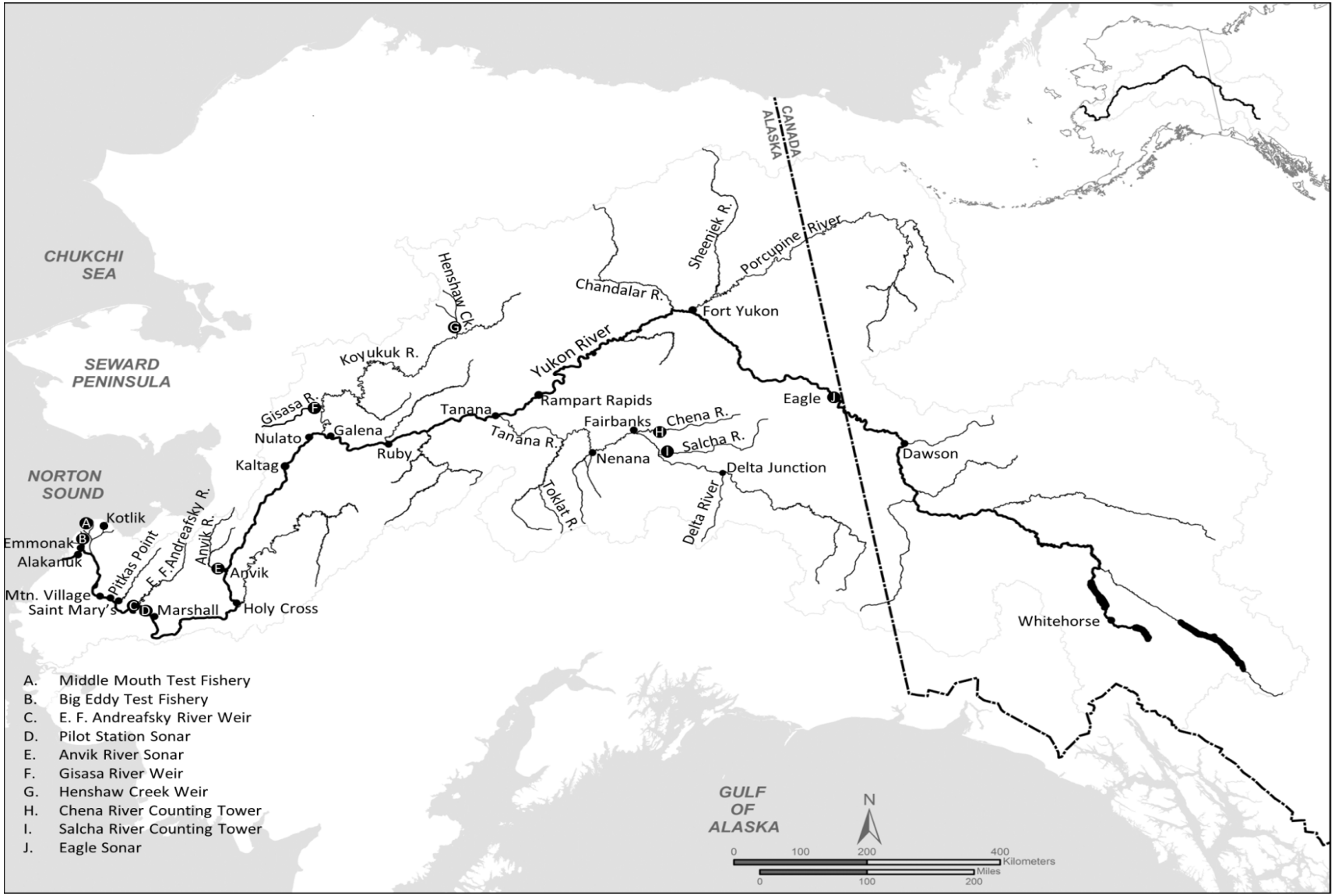


Figure 1.–Yukon River drainage in Alaska and Canada.

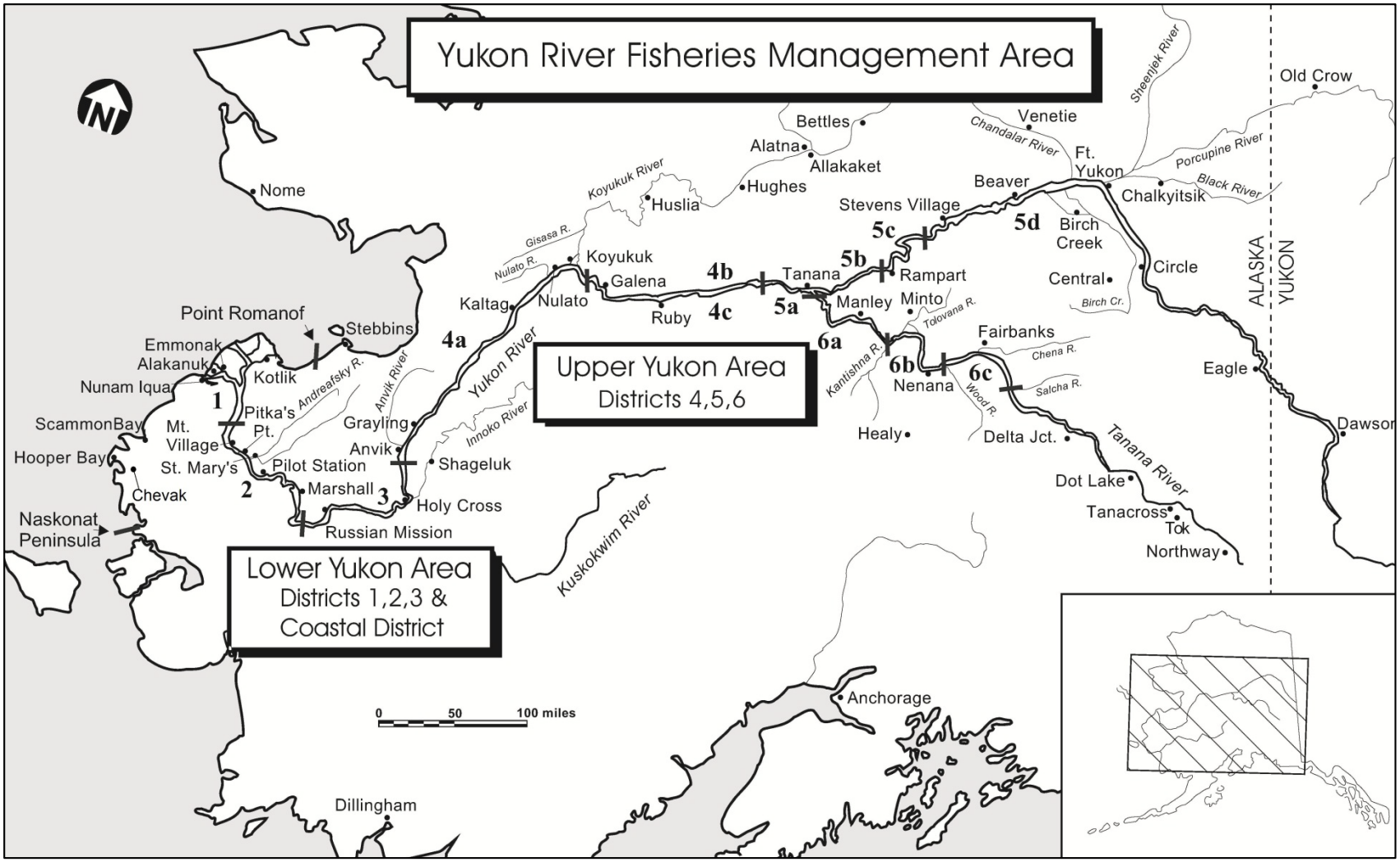


Figure 2.–Yukon River district and subdistrict map.

# APPENDIX A: CHINOOK SALMON

Appendix A1.–Yukon River District 1 Chinook salmon incidental commercial gillnet harvest, age and sex composition, and mean length (mm), 2012.

| | | | Brood Year (Age) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2009 | | 2008 | | | | 2007 | | | | 2006 | | | | 2005 | | | | 2004 | | | |
| Sample | Sample | | (1.1) | | (1.2) | | (2.1) | | (1.3) | | (2.2) | | (1.4) | | (2.3) | | (1.5) | | (2.4) | | (1.6) | | (2.5) | | Total | |
| Dates | Size | | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| | 621 | Male | 0 | 0.0 | 338 | 18.5 | 0 | 0.0 | 780 | 42.7 | 3 | 0.2 | 159 | 8.7 | 3 | 0.2 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1,283 | 70.2 |
| 6/29; 7/1–3, | | Female | 0 | 0.0 | 6 | 0.3 | 0 | 0.0 | 138 | 7.6 | 0 | 0.0 | 388 | 21.3 | 0 | 0.0 | 9 | 0.5 | 3 | 0.2 | 0 | 0.0 | 0 | 0.0 | 544 | 29.8 |
| 5–7, 9–10, 13 | | Total | 0 | 0.0 | 344 | 18.8 | 0 | 0.0 | 918 | 50.2 | 3 | 0.2 | 547 | 30.0 | 3 | 0.2 | 9 | 0.5 | 3 | 0.2 | 0 | 0.0 | 0 | 0.0 | 1,827 | 100.0 |
| | | Male Mean Length | | – | | 568 | | – | | 684 | | 557 | | 802 | | 637 | | – | | – | | – | | – | | |
| Season | | SE | | – | | 4 | | – | | 4 | | – | | 10 | | – | | – | | – | | – | | – | | |
| | | Range | | – | | 486–669 | | – | | 484–845 | | – | | 605–950 | | – | | – | | – | | – | | – | | |
| | | n | | – | | 115 | | – | | 265 | | 1 | | 53 | | 1 | | – | | – | | – | | – | | |
| | | Female Mean Length | | – | | 534 | | – | | 760 | | – | | 832 | | – | | 866 | | 765 | | – | | – | | |
| | | SE | | – | | – | | – | | 7 | | – | | 4 | | – | | 36 | | – | | – | | – | | |
| | | Range | | – | | 534–534 | | – | | 603–843 | | – | | 708–944 | | – | | 819–937 | | – | | – | | – | | |
| | | n | | – | | 2 | | – | | 47 | | – | | 132 | | – | | 3 | | 1 | | – | | – | | |

*Note*: All commercial fishing periods were restricted to 6 .0 in or smaller mesh gillnets.

Appendix A2.–Yukon River District 2 Chinook salmon incidental commercial gillnet harvest, age and sex composition, and mean length (mm), 2012.

| | | | Brood Year (Age) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2009 | | 2008 | | | | 2007 | | | | 2006 | | | | 2005 | | | | 2004 | | | |
| Sample | Sample | | (1.1) | | (1.2) | | (2.1) | | (1.3) | | (2.2) | | (1.4) | | (2.3) | | (1.5) | | (2.4) | | (1.6) | | (2.5) | | Total | |
| Dates | Size | | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| 7/2, 8, 11 [a] | 6 | Male | 0 | 0.0 | 2 | 33.3 | 0 | 0.0 | 1 | 16.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 50.0 |
| Total | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 33.3 | 0 | 0.0 | 1 | 16.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 50.0 |
| | | Total | 0 | 0.0 | 2 | 33.3 | 0 | 0.0 | 3 | 50.0 | 0 | 0.0 | 1 | 16.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 100.0 |
| | | Male Mean Length | – | | 551 | | – | | 735 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 17 | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 534–568 | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | 2 | | – | | 1 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 725 | | – | | 800 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 49 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 676–774 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 2 | | – | | 1 | | – | | – | | – | | – | | – | | | |

*Note*: All commercial fishing periods were restricted to 6.0 in or smaller mesh gillnets.

[a] Only fish from Periods 1, 2, and 3 were sampled. Not representative of entire harvest.

Appendix A3.–Yukon River District 1 (Kotlik) Chinook salmon subsistence gillnet harvest, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/19, 30 | 6 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 66.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 66.7 |
| 6" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 33.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 33.3 |
| Drift Gillnet | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 66.7 | 0 | 0.0 | 2 | 33.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 694 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 30 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 604–732 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 4 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | 806 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | 16 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | 790–821 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | 2 | | – | | – | | – | | – | | – | | | |
| 7/7–8, 10–11 | 6 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 66.7 | 0 | 0.0 | 1 | 16.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 83.3 |
| 6" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 16.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 16.7 |
| Set Gillnet | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 83.3 | 0 | 0.0 | 1 | 16.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 688 | | – | | 730 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 11 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 660–710 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 4 | | – | | 1 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 770 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 1 | | – | | – | | – | | – | | – | | – | | – | | | |
| Total 6" Mesh | 12 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 8 | 66.7 | 0 | 0.0 | 1 | 8.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 9 | 75.0 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 8.3 | 0 | 0.0 | 2 | 16.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 25.0 |
| | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 9 | 75.0 | 0 | 0.0 | 3 | 25.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 12 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 691 | | – | | 730 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 15 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 604–732 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 8 | | – | | 1 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 770 | | – | | 806 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | 16 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | 790–821 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 1 | | – | | 2 | | – | | – | | – | | – | | – | | | |

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Appendix A3.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/18 | 1 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 100.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 100.0 |
| 7.5" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Set Gillnet | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 100.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 100.0 |
| | | Male Mean Length | – | | – | | – | | – | | – | | 854 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | 1 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| All Gear | 13 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 8 | 61.5 | 0 | 0.0 | 2 | 15.4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 10 | 76.9 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 7.7 | 0 | 0.0 | 2 | 15.4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 23.1 |
| | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 9 | 69.2 | 0 | 0.0 | 4 | 30.8 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 13 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 691 | | – | | 792 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 15 | | – | | 62.00 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 604–732 | | – | | 730–854 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 8 | | – | | 2 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 770 | | – | | 806 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | 16 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | 790–821 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 1 | | – | | 2 | | – | | – | | – | | – | | – | | | |

Appendix A4.–Yukon River District 1 (Alakanuk) Chinook salmon subsistence gillnet harvest, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/12, 14–15, | 15 | Male | 0 | 0.0 | 4 | 26.7 | 0 | 0.0 | 10 | 66.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 14 | 93.3 |
| 6" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 6.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 6.7 |
| Drift Gillnet | | Subtotal | 0 | 0.0 | 4 | 26.7 | 0 | 0.0 | 10 | 66.7 | 0 | 0.0 | 1 | 6.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 15 | 100.0 |
| | | Male Mean Length | | – | | 544 | | – | | 686 | | – | | – | | – | | – | | – | | – | | – | | |
| | | SE | | – | | 13 | | – | | 21 | | – | | – | | – | | – | | – | | – | | – | | |
| | | Range | | – | | 522–580 | | – | | 603–851 | | – | | – | | – | | – | | – | | – | | – | | |
| | | n | | – | | 4 | | – | | 10 | | – | | – | | – | | – | | – | | – | | – | | |
| | | Female Mean Length | | – | | – | | – | | – | | – | | 745 | | – | | – | | – | | – | | – | | |
| | | SE | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | |
| | | Range | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | |
| | | n | | – | | – | | – | | – | | – | | 1 | | – | | – | | – | | – | | – | | |
| 6/6, 15 | 15 | Male | 0 | 0.0 | 1 | 6.7 | 0 | 0.0 | 6 | 40.0 | 0 | 0.0 | 2 | 13.3 | 1 | 6.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 10 | 66.7 |
| 7.5" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 6.7 | 0 | 0.0 | 4 | 26.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 33.3 |
| Drift Gillnet | | Subtotal | 0 | 0.0 | 1 | 6.7 | 0 | 0.0 | 7 | 46.7 | 0 | 0.0 | 6 | 40.0 | 1 | 6.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 15 | 100.0 |
| | | Male Mean Length | | – | | 558 | | – | | 677 | | – | | 790 | | 658 | | – | | – | | – | | – | | |
| | | SE | | – | | – | | – | | 14 | | – | | 106 | | – | | – | | – | | – | | – | | |
| | | Range | | – | | – | | – | | 625–710 | | – | | 684–896 | | – | | – | | – | | – | | – | | |
| | | n | | – | | 1 | | – | | 6 | | – | | 2 | | 1 | | – | | – | | – | | – | | |
| | | Female Mean Length | | – | | – | | – | | 860 | | – | | 853 | | – | | – | | – | | – | | – | | |
| | | SE | | – | | – | | – | | – | | – | | 27 | | – | | – | | – | | – | | – | | |
| | | Range | | – | | – | | – | | – | | – | | 775–893 | | – | | – | | – | | – | | – | | |
| | | n | | – | | – | | – | | 1 | | – | | 4 | | – | | – | | – | | – | | – | | |
| 6/13 | 28 | Male | 0 | 0.0 | 2 | 7.1 | 0 | 0.0 | 14 | 50.0 | 0 | 0.0 | 2 | 7.1 | 1 | 3.6 | 1 | 3.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 20 | 71.4 |
| 7.5" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 3.6 | 0 | 0.0 | 7 | 25.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 8 | 28.6 |
| Set Gillnet | | Subtotal | 0 | 0.0 | 2 | 7.1 | 0 | 0.0 | 15 | 53.6 | 0 | 0.0 | 9 | 32.1 | 1 | 3.6 | 1 | 3.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 28 | 100.0 |
| | | Male Mean Length | | – | | 620 | | – | | 679 | | – | | 745 | | 670 | | 910 | | – | | – | | – | | |
| | | SE | | – | | 70 | | – | | 14 | | – | | 25 | | – | | – | | – | | – | | – | | |
| | | Range | | – | | 550–690 | | – | | 590–800 | | – | | 720–770 | | – | | – | | – | | – | | – | | |
| | | n | | – | | 2 | | – | | 14 | | – | | 2 | | 1 | | 1 | | – | | – | | – | | |
| | | Female Mean Length | | – | | – | | – | | 840 | | – | | 836 | | – | | – | | – | | – | | – | | |
| | | SE | | – | | – | | – | | – | | – | | 21 | | – | | – | | – | | – | | – | | |
| | | Range | | – | | – | | – | | – | | – | | 770–920 | | – | | – | | – | | – | | – | | |
| | | n | | – | | – | | – | | 1 | | – | | 7 | | – | | – | | – | | – | | – | | |

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| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total 7.5" Mesh | 43 | Male | 0 | 0.0 | 3 | 7.0 | 0 | 0.0 | 20 | 46.5 | 0 | 0.0 | 4 | 9.3 | 2 | 4.7 | 1 | 2.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 30 | 69.8 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 4.7 | 0 | 0.0 | 11 | 25.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 13 | 30.2 |
| | | Total | 0 | 0.0 | 3 | 7.0 | 0 | 0.0 | 22 | 51.2 | 0 | 0.0 | 15 | 34.9 | 2 | 4.7 | 1 | 2.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 43 | 100.0 |
| | | Male Mean Length | – | | 599 | | – | | 678 | | – | | 768 | | 664 | | 910 | | – | | – | | – | | | |
| | | SE | – | | 45 | | – | | 11 | | – | | 46 | | 6 | | – | | – | | – | | – | | | |
| | | Range | – | | 550–690 | | – | | 590–800 | | – | | 684–896 | | 658–670 | | – | | – | | – | | – | | | |
| | | n | – | | 3 | | – | | 20 | | – | | 4 | | 2 | | 1 | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 850 | | – | | 842 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 10 | | – | | 16 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 840–860 | | – | | 770–920 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 2 | | – | | 11 | | – | | – | | – | | – | | – | | | |
| All Gear | 58 | Male | 0 | 0.0 | 7 | 12.1 | 0 | 0.0 | 30 | 51.7 | 0 | 0.0 | 4 | 6.9 | 2 | 3.4 | 1 | 1.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 44 | 75.9 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 3.4 | 0 | 0.0 | 12 | 20.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 14 | 24.1 |
| | | Total | 0 | 0.0 | 7 | 12.1 | 0 | 0.0 | 32 | 55.2 | 0 | 0.0 | 16 | 27.6 | 2 | 3.4 | 1 | 1.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 58 | 100.0 |
| | | Male Mean Length | – | | 568 | | – | | 681 | | – | | 768 | | 664 | | 910 | | – | | – | | – | | | |
| | | SE | – | | 22 | | – | | 10 | | – | | 46 | | 6 | | – | | – | | – | | – | | | |
| | | Range | – | | 522–690 | | – | | 590–851 | | – | | 684–896 | | 658–670 | | – | | – | | – | | – | | | |
| | | n | – | | 7 | | – | | 30 | | – | | 4 | | 2 | | 1 | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 850 | | – | | 834 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 10 | | – | | 17 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 840–860 | | – | | 745–920 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 2 | | – | | 12 | | – | | – | | – | | – | | – | | | |

Appendix A5.–Yukon River District 1 (Emmonak) Chinook salmon subsistence gillnet harvest, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/30 | 2 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 50.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 50.0 |
| 5.5" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 50.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 50.0 |
| Drift Gillnet | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 50.0 | 0 | 0.0 | 1 | 50.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 620 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 1 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | 836 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | 1 | | – | | – | | – | | – | | – | | | |
| 6/19; 7/6 | 6 | Male | 0 | 0.0 | 1 | 16.7 | 0 | 0.0 | 4 | 66.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 83.3 |
| 5.5" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 16.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 16.7 |
| Set Gillnet | | Subtotal | 0 | 0.0 | 1 | 16.7 | 0 | 0.0 | 4 | 66.7 | 0 | 0.0 | 1 | 16.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 100.0 |
| | | Male Mean Length | – | | 602 | | – | | 670 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 7 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 655–685 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | 1 | | – | | 4 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | 819 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | 1 | | – | | – | | – | | – | | – | | | |
| Total | 8 | Male | 0 | 0.0 | 1 | 12.5 | 0 | 0.0 | 5 | 62.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 75.0 |
| 5.5" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 25.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 25.0 |
| | | Total | 0 | 0.0 | 1 | 12.5 | 0 | 0.0 | 5 | 62.5 | 0 | 0.0 | 2 | 25.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 8 | 100.0 |
| | | Male Mean Length | – | | 602 | | – | | 660 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 12 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 620–685 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | 1 | | – | | 5 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | 828 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | 9 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | 819–836 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | 2 | | – | | – | | – | | – | | – | | | |

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| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/18 | 2 | Male | 0 | 0.0 | 1 | 50.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 50.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 100.0 |
| 6" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Drift Gillnet | | Subtotal | 0 | 0.0 | 1 | 50.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 50.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 100.0 |
| | | Male Mean Length | – | | 606 | | – | | – | | – | | 714 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | 1 | | – | | – | | – | | 1 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| 6/19 | 8 | Male | 0 | 0.0 | 1 | 12.5 | 0 | 0.0 | 6 | 75.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 7 | 87.5 |
| 6" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 12.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 12.5 |
| Set Gillnet | | Subtotal | 0 | 0.0 | 1 | 12.5 | 0 | 0.0 | 6 | 75.0 | 0 | 0.0 | 1 | 12.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 8 | 100.0 |
| | | Male Mean Length | – | | 581 | | – | | 652 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 16 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 610–710 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | 1 | | – | | 6 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | 824 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | 1 | | – | | – | | – | | – | | – | | | |
| Total | 10 | Male | 0 | 0.0 | 2 | 20.0 | 0 | 0.0 | 6 | 60.0 | 0 | 0.0 | 1 | 10.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 9 | 90.0 |
| 6" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 10.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 10.0 |
| | | Total | 0 | 0.0 | 2 | 20.0 | 0 | 0.0 | 6 | 60.0 | 0 | 0.0 | 2 | 20.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 10 | 100.0 |
| | | Male Mean Length | – | | 594 | | – | | 652 | | – | | 714 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 13 | | – | | 16 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 581–606 | | – | | 610–710 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | 2 | | – | | 6 | | – | | 1 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | 824 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | 1 | | – | | – | | – | | – | | – | | | |

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| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/13–15 | 14 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 10 | 71.4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 10 | 71.4 |
| 7.5" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 14.3 | 0 | 0.0 | 2 | 14.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 28.6 |
| Drift Gillnet | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 12 | 85.7 | 0 | 0.0 | 2 | 14.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 14 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 703 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 13 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 667–794 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 10 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 787 | | – | | 810 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 11 | | – | | 25 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 776–797 | | – | | 785–834 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 2 | | – | | 2 | | – | | – | | – | | – | | – | | | |
| 6/11, 14 | 14 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 21.4 | 0 | 0.0 | 6 | 42.9 | 0 | 0.0 | 0 | 0.0 | 1 | 7.1 | 0 | 0.0 | 0 | 0.0 | 10 | 71.4 |
| 7.5" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 21.4 | 0 | 0.0 | 1 | 7.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 28.6 |
| Set Gillnet | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 42.9 | 0 | 0.0 | 7 | 50.0 | 0 | 0.0 | 0 | 0.0 | 1 | 7.1 | 0 | 0.0 | 0 | 0.0 | 14 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 666 | | – | | 788 | | – | | – | | 810 | | – | | – | | | |
| | | SE | – | | – | | – | | 41 | | – | | 31 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 601–742 | | – | | 700–900 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 3 | | – | | 6 | | – | | – | | 1 | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 732 | | – | | 900 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 27 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 703–785 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 3 | | – | | 1 | | – | | – | | – | | – | | – | | | |
| Total | 28 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 13 | 46.4 | 0 | 0.0 | 6 | 21.4 | 0 | 0.0 | 0 | 0.0 | 1 | 3.6 | 0 | 0.0 | 0 | 0.0 | 20 | 71.4 |
| 7.5" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 17.9 | 0 | 0.0 | 3 | 10.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 8 | 28.6 |
| | | Total | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 18 | 64.3 | 0 | 0.0 | 9 | 32.1 | 0 | 0.0 | 0 | 0.0 | 1 | 3.6 | 0 | 0.0 | 0 | 0.0 | 28 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 694 | | – | | 788 | | – | | – | | 810 | | – | | – | | | |
| | | SE | – | | – | | – | | 13 | | – | | 31 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 601–794 | | – | | 700–900 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 13 | | – | | 6 | | – | | – | | 1 | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 754 | | – | | 840 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 20 | | – | | 33 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 703–797 | | – | | 785–900 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 5 | | – | | 3 | | – | | – | | – | | – | | – | | | |

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| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All Gear | 46 | Male | 0 | 0.0 | 3 | 6.5 | 0 | 0.0 | 24 | 52.2 | 0 | 0.0 | 7 | 15.2 | 0 | 0.0 | 0 | 0.0 | 1 | 2.2 | 0 | 0.0 | 0 | 0.0 | 35 | 76.1 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 10.9 | 0 | 0.0 | 6 | 13.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 11 | 23.9 |
| | | Total | 0 | 0.0 | 3 | 6.5 | 0 | 0.0 | 29 | 63.0 | 0 | 0.0 | 13 | 28.3 | 0 | 0.0 | 0 | 0.0 | 1 | 2.2 | 0 | 0.0 | 0 | 0.0 | 46 | 100.0 |
| | | Male Mean Length | – | | 596 | | – | | 677 | | – | | 777 | | – | | – | | 810 | | – | | – | | | |
| | | SE | – | | 8 | | – | | 9 | | – | | 29 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 581–606 | | – | | 601–794 | | – | | 700–900 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 3 | | – | | 24 | | – | | 7 | | – | | – | | 1 | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 754 | | – | | 833 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 20 | | – | | 15 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 703–797 | | – | | 785–900 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 5 | | – | | 6 | | – | | – | | – | | – | | – | | | |

Appendix A6.–Yukon River District 2 (Mountain Village) Chinook salmon subsistence gillnet harvest, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/20 | 6 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 50.0 | 0 | 0.0 | 2 | 33.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 83.3 |
| 6" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 16.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 16.7 |
| Drift Gillnet | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 50.0 | 0 | 0.0 | 3 | 50.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 680 | | – | | 779 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 14 | | – | | 11 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 665–707 | | – | | 768–789 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 3 | | – | | 2 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | 759 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | 1 | | – | | – | | – | | – | | – | | | |
| 6/19 | 12 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 41.7 | 0 | 0.0 | 4 | 33.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 9 | 75.0 |
| 7" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 16.7 | 0 | 0.0 | 1 | 8.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 25.0 |
| Drift Gillnet | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 7 | 58.3 | 0 | 0.0 | 5 | 41.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 12 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 731 | | – | | 811 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 24 | | – | | 14 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 689–807 | | – | | 776–842 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 5 | | – | | 4 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 791 | | – | | 700 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 74 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 717–864 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 2 | | – | | 1 | | – | | – | | – | | – | | – | | | |
| 6/13–14, 16–17, | 50 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 27 | 54.0 | 0 | 0.0 | 6 | 12.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 33 | 66.0 |
| 7.5" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 8.0 | 0 | 0.0 | 12 | 24.0 | 0 | 0.0 | 1 | 2.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 17 | 34.0 |
| Drift Gillnet | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 31 | 62.0 | 0 | 0.0 | 18 | 36.0 | 0 | 0.0 | 1 | 2.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 50 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 708 | | – | | 789 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 5 | | – | | 29 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 660–763 | | – | | 703–905 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 27 | | – | | 6 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 799 | | – | | 849 | | – | | 859 | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 11 | | – | | 10 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 777–823 | | – | | 795–909 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 4 | | – | | 12 | | – | | 1 | | – | | – | | – | | | |

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Appendix A6.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/14 | 4 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 25.0 | 0 | 0.0 | 1 | 25.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 50.0 |
| 8.5" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 50.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 50.0 |
| Drift Gillnet [a] | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 25.0 | 0 | 0.0 | 3 | 75.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 769 | | – | | 846 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 1 | | – | | 1 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | 844 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | 34 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | 810–878 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | 2 | | – | | – | | – | | – | | – | | | |
| All Gear | 72 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 36 | 50.0 | 0 | 0.0 | 13 | 18.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 49 | 68.1 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 8.3 | 0 | 0.0 | 16 | 22.2 | 0 | 0.0 | 1 | 1.4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 23 | 31.9 |
| | | Total | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 42 | 58.3 | 0 | 0.0 | 29 | 40.3 | 0 | 0.0 | 1 | 1.4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 72 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 711 | | – | | 798 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 6 | | – | | 14 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 660–807 | | – | | 703–905 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 36 | | – | | 13 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 796 | | – | | 833 | | – | | 859 | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 20 | | – | | 13 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 717–864 | | – | | 700–909 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 6 | | – | | 16 | | – | | 1 | | – | | – | | – | | | |

[a] These samples were from fish confiscated due to use of illegal gear.

Appendix A7.–Yukon River District 2 (St. Mary's) Chinook salmon subsistence gillnet harvest, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/20 | 2 | Male | 0 | 0.0 | 1 | 50.0 | 0 | 0.0 | 1 | 50.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 100.0 |
| 5.5" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Drift Gillnet | | Subtotal | 0 | 0.0 | 1 | 50.0 | 0 | 0.0 | 1 | 50.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 100.0 |
| | | Male Mean Length | – | | 540 | | – | | 731 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | 1 | | – | | 1 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| 6/13–14, 17; | 18 | Male | 0 | 0.0 | 6 | 33.3 | 0 | 0.0 | 10 | 55.6 | 0 | 0.0 | 1 | 5.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 17 | 94.4 |
| 6" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 5.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 5.6 |
| Drift Gillnet | | Subtotal | 0 | 0.0 | 6 | 33.3 | 0 | 0.0 | 11 | 61.1 | 0 | 0.0 | 1 | 5.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 18 | 100.0 |
| | | Male Mean Length | – | | 545 | | – | | 712 | | – | | 730 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 14 | | – | | 14 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 493–572 | | – | | 650–778 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | 6 | | – | | 10 | | – | | 1 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 755 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 1 | | – | | – | | – | | – | | – | | – | | – | | | |
| 6/10–11, 13– | 198 | Male | 0 | 0.0 | 1 | 0.5 | 0 | 0.0 | 98 | 49.5 | 1 | 0.5 | 39 | 19.6 | 1 | 0.5 | 1 | 0.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 141 | 71.2 |
| 15, 17–18 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 7 | 3.5 | 0 | 0.0 | 48 | 24.1 | 0 | 0.0 | 2 | 1.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 57 | 28.8 |
| 7.5" Mesh | | Subtotal | 0 | 0.0 | 1 | 0.5 | 0 | 0.0 | 106 | 53.0 | 1 | 0.5 | 87 | 43.7 | 1 | 0.5 | 3 | 1.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 198 | 100.0 |
| Drift Gillnet | | Male Mean Length | – | | 578 | | – | | 716 | | 633 | | 809 | | 680 | | 1000 | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 5 | | – | | 8 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 618–898 | | – | | 708–905 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 1 | | – | | 98 | | 1 | | 39 | | 1 | | 1 | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 773 | | – | | 830 | | – | | 828 | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 12 | | – | | 5 | | – | | 4 | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 709–810 | | – | | 744–946 | | – | | 824–831 | | – | | – | | – | | | |
| | | n | – | | – | | – | | 7 | | – | | 48 | | – | | 2 | | – | | – | | – | | | |

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Appendix A7.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All Gear | 218 | Male | 0 | 0.0 | 8 | 3.7 | 0 | 0.0 | 109 | 50.0 | 1 | 0.5 | 40 | 18.3 | 1 | 0.5 | 1 | 0.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 160 | 73.4 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 8 | 3.7 | 0 | 0.0 | 48 | 21.9 | 0 | 0.0 | 2 | 0.9 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 58 | 26.6 |
| | | Total | 0 | 0.0 | 8 | 3.7 | 0 | 0.0 | 118 | 53.9 | 1 | 0.5 | 88 | 40.2 | 1 | 0.5 | 3 | 1.4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 218 | 100.0 |
| | | Male Mean Length | – | | 548 | | – | | 716 | | 633 | | 807 | | 680 | | 1000 | | – | | – | | – | | | |
| | | SE | – | | 11 | | – | | 5 | | – | | 8 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 493–578 | | – | | 618–898 | | – | | 708–905 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 8 | | – | | 109 | | 1 | | 40 | | 1 | | 1 | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 771 | | – | | 830 | | – | | 828 | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 11 | | – | | 5 | | – | | 4 | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 709–810 | | – | | 744–946 | | – | | 824–831 | | – | | – | | – | | | |
| | | n | – | | – | | – | | 8 | | – | | 48 | | – | | 2 | | – | | – | | – | | | |

Appendix A8.–Yukon River District 2 (Marshall) Chinook salmon subsistence gillnet harvest, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/20 | 7 | Male | 0 | 0.0 | 3 | 42.9 | 0 | 0.0 | 4 | 57.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 7 | 100.0 |
| 5.25" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Drift Gillnet | | Subtotal | 0 | 0.0 | 3 | 42.9 | 0 | 0.0 | 4 | 57.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 7 | 100.0 |
| | | Male Mean Length | – | | 560 | | – | | 606 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 4 | | – | | 29 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 555–568 | | – | | 544–683 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | 3 | | – | | 4 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| 6/17–19 | 96 | Male | 0 | 0.0 | 2 | 2.1 | 0 | 0.0 | 55 | 57.3 | 0 | 0.0 | 20 | 20.8 | 1 | 1.0 | 0 | 0.0 | 1 | 1.0 | 0 | 0.0 | 0 | 0.0 | 79 | 82.3 |
| 7.5" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 1.0 | 0 | 0.0 | 15 | 15.6 | 0 | 0.0 | 1 | 1.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 17 | 17.7 |
| Drift Gillnet | | Subtotal | 0 | 0.0 | 2 | 2.1 | 0 | 0.0 | 56 | 58.3 | 0 | 0.0 | 35 | 36.5 | 1 | 1.0 | 1 | 1.0 | 1 | 1.0 | 0 | 0.0 | 0 | 0.0 | 96 | 100.0 |
| | | Male Mean Length | – | | 589 | | – | | 708 | | – | | 800 | | 695 | | – | | 727 | | – | | – | | | |
| | | SE | – | | 28 | | – | | 7 | | – | | 14 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 561–617 | | – | | 583–816 | | – | | 687–903 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 2 | | – | | 55 | | – | | 20 | | 1 | | – | | 1 | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 800 | | – | | 840 | | – | | 903 | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | 9 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | 774–911 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 1 | | – | | 15 | | – | | 1 | | – | | – | | – | | | |
| All Gear | 103 | Male | 0 | 0.0 | 5 | 4.9 | 0 | 0.0 | 59 | 57.3 | 0 | 0.0 | 20 | 19.4 | 1 | 1.0 | 0 | 0.0 | 1 | 1.0 | 0 | 0.0 | 0 | 0.0 | 86 | 83.5 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 1.0 | 0 | 0.0 | 15 | 14.6 | 0 | 0.0 | 1 | 1.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 17 | 16.5 |
| | | Total | 0 | 0.0 | 5 | 4.9 | 0 | 0.0 | 60 | 58.3 | 0 | 0.0 | 35 | 34.0 | 1 | 1.0 | 1 | 1.0 | 1 | 1.0 | 0 | 0.0 | 0 | 0.0 | 103 | 100.0 |
| | | Male Mean Length | – | | 571 | | – | | 701 | | – | | 800 | | 695 | | – | | 727 | | – | | – | | | |
| | | SE | – | | 12 | | – | | 7 | | – | | 14 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 555–617 | | – | | 544–816 | | – | | 687–903 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 5 | | – | | 59 | | – | | 20 | | 1 | | – | | 1 | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 800 | | – | | 840 | | – | | 903 | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | 9 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | 774–911 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 1 | | – | | 15 | | – | | 1 | | – | | – | | – | | | |

Appendix A9.–Yukon River Subdistrict 4–A (Anvik) Chinook salmon subsistence gillnet harvest, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/27–28 | 8 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 75.0 | 0 | 0.0 | 0 | 0.0 | 1 | 12.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 7 | 87.5 |
| 6" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 12.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 12.5 |
| Drift Gillnet | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 75.0 | 0 | 0.0 | 1 | 12.5 | 1 | 12.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 8 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 670 | | – | | – | | 680 | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 36 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 535–770 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 6 | | – | | – | | 1 | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | 810 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | 1 | | – | | – | | – | | – | | – | | | |
| 6/28; 7/10 | 9 | Male | 0 | 0.0 | 3 | 33.3 | 0 | 0.0 | 3 | 33.3 | 0 | 0.0 | 0 | 0.0 | 1 | 11.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 7 | 77.8 |
| 6" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 11.1 | 0 | 0.0 | 1 | 11.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 22.2 |
| Set Gillnet | | Subtotal | 0 | 0.0 | 3 | 33.3 | 0 | 0.0 | 4 | 44.4 | 0 | 0.0 | 1 | 11.1 | 1 | 11.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 9 | 100.0 |
| | | Male Mean Length | – | | 558 | | – | | 703 | | – | | – | | 730 | | – | | – | | – | | – | | | |
| | | SE | – | | 2 | | – | | 24 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 555–560 | | – | | 670–750 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | 3 | | – | | 3 | | – | | – | | 1 | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 721 | | – | | 830 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 1 | | – | | 1 | | – | | – | | – | | – | | – | | | |
| Total | 17 | Male | 0 | 0.0 | 3 | 17.6 | 0 | 0.0 | 9 | 52.9 | 0 | 0.0 | 0 | 0.0 | 2 | 11.8 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 14 | 82.4 |
| 6" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 5.9 | 0 | 0.0 | 2 | 11.8 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 17.6 |
| | | Total | 0 | 0.0 | 3 | 17.6 | 0 | 0.0 | 10 | 58.8 | 0 | 0.0 | 2 | 11.8 | 2 | 11.8 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 17 | 100.0 |
| | | Male Mean Length | – | | 558 | | – | | 681 | | – | | – | | 705 | | – | | – | | – | | – | | | |
| | | SE | – | | 2 | | – | | 25 | | – | | – | | 25 | | – | | – | | – | | – | | | |
| | | Range | – | | 555–560 | | – | | 535–770 | | – | | – | | 680–730 | | – | | – | | – | | – | | | |
| | | n | – | | 3 | | – | | 9 | | – | | – | | 2 | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 721 | | – | | 820 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | 10 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | 810–830 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 1 | | – | | 2 | | – | | – | | – | | – | | – | | | |

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| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/25–26 | 8 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 75.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 75.0 |
| 7.5" Mesh Drift | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 25.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 25.0 |
| Gillnet | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 75.0 | 0 | 0.0 | 2 | 25.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 8 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 703 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 16 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 630–740 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 6 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | 820 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | 30 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | 790–850 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | 2 | | – | | – | | – | | – | | – | | | |
| 6/25–26 | 35 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 12 | 34.3 | 0 | 0.0 | 7 | 20.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 19 | 54.3 |
| 7.5" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 8 | 22.9 | 0 | 0.0 | 7 | 20.0 | 1 | 2.9 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 16 | 45.7 |
| Set Gillnet | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 20 | 57.1 | 0 | 0.0 | 14 | 40.0 | 1 | 2.9 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 35 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 722 | | – | | 809 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 8 | | – | | 14 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 680–770 | | – | | 750–870 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 12 | | – | | 7 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 740 | | – | | 886 | | 760 | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 8 | | – | | 23 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 710–780 | | – | | 780–970 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 8 | | – | | 7 | | 1 | | – | | – | | – | | – | | | |
| Total | 43 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 18 | 41.9 | 0 | 0.0 | 7 | 16.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 25 | 58.1 |
| 7.5" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 8 | 18.6 | 0 | 0.0 | 9 | 20.9 | 1 | 2.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 18 | 41.9 |
| | | Total | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 26 | 60.5 | 0 | 0.0 | 16 | 37.2 | 1 | 2.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 43 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 715 | | – | | 809 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 8 | | – | | 14 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 630–770 | | – | | 750–870 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 18 | | – | | 7 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 740 | | – | | 871 | | 760 | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 8 | | – | | 21 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 710–780 | | – | | 780–970 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 8 | | – | | 9 | | 1 | | – | | – | | – | | – | | | |

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| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| All Gear | 60 | Male | 0 | 0.0 | 3 | 5.0 | 0 | 0.0 | 27 | 45.0 | 0 | 0.0 | 7 | 11.7 | 2 | 3.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 39 | 65.0 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 9 | 15.0 | 0 | 0.0 | 11 | 18.3 | 1 | 1.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 21 | 35.0 |
| | | Total | 0 | 0.0 | 3 | 5.0 | 0 | 0.0 | 36 | 60.0 | 0 | 0.0 | 18 | 30.0 | 3 | 5.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 60 | 100.0 |
| | | Male Mean Length | – | | 558 | | – | | 704 | | – | | 809 | | 705 | | – | | – | | – | | – | | | |
| | | SE | – | | 2 | | – | | 10 | | – | | 14 | | 25 | | – | | – | | – | | – | | | |
| | | Range | – | | 555–560 | | – | | 535–770 | | – | | 750–870 | | 680–730 | | – | | – | | – | | – | | | |
| | | n | – | | 3 | | – | | 27 | | – | | 7 | | 2 | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 738 | | – | | 862 | | 760 | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 7 | | – | | 18 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 710–780 | | – | | 780–970 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 9 | | – | | 11 | | 1 | | – | | – | | – | | – | | | |

Appendix A10.–Yukon River Subdistrict 4–A (Kaltag) Chinook salmon subsistence 7.5 in mesh drift gillnet harvest, age and sex composition, and mean length (mm), 2012.

| | | | Brood Year (Age) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2009 | | 2008 | | | | 2007 | | | | 2006 | | | | 2005 | | | | 2004 | | | | |
| Sample | Sample | | (1.1) | | (1.2) | | (2.1) | | (1.3) | | (2.2) | | (1.4) | | (2.3) | | (1.5) | | (2.4) | | (1.6) | | (2.5) | | Total | |
| Dates | Size | | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| Total | 45 | Male | 0 | 0.0 | 1 | 2.2 | 0 | 0.0 | 29 | 64.4 | 0 | 0.0 | 3 | 6.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 33 | 73.3 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 12 | 26.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 12 | 26.7 |
| | | Total | 0 | 0.0 | 1 | 2.2 | 0 | 0.0 | 29 | 64.4 | 0 | 0.0 | 15 | 33.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 45 | 100.0 |
| | | Male Mean Length | – | | 552 | | – | | 724 | | – | | 853 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 7 | | – | | 22 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 660–832 | | – | | 822–896 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 1 | | – | | 29 | | – | | 3 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | 839 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | 15 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | 758–937 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | 12 | | – | | – | | – | | – | | – | | | |

Appendix A11.–Yukon River Subdistricts 4–B and 4–C (Galena) Chinook salmon subsistence gillnet harvest, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/2 | 1 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 100.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 100.0 |
| 6" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Set Gillnet | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 100.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 730 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 1 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| 6/26; 7/2–3 | 21 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 14 | 66.7 | 0 | 0.0 | 2 | 9.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 16 | 76.2 |
| 7.5" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 9.5 | 0 | 0.0 | 3 | 14.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 23.8 |
| Set Gillnet | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 16 | 76.2 | 0 | 0.0 | 5 | 23.8 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 21 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 706 | | – | | 830 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 12 | | – | | 20 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 610–760 | | – | | 810–850 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 14 | | – | | 2 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 740 | | – | | 833 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 10 | | – | | 63 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 730–750 | | – | | 770–960 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 2 | | – | | 3 | | – | | – | | – | | – | | – | | | |
| All Gear | 22 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 15 | 68.2 | 0 | 0.0 | 2 | 9.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 17 | 77.3 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 9.1 | 0 | 0.0 | 3 | 13.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 22.7 |
| | | Total | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 17 | 77.3 | 0 | 0.0 | 5 | 22.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 22 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 708 | | – | | 830 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 11 | | – | | 20 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 610–760 | | – | | 810–850 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 15 | | – | | 2 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 740 | | – | | 833 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 10 | | – | | 63 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 730–750 | | – | | 770–960 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 2 | | – | | 3 | | – | | – | | – | | – | | – | | | |

Appendix A12.–Yukon River Subdistricts 4–B and 4–C (Ruby) Chinook salmon subsistence 7.5 in mesh set gillnet harvest, age and sex composition, and mean length (mm), 2012.

| | | | Brood Year (Age) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2009 | | 2008 | | | | 2007 | | | | 2006 | | | | 2005 | | | | 2004 | | | | |
| Sample | Sample | | (1.1) | | (1.2) | | (2.1) | | (1.3) | | (2.2) | | (1.4) | | (2.3) | | (1.5) | | (2.4) | | (1.6) | | (2.5) | | Total | |
| Dates | Size | | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| Total | 32 | Male | 0 | 0.0 | 6 | 18.8 | 0 | 0.0 | 20 | 62.5 | 0 | 0.0 | 1 | 3.1 | 0 | 0.0 | 0 | 0.0 | 1 | 3.1 | 0 | 0.0 | 0 | 0.0 | 28 | 87.5 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 3.1 | 0 | 0.0 | 3 | 9.4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 12.5 |
| | | Total | 0 | 0.0 | 6 | 18.8 | 0 | 0.0 | 21 | 65.6 | 0 | 0.0 | 4 | 12.5 | 0 | 0.0 | 0 | 0.0 | 1 | 3.1 | 0 | 0.0 | 0 | 0.0 | 32 | 100.0 |
| | | Male Mean Length | | – | | 611 | | – | | 694 | | – | | 797 | | – | | – | | 730 | | – | | – | | |
| | | SE | | – | | 17 | | – | | 7 | | – | | – | | – | | – | | – | | – | | – | | |
| | | Range | | – | | 550–655 | | – | | 620–740 | | – | | – | | – | | – | | – | | – | | – | | |
| | | n | | – | | 6 | | – | | 20 | | – | | 1 | | – | | – | | 1 | | – | | – | | |
| | | Female Mean Length | | – | | – | | – | | 750 | | – | | 813 | | – | | – | | – | | – | | – | | |
| | | SE | | – | | – | | – | | – | | – | | 14 | | – | | – | | – | | – | | – | | |
| | | Range | | – | | – | | – | | – | | – | | 790–839 | | – | | – | | – | | – | | – | | |
| | | n | | – | | – | | – | | 1 | | – | | 3 | | – | | – | | – | | – | | – | | |

Appendix A13.–Yukon River Subdistrict 5–B (Rampart Rapids) Chinook salmon subsistence harvest, sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | N | % |
|---|---|---|---|---|
| 7/19, 28 | 7 | Male | 5 | 71.4 |
| 4" Mesh Set Gillnet | | Female | 2 | 28.6 |
| | | Subtotal | 7 | 100.0 |
| | | Male Mean | 538 | |
| | | SE | 26 | |
| | | Range | 470–605 | |
| | | n | 5 | |
| | | Female Mean | 815 | |
| | | SE | 35 | |
| | | Range | 780–850 | |
| | | n | 2 | |
| 7/5, 19, 22 | 17 | Male | 14 | 82.4 |
| 5" Mesh Set Gillnet | | Female | 3 | 17.6 |
| | | Subtotal | 17 | 100.0 |
| | | Male Mean | 559 | |
| | | SE | 13 | |
| | | Range | 425–630 | |
| | | n | 14 | |
| | | Female Mean | 788 | |
| | | SE | 40 | |
| | | Range | 710–845 | |
| | | n | 3 | |
| 7/4, 20, 22, 28 | 26 | Male | 16 | 61.5 |
| 7" Mesh Set Gillnet | | Female | 10 | 38.5 |
| | | Subtotal | 26 | 100.0 |
| | | Male Mean | 748 | |
| | | SE | 18 | |
| | | Range | 595–940 | |
| | | n | 16 | |
| | | Female Mean | 803 | |
| | | SE | 21 | |
| | | Range | 730–930 | |
| | | n | 10 | |
| 6/27, 30; 7/1, 19, 29 | 38 | Male | 22 | 57.9 |
| 7.5" Mesh Set Gillnet | | Female | 16 | 42.1 |
| | | Subtotal | 38 | 100.0 |
| | | Male Mean | 754 | |
| | | SE | 16 | |
| | | Range | 560–900 | |
| | | n | 22 | |
| | | Female Mean | 834 | |
| | | SE | 11 | |
| | | Range | 755–920 | |

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Appendix A13.–Page 2 of 2.

| Sample Dates | Sample Size | | N | % |
|---|---|---|---|---|
| 6/27–7/2, 4–6, 19–20, 28–29; 8/3–5 Fish Wheel | 356 | Male | 243 | 68.3 |
| | | Female | 113 | 31.7 |
| | | Subtotal | 356 | 100.0 |
| | | Male Mean Length | 712 | |
| | | SE | 7 | |
| | | Range | 360–990 | |
| | | n | 243 | |
| | | Female Mean Length | 852 | |
| | | SE | 5 | |
| | | Range | 690–1,035 | |
| | | n | 113 | |
| All Gear | 444 | Male | 300 | 67.6 |
| | | Female | 144 | 32.4 |
| | | Total | 444 | 100.0 |
| | | Male Mean Length | 707 | |
| | | SE | 6 | |
| | | Range | 360–990 | |
| | | n | 300 | |
| | | Female Mean Length | 845 | |
| | | SE | 5 | |
| | | Range | 690–1,035 | |
| | | n | 144 | |

Appendix A14.–Yukon River Subdistrict 5–D (Fort Yukon) Chinook salmon subsistence fish wheel harvest, age and sex composition, and mean length (mm), 2012.

| | | | Brood Year (Age) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2009 | | 2008 | | | | 2007 | | | | 2006 | | | | 2005 | | | | 2004 | | | | |
| Sample | Sample | | (1.1) | | (1.2) | | (2.1) | | (1.3) | | (2.2) | | (1.4) | | (2.3) | | (1.5) | | (2.4) | | (1.6) | | (2.5) | | Total | |
| Dates | Size | | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| Total | 160 | Male | 1 | 0.6 | 14 | 8.8 | 0 | 0.0 | 70 | 43.8 | 1 | 0.6 | 20 | 12.5 | 5 | 3.1 | 0 | 0.0 | 1 | 0.6 | 0 | 0.0 | 0 | 0.0 | 112 | 70.0 |
| | | Female | 0 | 0.0 | 1 | 0.6 | 0 | 0.0 | 11 | 6.9 | 0 | 0.0 | 34 | 21.3 | 0 | 0.0 | 1 | 0.6 | 1 | 0.6 | 0 | 0.0 | 0 | 0.0 | 48 | 30.0 |
| | | Total | 1 | 0.6 | 15 | 9.4 | 0 | 0.0 | 81 | 50.6 | 1 | 0.6 | 54 | 33.8 | 5 | 3.1 | 1 | 0.6 | 2 | 1.3 | 0 | 0.0 | 0 | 0.0 | 160 | 100.0 |
| | | Male Mean Length | 370 | | 546 | | – | | 703 | | 660 | | 823 | | 690 | | – | | 720 | | – | | – | | | |
| | | SE | – | | 12 | | – | | 7 | | – | | 12 | | 51 | | – | | – | | – | | – | | | |
| | | Range | – | | 445–620 | | – | | 540–930 | | – | | 740–945 | | 570–880 | | – | | – | | – | | – | | | |
| | | n | 1 | | 14 | | – | | 70 | | 1 | | 20 | | 5 | | – | | 1 | | – | | – | | | |
| | | Female Mean Length | – | | 640 | | – | | 700 | | – | | 850 | | – | | 900 | | 950 | | – | | – | | | |
| | | SE | – | | – | | – | | 15 | | – | | 6 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 630–770 | | – | | 780–920 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 1 | | – | | 11 | | – | | 34 | | – | | 1 | | 1 | | – | | – | | | |

Appendix A15.–Lower Yukon River test fishery (Big Eddy site) Chinook salmon 8.25 in mesh drift gillnet, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/13–20 | 85 | Male | 0 | 0.0 | 2 | 2.4 | 0 | 0.0 | 26 | 30.6 | 1 | 1.2 | 13 | 15.3 | 0 | 0.0 | 0 | 0.0 | 2 | 2.4 | 0 | 0.0 | 0 | 0.0 | 44 | 51.8 |
| stratum 1 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 7 | 8.2 | 0 | 0.0 | 33 | 38.8 | 0 | 0.0 | 0 | 0.0 | 1 | 1.2 | 0 | 0.0 | 0 | 0.0 | 41 | 48.2 |
| | | Subtotal | 0 | 0.0 | 2 | 2.4 | 0 | 0.0 | 33 | 38.8 | 1 | 1.2 | 46 | 54.1 | 0 | 0.0 | 0 | 0.0 | 3 | 3.5 | 0 | 0.0 | 0 | 0.0 | 85 | 100.0 |
| | | Male Mean Length | | – | | 564 | | – | | 713 | | 569 | | 805 | | – | | – | | 818 | | – | | – | | |
| | | SE | | – | | 3 | | – | | 9 | | – | | 11 | | – | | – | | 23 | | – | | – | | |
| | | Range | | – | | 561–566 | | – | | 639–797 | | – | | 759–880 | | – | | – | | 795–841 | | – | | – | | |
| | | n | | – | | 2 | | – | | 26 | | 1 | | 13 | | – | | – | | 2 | | – | | – | | |
| | | Female Mean Length | | – | | – | | – | | 786 | | – | | 836 | | – | | – | | 814 | | – | | – | | |
| | | SE | | – | | – | | – | | 16 | | – | | 8 | | – | | – | | – | | – | | – | | |
| | | Range | | – | | – | | – | | 706–837 | | – | | 761–935 | | – | | – | | – | | – | | – | | |
| | | n | | – | | – | | – | | 7 | | – | | 33 | | – | | – | | 1 | | – | | – | | |
| 6/21–26 | 64 | Male | 0 | 0.0 | 2 | 3.1 | 0 | 0.0 | 14 | 21.9 | 0 | 0.0 | 7 | 10.9 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 23 | 35.9 |
| stratum 2 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 7.8 | 0 | 0.0 | 35 | 54.7 | 0 | 0.0 | 0 | 0.0 | 1 | 1.6 | 0 | 0.0 | 0 | 0.0 | 41 | 64.1 |
| | | Subtotal | 0 | 0.0 | 2 | 3.1 | 0 | 0.0 | 19 | 29.7 | 0 | 0.0 | 42 | 65.6 | 0 | 0.0 | 0 | 0.0 | 1 | 1.6 | 0 | 0.0 | 0 | 0.0 | 64 | 100.0 |
| | | Male Mean Length | | – | | 578 | | – | | 704 | | – | | 807 | | – | | – | | – | | – | | – | | |
| | | SE | | – | | 3 | | – | | 14 | | – | | 25 | | – | | – | | – | | – | | – | | |
| | | Range | | – | | 575–581 | | – | | 606–769 | | – | | 688–879 | | – | | – | | – | | – | | – | | |
| | | n | | – | | 2 | | – | | 14 | | – | | 7 | | – | | – | | – | | – | | – | | |
| | | Female Mean Length | | – | | – | | – | | 802 | | – | | 823 | | – | | – | | 818 | | – | | – | | |
| | | SE | | – | | – | | – | | 15 | | – | | 8 | | – | | – | | – | | – | | – | | |
| | | Range | | – | | – | | – | | 747–824 | | – | | 753–899 | | – | | – | | – | | – | | – | | |
| | | n | | – | | – | | – | | 5 | | – | | 35 | | – | | – | | 1 | | – | | – | | |

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| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/27–7/6, 8, 10–13 stratum 3 | 70 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 12 | 17.1 | 0 | 0.0 | 6 | 8.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 18 | 25.7 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 7.1 | 0 | 0.0 | 47 | 67.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 52 | 74.3 |
| | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 17 | 24.3 | 0 | 0.0 | 53 | 75.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 70 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 735 | | – | | 846 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 19 | | – | | 11 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 618–850 | | – | | 799–871 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 12 | | – | | 6 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 787 | | – | | 839 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 11 | | – | | 6 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 755–816 | | – | | 757–943 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 5 | | – | | 47 | | – | | – | | – | | – | | – | | | |
| Total | 219 | Male | 0 | 0.0 | 4 | 1.8 | 0 | 0.0 | 52 | 23.7 | 1 | 0.5 | 26 | 11.9 | 0 | 0.0 | 0 | 0.0 | 2 | 0.9 | 0 | 0.0 | 0 | 0.0 | 85 | 38.8 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 17 | 7.8 | 0 | 0.0 | 115 | 52.5 | 0 | 0.0 | 0 | 0.0 | 2 | 0.9 | 0 | 0.0 | 0 | 0.0 | 134 | 61.2 |
| | | Total | 0 | 0.0 | 4 | 1.8 | 0 | 0.0 | 69 | 31.5 | 1 | 0.5 | 141 | 64.4 | 0 | 0.0 | 0 | 0.0 | 4 | 1.8 | 0 | 0.0 | 0 | 0.0 | 219 | 100.0 |
| | | Male Mean Length | – | | 571 | | – | | 716 | | 569 | | 815 | | – | | – | | 818 | | – | | – | | | |
| | | SE | – | | 4 | | – | | 7 | | – | | 9 | | – | | – | | 23 | | – | | – | | | |
| | | Range | – | | 561–581 | | – | | 606–850 | | – | | 688–880 | | – | | – | | 795–841 | | – | | – | | | |
| | | n | – | | 4 | | – | | 52 | | 1 | | 26 | | – | | – | | 2 | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 791 | | – | | 833 | | – | | – | | 816 | | – | | – | | | |
| | | SE | – | | – | | – | | 8 | | – | | 4 | | – | | – | | 2 | | – | | – | | | |
| | | Range | – | | – | | – | | 706–837 | | – | | 753–943 | | – | | – | | 814–818 | | – | | – | | | |
| | | n | – | | – | | – | | 17 | | – | | 115 | | – | | – | | 2 | | – | | – | | | |

Appendix A16.–Lower Yukon River test fishery (Big Eddy site) Chinook salmon 8.5 in mesh set gillnet, age and sex composition, and mean length (mm), 2012.

| | | | Brood Year (Age) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2009 | | 2008 | | | | 2007 | | | | 2006 | | | | 2005 | | | | 2004 | | | | |
| Sample | Sample | | (1.1) | | (1.2) | | (2.1) | | (1.3) | | (2.2) | | (1.4) | | (2.3) | | (1.5) | | (2.4) | | (1.6) | | (2.5) | | Total | |
| Dates | Size | | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| 6/11, 13–25 | 195 | Male | 0 | 0.0 | 4 | 2.1 | 0 | 0.0 | 37 | 19.0 | 0 | 0.0 | 41 | 21.0 | 0 | 0.0 | 1 | 0.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 83 | 42.6 |
| Quartile 1 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 7 | 3.6 | 0 | 0.0 | 102 | 52.3 | 0 | 0.0 | 2 | 1.0 | 1 | 0.5 | 0 | 0.0 | 0 | 0.0 | 112 | 57.4 |
| | | Subtotal | 0 | 0.0 | 4 | 2.1 | 0 | 0.0 | 44 | 22.6 | 0 | 0.0 | 143 | 73.3 | 0 | 0.0 | 3 | 1.5 | 1 | 0.5 | 0 | 0.0 | 0 | 0.0 | 195 | 100.0 |
| | | Male Mean Length | – | | 567 | | – | | 732 | | – | | 821 | | – | | 822 | | – | | – | | – | | | |
| | | SE | – | | 19 | | – | | 10 | | – | | 8 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 511–595 | | – | | 597–816 | | – | | 735–996 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 4 | | – | | 37 | | – | | 41 | | – | | 1 | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 785 | | – | | 841 | | – | | 907 | | 827 | | – | | – | | | |
| | | SE | – | | – | | – | | 7 | | – | | 4 | | – | | 2 | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 757–812 | | – | | 772–949 | | – | | 905–909 | | – | | – | | – | | | |
| | | n | – | | – | | – | | 7 | | – | | 102 | | – | | 2 | | 1 | | – | | – | | | |
| 6/26–7/1 | 147 | Male | 0 | 0.0 | 1 | 0.7 | 0 | 0.0 | 29 | 19.7 | 0 | 0.0 | 25 | 17.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 55 | 37.4 |
| Quartile 2 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 9 | 6.1 | 0 | 0.0 | 77 | 52.4 | 0 | 0.0 | 4 | 2.7 | 2 | 1.4 | 0 | 0.0 | 0 | 0.0 | 92 | 62.6 |
| | | Subtotal | 0 | 0.0 | 1 | 0.7 | 0 | 0.0 | 38 | 25.9 | 0 | 0.0 | 102 | 69.4 | 0 | 0.0 | 4 | 2.7 | 2 | 1.4 | 0 | 0.0 | 0 | 0.0 | 147 | 100.0 |
| | | Male Mean Length | – | | 597 | | – | | 764 | | – | | 826 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 8 | | – | | 9 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 672–868 | | – | | 745–902 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 1 | | – | | 29 | | – | | 25 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 803 | | – | | 843 | | – | | 877 | | 755 | | – | | – | | | |
| | | SE | – | | – | | – | | 8 | | – | | 4 | | – | | 9 | | 4 | | – | | – | | | |
| | | Range | – | | – | | – | | 771–847 | | – | | 749–928 | | – | | 854–900 | | 751–759 | | – | | – | | | |
| | | n | – | | – | | – | | 9 | | – | | 77 | | – | | 4 | | 2 | | – | | – | | | |
| 7/2, 4 | 2 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Quartile 3 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 100.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 100.0 |
| | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 100.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 100.0 |
| | | Male Mean Length | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | 814 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | 64 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | 750–877 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | 2 | | – | | – | | – | | – | | – | | | |

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Appendix A16.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/8–9 | 2 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 50.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 50.0 |
| Quartile 4 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 50.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 50.0 |
| | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 100.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 679 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 1 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 777 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 1 | | – | | – | | – | | – | | – | | – | | – | | | |
| Total | 346 | Male | 0 | 0.0 | 5 | 1.4 | 0 | 0.0 | 67 | 19.4 | 0 | 0.0 | 66 | 19.1 | 0 | 0.0 | 1 | 0.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 139 | 40.2 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 17 | 4.9 | 0 | 0.0 | 181 | 52.3 | 0 | 0.0 | 6 | 1.7 | 3 | 0.9 | 0 | 0.0 | 0 | 0.0 | 207 | 59.8 |
| | | Total | 0 | 0.0 | 5 | 1.4 | 0 | 0.0 | 84 | 24.3 | 0 | 0.0 | 247 | 71.4 | 0 | 0.0 | 7 | 2.0 | 3 | 0.9 | 0 | 0.0 | 0 | 0.0 | 346 | 100.0 |
| | | Male Mean Length | – | | 573 | | – | | 745 | | – | | 823 | | – | | 822 | | – | | – | | – | | | |
| | | SE | – | | 16 | | – | | 7 | | – | | 6 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 511–597 | | – | | 597–868 | | – | | 735–996 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 5 | | – | | 67 | | – | | 66 | | – | | 1 | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 794 | | – | | 842 | | – | | 887 | | 779 | | – | | – | | | |
| | | SE | – | | – | | – | | 6 | | – | | 3 | | – | | 9 | | 24 | | – | | – | | | |
| | | Range | – | | – | | – | | 757–847 | | – | | 749–949 | | – | | 854–909 | | 751–827 | | – | | – | | | |
| | | n | – | | – | | – | | 17 | | – | | 181 | | – | | 6 | | 3 | | – | | – | | | |

Appendix A17.–Lower Yukon River test fishery (Middle Mouth site) Chinook salmon 8.5 in mesh set gillnet, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/13–14, 16– | 101 | Male | 0 | 0.0 | 2 | 2.0 | 0 | 0.0 | 27 | 26.7 | 0 | 0.0 | 20 | 19.8 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 49 | 48.5 |
| Quartile 1 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 5.0 | 0 | 0.0 | 46 | 45.5 | 0 | 0.0 | 0 | 0.0 | 1 | 1.0 | 0 | 0.0 | 0 | 0.0 | 52 | 51.5 |
| | | Subtotal | 0 | 0.0 | 2 | 2.0 | 0 | 0.0 | 32 | 31.7 | 0 | 0.0 | 66 | 65.3 | 0 | 0.0 | 0 | 0.0 | 1 | 1.0 | 0 | 0.0 | 0 | 0.0 | 101 | 100.0 |
| | | Male Mean Length | – | | 559 | | – | | 750 | | – | | 808 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 8 | | – | | 13 | | – | | 8 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 551–567 | | – | | 610–852 | | – | | 740–878 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 2 | | – | | 27 | | – | | 20 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 788 | | – | | 834 | | – | | – | | 834 | | – | | – | | | |
| | | SE | – | | – | | – | | 9 | | – | | 5 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 759–815 | | – | | 773–896 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 5 | | – | | 46 | | – | | – | | 1 | | – | | – | | | |
| 6/26–7/1 | 114 | Male | 0 | 0.0 | 1 | 0.9 | 0 | 0.0 | 19 | 16.7 | 0 | 0.0 | 18 | 15.8 | 0 | 0.0 | 1 | 0.9 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 39 | 34.2 |
| Quartile 2 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 16 | 14.0 | 0 | 0.0 | 57 | 50.0 | 0 | 0.0 | 0 | 0.0 | 2 | 1.8 | 0 | 0.0 | 0 | 0.0 | 75 | 65.8 |
| | | Subtotal | 0 | 0.0 | 1 | 0.9 | 0 | 0.0 | 35 | 30.7 | 0 | 0.0 | 75 | 65.8 | 0 | 0.0 | 1 | 0.9 | 2 | 1.8 | 0 | 0.0 | 0 | 0.0 | 114 | 100.0 |
| | | Male Mean Length | – | | 548 | | – | | 753 | | – | | 807 | | – | | 949 | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 12 | | – | | 11 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 626–864 | | – | | 762–900 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 1 | | – | | 19 | | – | | 18 | | – | | 1 | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 793 | | – | | 843 | | – | | – | | 855 | | – | | – | | | |
| | | SE | – | | – | | – | | 11 | | – | | 4 | | – | | – | | 2 | | – | | – | | | |
| | | Range | – | | – | | – | | 656–846 | | – | | 770–905 | | – | | – | | 853–857 | | – | | – | | | |
| | | n | – | | – | | – | | 16 | | – | | 57 | | – | | – | | 2 | | – | | – | | | |
| 7/2–6 | 123 | Male | 0 | 0.0 | 2 | 1.6 | 0 | 0.0 | 28 | 22.8 | 0 | 0.0 | 12 | 9.8 | 0 | 0.0 | 1 | 0.8 | 1 | 0.8 | 0 | 0.0 | 0 | 0.0 | 44 | 35.8 |
| Quartile 3 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 16 | 13.0 | 0 | 0.0 | 63 | 51.2 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 79 | 64.2 |
| | | Subtotal | 0 | 0.0 | 2 | 1.6 | 0 | 0.0 | 44 | 35.8 | 0 | 0.0 | 75 | 61.0 | 0 | 0.0 | 1 | 0.8 | 1 | 0.8 | 0 | 0.0 | 0 | 0.0 | 123 | 100.0 |
| | | Male Mean Length | – | | 501 | | – | | 759 | | – | | 808 | | – | | 945 | | 830 | | – | | – | | | |
| | | SE | – | | 50 | | – | | 11 | | – | | 17 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 451–551 | | – | | 619–883 | | – | | 736–925 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 2 | | – | | 28 | | – | | 12 | | – | | 1 | | 1 | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 807 | | – | | 838 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 7 | | – | | 5 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 759–855 | | – | | 751–929 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 16 | | – | | 63 | | – | | – | | – | | – | | – | | | |

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Appendix A17.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/7–15 | 123 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 20 | 16.3 | 0 | 0.0 | 11 | 8.9 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 31 | 25.2 |
| Quartile 4 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 26 | 21.1 | 0 | 0.0 | 64 | 52.0 | 0 | 0.0 | 1 | 0.8 | 1 | 0.8 | 0 | 0.0 | 0 | 0.0 | 92 | 74.8 |
| | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 46 | 37.4 | 0 | 0.0 | 75 | 61.0 | 0 | 0.0 | 1 | 0.8 | 1 | 0.8 | 0 | 0.0 | 0 | 0.0 | 123 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 803 | | – | | 824 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 9 | | – | | 14 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 714–872 | | – | | 770–930 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 20 | | – | | 11 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 800 | | – | | 845 | | – | | 924 | | 853 | | – | | – | | | |
| | | SE | – | | – | | – | | 5 | | – | | 4 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 753–845 | | – | | 764–923 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 26 | | – | | 64 | | – | | 1 | | 1 | | – | | – | | | |
| Total | 461 | Male | 0 | 0.0 | 5 | 1.1 | 0 | 0.0 | 94 | 20.4 | 0 | 0.0 | 61 | 13.2 | 0 | 0.0 | 2 | 0.4 | 1 | 0.2 | 0 | 0.0 | 0 | 0.0 | 163 | 35.4 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 63 | 13.7 | 0 | 0.0 | 230 | 49.9 | 0 | 0.0 | 1 | 0.2 | 4 | 0.9 | 0 | 0.0 | 0 | 0.0 | 298 | 64.6 |
| | | Total | 0 | 0.0 | 5 | 1.1 | 0 | 0.0 | 157 | 34.1 | 0 | 0.0 | 291 | 63.1 | 0 | 0.0 | 3 | 0.7 | 5 | 1.1 | 0 | 0.0 | 0 | 0.0 | 461 | 100.0 |
| | | Male Mean Length | – | | 534 | | – | | 765 | | – | | 810 | | – | | 947 | | 830 | | – | | – | | | |
| | | SE | – | | 21 | | – | | 6 | | – | | 6 | | – | | 2 | | – | | – | | – | | | |
| | | Range | – | | 451–567 | | – | | 610–883 | | – | | 736–930 | | – | | 945–949 | | – | | – | | – | | | |
| | | n | – | | 5 | | – | | 94 | | – | | 61 | | – | | 2 | | 1 | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 799 | | – | | 840 | | – | | 924 | | 849 | | – | | – | | | |
| | | SE | – | | – | | – | | 4 | | – | | 2 | | – | | – | | 5 | | – | | – | | | |
| | | Range | – | | – | | – | | 656–855 | | – | | 751–929 | | – | | – | | 834–857 | | – | | – | | | |
| | | n | – | | – | | – | | 63 | | – | | 230 | | – | | 1 | | 4 | | – | | – | | | |

Appendix A18.–Lower Yukon River test fishery (combined Big Eddy and Middle Mouth sites) Chinook salmon 8.5 in mesh set gillnet, age and sex composition, and mean length (mm), 2012.

| | | | Brood Year (Age) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2009 | | 2008 | | | | 2007 | | | | 2006 | | | | 2005 | | | | 2004 | | | | |
| Sample | Sample | | (1.1) | | (1.2) | | (2.1) | | (1.3) | | (2.2) | | (1.4) | | (2.3) | | (1.5) | | (2.4) | | (1.6) | | (2.5) | | Total | |
| Dates | Size | | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| 6/11, 13–25 | 296 | Male | 0 | 0.0 | 6 | 2.0 | 0 | 0.0 | 64 | 21.6 | 0 | 0.0 | 61 | 20.6 | 0 | 0.0 | 1 | 0.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 132 | 44.6 |
| Quartile 1 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 12 | 4.1 | 0 | 0.0 | 148 | 50.0 | 0 | 0.0 | 2 | 0.7 | 2 | 0.7 | 0 | 0.0 | 0 | 0.0 | 164 | 55.4 |
| | | Subtotal | 0 | 0.0 | 6 | 2.0 | 0 | 0.0 | 76 | 25.7 | 0 | 0.0 | 209 | 70.6 | 0 | 0.0 | 3 | 1.0 | 2 | 0.7 | 0 | 0.0 | 0 | 0.0 | 296 | 100.0 |
| | | Male Mean Length | | – | | 565 | | – | | 740 | | – | | 816 | | – | | 822 | | – | | – | | – | | |
| | | SE | | – | | 13 | | – | | 8 | | – | | 6 | | – | | – | | – | | – | | – | | |
| | | Range | | – | | 511–595 | | – | | 597–852 | | – | | 735–996 | | – | | – | | – | | – | | – | | |
| | | n | | – | | 6 | | – | | 64 | | – | | 61 | | – | | 1 | | – | | – | | – | | |
| | | Female Mean Length | | – | | – | | – | | 786 | | – | | 839 | | – | | 907 | | 831 | | – | | – | | |
| | | SE | | – | | – | | – | | 6 | | – | | 3 | | – | | 2 | | 4 | | – | | – | | |
| | | Range | | – | | – | | – | | 757–815 | | – | | 772–949 | | – | | 905–909 | | 827–834 | | – | | – | | |
| | | n | | – | | – | | – | | 12 | | – | | 148 | | – | | 2 | | 2 | | – | | – | | |
| 6/26–7/1 | 261 | Male | 0 | 0.0 | 2 | 0.8 | 0 | 0.0 | 48 | 18.4 | 0 | 0.0 | 43 | 16.5 | 0 | 0.0 | 1 | 0.4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 94 | 36.0 |
| Quartile 2 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 25 | 9.6 | 0 | 0.0 | 134 | 51.3 | 0 | 0.0 | 4 | 1.5 | 4 | 1.5 | 0 | 0.0 | 0 | 0.0 | 167 | 64.0 |
| | | Subtotal | 0 | 0.0 | 2 | 0.8 | 0 | 0.0 | 73 | 28.0 | 0 | 0.0 | 177 | 67.8 | 0 | 0.0 | 5 | 1.9 | 4 | 1.5 | 0 | 0.0 | 0 | 0.0 | 261 | 100.0 |
| | | Male Mean Length | | – | | 573 | | – | | 759 | | – | | 818 | | – | | 949 | | – | | – | | – | | |
| | | SE | | – | | 25 | | – | | 7 | | – | | 7 | | – | | – | | – | | – | | – | | |
| | | Range | | – | | 548–597 | | – | | 626–868 | | – | | 745–902 | | – | | – | | – | | – | | – | | |
| | | n | | – | | 2 | | – | | 48 | | – | | 43 | | – | | 1 | | – | | – | | – | | |
| | | Female Mean Length | | – | | – | | – | | 797 | | – | | 843 | | – | | 877 | | 805 | | – | | – | | |
| | | SE | | – | | – | | – | | 7 | | – | | 3 | | – | | 9 | | 29 | | – | | – | | |
| | | Range | | – | | – | | – | | 656–847 | | – | | 749–928 | | – | | 854–900 | | 751–857 | | – | | – | | |
| | | n | | – | | – | | – | | 25 | | – | | 134 | | – | | 4 | | 4 | | – | | – | | |
| 7/2–6 | 125 | Male | 0 | 0.0 | 2 | 1.6 | 0 | 0.0 | 28 | 22.4 | 0 | 0.0 | 12 | 9.6 | 0 | 0.0 | 1 | 0.8 | 1 | 0.8 | 0 | 0.0 | 0 | 0.0 | 44 | 35.2 |
| Quartile 3 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 16 | 12.8 | 0 | 0.0 | 65 | 52.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 81 | 64.8 |
| | | Subtotal | 0 | 0.0 | 2 | 1.6 | 0 | 0.0 | 44 | 35.2 | 0 | 0.0 | 77 | 61.6 | 0 | 0.0 | 1 | 0.8 | 1 | 0.8 | 0 | 0.0 | 0 | 0.0 | 125 | 100.0 |
| | | Male Mean Length | | – | | 501 | | – | | 759 | | – | | 808 | | – | | 945 | | 830 | | – | | – | | |
| | | SE | | – | | 50 | | – | | 11 | | – | | 17 | | – | | – | | – | | – | | – | | |
| | | Range | | – | | 451–551 | | – | | 619–883 | | – | | 736–925 | | – | | – | | – | | – | | – | | |
| | | n | | – | | 2 | | – | | 28 | | – | | 12 | | – | | 1 | | 1 | | – | | – | | |
| | | Female Mean Length | | – | | – | | – | | 807 | | – | | 837 | | – | | – | | – | | – | | – | | |
| | | SE | | – | | – | | – | | 7 | | – | | 5 | | – | | – | | – | | – | | – | | |
| | | Range | | – | | – | | – | | 759–855 | | – | | 750–929 | | – | | – | | – | | – | | – | | |
| | | n | | – | | – | | – | | 16 | | – | | 65 | | – | | – | | – | | – | | – | | |

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Appendix A18.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/7–15 | 125 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 21 | 16.8 | 0 | 0.0 | 11 | 8.8 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 32 | 25.6 |
| Quartile 4 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 27 | 21.6 | 0 | 0.0 | 64 | 51.2 | 0 | 0.0 | 1 | 0.8 | 1 | 0.8 | 0 | 0.0 | 0 | 0.0 | 93 | 74.4 |
| | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 48 | 38.4 | 0 | 0.0 | 75 | 60.0 | 0 | 0.0 | 1 | 0.8 | 1 | 0.8 | 0 | 0.0 | 0 | 0.0 | 125 | 100.0 |
| | | Male Mean Length | | – | | – | | – | | 797 | | – | | 824 | | – | | – | | – | | – | | – | | |
| | | SE | | – | | – | | – | | 11 | | – | | 14 | | – | | – | | – | | – | | – | | |
| | | Range | | – | | – | | – | | 679–872 | | – | | 770–930 | | – | | – | | – | | – | | – | | |
| | | n | | – | | – | | – | | 21 | | – | | 11 | | – | | – | | – | | – | | – | | |
| | | Female Mean Length | | – | | – | | – | | 799 | | – | | 845 | | – | | 924 | | 853 | | – | | – | | |
| | | SE | | – | | – | | – | | 5 | | – | | 4 | | – | | – | | – | | – | | – | | |
| | | Range | | – | | – | | – | | 753–845 | | – | | 764–923 | | – | | – | | – | | – | | – | | |
| | | n | | – | | – | | – | | 27 | | – | | 64 | | – | | 1 | | 1 | | – | | – | | |
| Total | 807 | Male | 0 | 0.0 | 10 | 1.2 | 0 | 0.0 | 161 | 20.0 | 0 | 0.0 | 127 | 15.7 | 0 | 0.0 | 3 | 0.4 | 1 | 0.1 | 0 | 0.0 | 0 | 0.0 | 302 | 37.4 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 80 | 9.9 | 0 | 0.0 | 411 | 50.9 | 0 | 0.0 | 7 | 0.9 | 7 | 0.9 | 0 | 0.0 | 0 | 0.0 | 505 | 62.6 |
| | | Total | 0 | 0.0 | 10 | 1.2 | 0 | 0.0 | 241 | 29.9 | 0 | 0.0 | 538 | 66.7 | 0 | 0.0 | 10 | 1.2 | 8 | 1.0 | 0 | 0.0 | 0 | 0.0 | 807 | 100.0 |
| | | Male Mean Length | | – | | 553 | | – | | 756 | | – | | 817 | | – | | 905 | | 830 | | – | | – | | |
| | | SE | | – | | 14 | | – | | 5 | | – | | 4 | | – | | 42 | | – | | – | | – | | |
| | | Range | | – | | 451–597 | | – | | 597–883 | | – | | 735–996 | | – | | 822–949 | | – | | – | | – | | |
| | | n | | – | | 10 | | – | | 161 | | – | | 127 | | – | | 3 | | 1 | | – | | – | | |
| | | Female Mean Length | | – | | – | | – | | 798 | | – | | 841 | | – | | 892 | | 819 | | – | | – | | |
| | | SE | | – | | – | | – | | 3 | | – | | 2 | | – | | 9 | | 17 | | – | | – | | |
| | | Range | | – | | – | | – | | 656–855 | | – | | 749–949 | | – | | 854–924 | | 751–857 | | – | | – | | |
| | | n | | – | | – | | – | | 80 | | – | | 411 | | – | | 7 | | 7 | | – | | – | | |

Appendix A19.–Yukon River Mountain Village test fishery Chinook salmon 7.5 in mesh drift gillnet, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/10–11, 13, 15–21 Quartile 1 | 99 | Male | 0 | 0.0 | 2 | 2.0 | 0 | 0.0 | 43 | 43.4 | 0 | 0.0 | 16 | 16.2 | 0 | 0.0 | 1 | 1.0 | 2 | 2.0 | 0 | 0.0 | 0 | 0.0 | 64 | 64.6 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 6.1 | 0 | 0.0 | 26 | 26.3 | 0 | 0.0 | 0 | 0.0 | 2 | 2.0 | 0 | 0.0 | 1 | 1.0 | 35 | 35.4 |
| | | Subtotal | 0 | 0.0 | 2 | 2.0 | 0 | 0.0 | 49 | 49.5 | 0 | 0.0 | 42 | 42.4 | 0 | 0.0 | 1 | 1.0 | 4 | 4.0 | 0 | 0.0 | 1 | 1.0 | 99 | 100.0 |
| | | Male Mean Length | – | | 600 | | – | | 707 | | – | | 791 | | – | | 984 | | 801 | | – | | – | | | |
| | | SE | – | | 11 | | – | | 5 | | – | | 7 | | – | | – | | 46 | | – | | – | | | |
| | | Range | – | | 589–610 | | – | | 590–761 | | – | | 730–835 | | – | | – | | 755–847 | | – | | – | | | |
| | | n | – | | 2 | | – | | 43 | | – | | 16 | | – | | 1 | | 2 | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 781 | | – | | 836 | | – | | – | | 793 | | – | | 864 | | | |
| | | SE | – | | – | | – | | 26 | | – | | 9 | | – | | – | | 11 | | – | | – | | | |
| | | Range | – | | – | | – | | 702–850 | | – | | 750–909 | | – | | – | | 782–804 | | – | | – | | | |
| | | n | – | | – | | – | | 6 | | – | | 26 | | – | | – | | 2 | | – | | 1 | | | |
| 6/22–26 Quartile 2 | 92 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 41 | 44.6 | 0 | 0.0 | 20 | 21.7 | 0 | 0.0 | 0 | 0.0 | 1 | 1.1 | 0 | 0.0 | 0 | 0.0 | 62 | 67.4 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 4.3 | 0 | 0.0 | 25 | 27.2 | 0 | 0.0 | 0 | 0.0 | 1 | 1.1 | 0 | 0.0 | 0 | 0.0 | 30 | 32.6 |
| | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 45 | 48.9 | 0 | 0.0 | 45 | 48.9 | 0 | 0.0 | 0 | 0.0 | 2 | 2.2 | 0 | 0.0 | 0 | 0.0 | 92 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 719 | | – | | 819 | | – | | – | | 818 | | – | | – | | | |
| | | SE | – | | – | | – | | 8 | | – | | 15 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 637–873 | | – | | 732–939 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 41 | | – | | 20 | | – | | – | | 1 | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 815 | | – | | 837 | | – | | – | | 821 | | – | | – | | | |
| | | SE | – | | – | | – | | 15 | | – | | 8 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 776–847 | | – | | 756–897 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 4 | | – | | 25 | | – | | – | | 1 | | – | | – | | | |
| 6/27–30 Quartile 3 | 97 | Male | 0 | 0.0 | 2 | 2.1 | 0 | 0.0 | 31 | 32.0 | 0 | 0.0 | 15 | 15.5 | 0 | 0.0 | 0 | 0.0 | 1 | 1.0 | 0 | 0.0 | 0 | 0.0 | 49 | 50.5 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 11 | 11.3 | 0 | 0.0 | 34 | 35.1 | 0 | 0.0 | 2 | 2.1 | 1 | 1.0 | 0 | 0.0 | 0 | 0.0 | 48 | 49.5 |
| | | Subtotal | 0 | 0.0 | 2 | 2.1 | 0 | 0.0 | 42 | 43.3 | 0 | 0.0 | 49 | 50.5 | 0 | 0.0 | 2 | 2.1 | 2 | 2.1 | 0 | 0.0 | 0 | 0.0 | 97 | 100.0 |
| | | Male Mean Length | – | | 608 | | – | | 730 | | – | | 805 | | – | | – | | 875 | | – | | – | | | |
| | | SE | – | | 4 | | – | | 7 | | – | | 21 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 604–611 | | – | | 684–822 | | – | | 686–994 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 2 | | – | | 31 | | – | | 15 | | – | | – | | 1 | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 762 | | – | | 834 | | – | | 905 | | 832 | | – | | – | | | |
| | | SE | – | | – | | – | | 10 | | – | | 8 | | – | | 13 | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 700–819 | | – | | 725–925 | | – | | 892–917 | | – | | – | | – | | | |
| | | n | – | | – | | – | | 11 | | – | | 34 | | – | | 2 | | 1 | | – | | – | | | |

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Appendix A19.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/1–11 | 117 | Male | 0 | 0.0 | 3 | 2.6 | 0 | 0.0 | 33 | 28.2 | 1 | 0.9 | 14 | 12.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 51 | 43.6 |
| Quartile 4 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 12 | 10.3 | 0 | 0.0 | 49 | 41.9 | 0 | 0.0 | 2 | 1.7 | 3 | 2.6 | 0 | 0.0 | 0 | 0.0 | 66 | 56.4 |
| | | Subtotal | 0 | 0.0 | 3 | 2.6 | 0 | 0.0 | 45 | 38.5 | 1 | 0.9 | 63 | 53.8 | 0 | 0.0 | 2 | 1.7 | 3 | 2.6 | 0 | 0.0 | 0 | 0.0 | 117 | 100.0 |
| | | Male Mean Length | – | | 559 | | – | | 728 | | 607 | | 821 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 12 | | – | | 9 | | – | | 17 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 537–578 | | – | | 645–846 | | – | | 672–934 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 3 | | – | | 33 | | 1 | | 14 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 783 | | – | | 838 | | – | | 922 | | 808 | | – | | – | | | |
| | | SE | – | | – | | – | | 11 | | – | | 5 | | – | | 8 | | 16 | | – | | – | | | |
| | | Range | – | | – | | – | | 733–841 | | – | | 749–909 | | – | | 914–930 | | 780–835 | | – | | – | | | |
| | | n | – | | – | | – | | 12 | | – | | 49 | | – | | 2 | | 3 | | – | | – | | | |
| Total | 405 | Male | 0 | 0.0 | 7 | 1.7 | 0 | 0.0 | 148 | 36.5 | 1 | 0.2 | 65 | 16.0 | 0 | 0.0 | 1 | 0.2 | 4 | 1.0 | 0 | 0.0 | 0 | 0.0 | 226 | 55.8 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 33 | 8.1 | 0 | 0.0 | 134 | 33.1 | 0 | 0.0 | 4 | 1.0 | 7 | 1.7 | 0 | 0.0 | 1 | 0.2 | 179 | 44.2 |
| | | Total | 0 | 0.0 | 7 | 1.7 | 0 | 0.0 | 181 | 44.7 | 1 | 0.2 | 199 | 49.1 | 0 | 0.0 | 5 | 1.2 | 11 | 2.7 | 0 | 0.0 | 1 | 0.2 | 405 | 100.0 |
| | | Male Mean Length | – | | 584 | | – | | 720 | | 607 | | 809 | | – | | 984 | | 824 | | – | | – | | | |
| | | SE | – | | 10 | | – | | 4 | | – | | 8 | | – | | – | | 26 | | – | | – | | | |
| | | Range | – | | 537–611 | | – | | 590–873 | | – | | 672–994 | | – | | – | | 755–875 | | – | | – | | | |
| | | n | – | | 7 | | – | | 148 | | 1 | | 65 | | – | | 1 | | 4 | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 780 | | – | | 836 | | – | | 913 | | 809 | | – | | 864 | | | |
| | | SE | – | | – | | – | | 8 | | – | | 3 | | – | | 8 | | 8 | | – | | – | | | |
| | | Range | – | | – | | – | | 700–850 | | – | | 725–925 | | – | | 892–930 | | 780–835 | | – | | – | | | |
| | | n | – | | – | | – | | 33 | | – | | 134 | | – | | 4 | | 7 | | – | | 1 | | | |

Appendix A20.–Yukon River Pilot Station sonar test fishery Chinook salmon variable mesh drift gillnet, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/24, 28 | 2 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 100.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 100.0 |
| 2.75" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 100.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 100.0 |
| | | Male Mean Length | – | | – | | – | | – | | – | | 828 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | 9 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | 819–836 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | 2 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| 6/15–17, 19–20, 22–23, 27, 29; 7/4, 6, 9, 4" Mesh | 17 | Male | 3 | 17.6 | 4 | 23.5 | 0 | 0.0 | 4 | 23.5 | 0 | 0.0 | 1 | 5.9 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 12 | 70.6 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 11.8 | 0 | 0.0 | 3 | 17.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 29.4 |
| | | Subtotal | 3 | 17.6 | 4 | 23.5 | 0 | 0.0 | 6 | 35.3 | 0 | 0.0 | 4 | 23.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 17 | 100.0 |
| | | Male Mean Length | 364 | | 584 | | – | | 661 | | – | | 891 | | – | | – | | – | | – | | – | | | |
| | | SE | 7 | | 25 | | – | | 16 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | 355–379 | | 517–635 | | – | | 624–693 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | 3 | | 4 | | – | | 4 | | – | | 1 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 755 | | – | | 860 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 15 | | – | | 30 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 740–770 | | – | | 802–900 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 2 | | – | | 3 | | – | | – | | – | | – | | – | | | |
| 6/17–18, 25–7/4, 7, 9–10, 12, 17 5.25" Mesh | 23 | Male | 0 | 0.0 | 5 | 21.7 | 0 | 0.0 | 10 | 43.5 | 0 | 0.0 | 2 | 8.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 17 | 73.9 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 8.7 | 0 | 0.0 | 3 | 13.0 | 1 | 4.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 26.1 |
| | | Subtotal | 0 | 0.0 | 5 | 21.7 | 0 | 0.0 | 12 | 52.2 | 0 | 0.0 | 5 | 21.7 | 1 | 4.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 23 | 100.0 |
| | | Male Mean Length | – | | 548 | | – | | 687 | | – | | 914 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 15 | | – | | 11 | | – | | 104 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 518–600 | | – | | 641–754 | | – | | 810–1017 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 5 | | – | | 10 | | – | | 2 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 775 | | – | | 836 | | 747 | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 55 | | – | | 10 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 720–830 | | – | | 817–852 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 2 | | – | | 3 | | 1 | | – | | – | | – | | – | | | |

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| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/22 | 1 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 100.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 100.0 |
| 5.75" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 100.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 100.0 |
| | | Male Mean Length | – | | – | | – | | – | | – | | 790 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | 1 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| 6/13, 16–21, 23–7/8, | 85 | Male | 0 | 0.0 | 5 | 5.9 | 0 | 0.0 | 30 | 35.3 | 0 | 0.0 | 11 | 12.9 | 1 | 1.2 | 0 | 0.0 | 1 | 1.2 | 0 | 0.0 | 0 | 0.0 | 48 | 56.5 |
| 10–11, 13–14, 18–21 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 10 | 11.8 | 0 | 0.0 | 25 | 29.4 | 0 | 0.0 | 1 | 1.2 | 1 | 1.2 | 0 | 0.0 | 0 | 0.0 | 37 | 43.5 |
| 6.5" Mesh | | Subtotal | 0 | 0.0 | 5 | 5.9 | 0 | 0.0 | 40 | 47.1 | 0 | 0.0 | 36 | 42.4 | 1 | 1.2 | 1 | 1.2 | 2 | 2.4 | 0 | 0.0 | 0 | 0.0 | 85 | 100.0 |
| | | Male Mean Length | – | | 561 | | – | | 693 | | – | | 811 | | 609 | | – | | 804 | | – | | – | | | |
| | | SE | – | | 10 | | – | | 10 | | – | | 20 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 531–590 | | – | | 605–800 | | – | | 702–900 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 5 | | – | | 30 | | – | | 11 | | 1 | | – | | 1 | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 745 | | – | | 813 | | – | | 789 | | 786 | | – | | – | | | |
| | | SE | – | | – | | – | | 14 | | – | | 7 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 664–788 | | – | | 743–887 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 10 | | – | | 25 | | – | | 1 | | 1 | | – | | – | | | |
| 6/13–14, 16–7/8, 10– | 168 | Male | 0 | 0.0 | 3 | 1.8 | 0 | 0.0 | 81 | 48.2 | 0 | 0.0 | 25 | 14.9 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 109 | 64.9 |
| 17, 20–21, 27, 29 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 18 | 10.7 | 0 | 0.0 | 39 | 23.2 | 0 | 0.0 | 0 | 0.0 | 2 | 1.2 | 0 | 0.0 | 0 | 0.0 | 59 | 35.1 |
| 7.5" Mesh | | Subtotal | 0 | 0.0 | 3 | 1.8 | 0 | 0.0 | 99 | 58.9 | 0 | 0.0 | 64 | 38.1 | 0 | 0.0 | 0 | 0.0 | 2 | 1.2 | 0 | 0.0 | 0 | 0.0 | 168 | 100.0 |
| | | Male Mean Length | – | | 606 | | – | | 705 | | – | | 795 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 27 | | – | | 5 | | – | | 9 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 568–659 | | – | | 587–808 | | – | | 694–900 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 3 | | – | | 81 | | – | | 25 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 751 | | – | | 821 | | – | | – | | 788 | | – | | – | | | |
| | | SE | – | | – | | – | | 11 | | – | | 8 | | – | | – | | 28 | | – | | – | | | |
| | | Range | – | | – | | – | | 682–827 | | – | | 700–892 | | – | | – | | 760–815 | | – | | – | | | |
| | | n | – | | – | | – | | 18 | | – | | 39 | | – | | – | | 2 | | – | | – | | | |

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| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/10, 13, 16, 20–21, 23–7/10, 12, 14–15,18 8.5" Mesh | 89 | Male | 0 | 0.0 | 5 | 5.6 | 0 | 0.0 | 14 | 15.7 | 0 | 0.0 | 10 | 11.2 | 0 | 0.0 | 1 | 1.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 30 | 33.7 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 13 | 14.6 | 0 | 0.0 | 43 | 48.3 | 0 | 0.0 | 1 | 1.1 | 2 | 2.2 | 0 | 0.0 | 0 | 0.0 | 59 | 66.3 |
| | | Subtotal | 0 | 0.0 | 5 | 5.6 | 0 | 0.0 | 27 | 30.3 | 0 | 0.0 | 53 | 59.6 | 0 | 0.0 | 2 | 2.2 | 2 | 2.2 | 0 | 0.0 | 0 | 0.0 | 89 | 100.0 |
| | | Male Mean Length | – | | 565 | | – | | 729 | | – | | 828 | | – | | 890 | | – | | – | | – | | | |
| | | SE | – | | 16 | | – | | 10 | | – | | 17 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 508–595 | | – | | 680–802 | | – | | 764–934 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 5 | | – | | 14 | | – | | 10 | | – | | 1 | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 790 | | – | | 831 | | – | | 920 | | 813 | | – | | – | | | |
| | | SE | – | | – | | – | | 10 | | – | | 5 | | – | | – | | 23 | | – | | – | | | |
| | | Range | – | | – | | – | | 742–873 | | – | | 740–900 | | – | | – | | 790–836 | | – | | – | | | |
| | | n | – | | – | | – | | 13 | | – | | 43 | | – | | 1 | | 2 | | – | | – | | | |
| Total | 385 | Male | 3 | 0.8 | 22 | 5.7 | 0 | 0.0 | 139 | 36.1 | 0 | 0.0 | 52 | 13.5 | 1 | 0.3 | 1 | 0.3 | 1 | 0.3 | 0 | 0.0 | 0 | 0.0 | 219 | 56.9 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 45 | 11.7 | 0 | 0.0 | 113 | 29.4 | 1 | 0.3 | 2 | 0.5 | 5 | 1.3 | 0 | 0.0 | 0 | 0.0 | 166 | 43.1 |
| | | Total | 3 | 0.8 | 22 | 5.7 | 0 | 0.0 | 184 | 47.8 | 0 | 0.0 | 165 | 42.9 | 2 | 0.5 | 3 | 0.8 | 6 | 1.6 | 0 | 0.0 | 0 | 0.0 | 385 | 100.0 |
| | | Male Mean Length | 364 | | 569 | | – | | 702 | | – | | 812 | | 609 | | 890 | | 804 | | – | | – | | | |
| | | SE | 7 | | 8 | | – | | 4 | | – | | 8 | | – | | – | | – | | – | | – | | | |
| | | Range | 355–379 | | 508–659 | | – | | 587–808 | | – | | 694–1017 | | – | | – | | – | | – | | – | | | |
| | | n | 3 | | 22 | | – | | 139 | | – | | 52 | | 1 | | 1 | | 1 | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 762 | | – | | 825 | | 747 | | 855 | | 797 | | – | | – | | | |
| | | SE | – | | – | | – | | 7 | | – | | 4 | | – | | 66 | | 13 | | – | | – | | | |
| | | Range | – | | – | | – | | 664–873 | | – | | 700–900 | | – | | 789–920 | | 760–836 | | – | | – | | | |
| | | n | – | | – | | – | | 45 | | – | | 113 | | 1 | | 2 | | 5 | | – | | – | | | |

Appendix A21.–Yukon River Eagle sonar test fishery Chinook salmon variable mesh drift gillnet, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/17, 19–21 ,24–25, 27–29, 31; 8/1–6 5.25" Mesh | 75 | Male | 1 | 1.3 | 6 | 8.0 | 0 | 0.0 | 22 | 29.3 | 1 | 1.3 | 15 | 20.0 | 2 | 2.7 | 0 | 0.0 | 1 | 1.3 | 0 | 0.0 | 0 | 0.0 | 48 | 64.0 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 5.3 | 0 | 0.0 | 22 | 29.3 | 0 | 0.0 | 0 | 0.0 | 1 | 1.3 | 0 | 0.0 | 0 | 0.0 | 27 | 36.0 |
| | | Subtotal | 1 | 1.3 | 6 | 8.0 | 0 | 0.0 | 26 | 34.7 | 1 | 1.3 | 37 | 49.3 | 2 | 2.7 | 0 | 0.0 | 2 | 2.7 | 0 | 0.0 | 0 | 0.0 | 75 | 100.0 |
| | | Male Mean Length | 313 | | 581 | | – | | 684 | | 612 | | 832 | | 638 | | – | | 795 | | – | | – | | | |
| | | SE | – | | 9 | | – | | 11 | | – | | 22 | | 41 | | – | | – | | – | | – | | | |
| | | Range | – | | 547–608 | | – | | 599–835 | | – | | 722–1035 | | 597–679 | | – | | – | | – | | – | | | |
| | | n | 1 | | 6 | | – | | 22 | | 1 | | 15 | | 2 | | – | | 1 | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 741 | | – | | 842 | | – | | – | | 835 | | – | | – | | | |
| | | SE | – | | – | | – | | 22 | | – | | 9 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 682–785 | | – | | 768–910 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 4 | | – | | 22 | | – | | – | | 1 | | – | | – | | | |
| 7/14, 17, 19, 21–22, 25–28, 30–31; 8/2–6.5" Mesh | 45 | Male | 0 | 0.0 | 5 | 11.1 | 0 | 0.0 | 12 | 26.7 | 0 | 0.0 | 6 | 13.3 | 3 | 6.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 26 | 57.8 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 4.4 | 0 | 0.0 | 15 | 33.3 | 0 | 0.0 | 0 | 0.0 | 2 | 4.4 | 0 | 0.0 | 0 | 0.0 | 19 | 42.2 |
| | | Subtotal | 0 | 0.0 | 5 | 11.1 | 0 | 0.0 | 14 | 31.1 | 0 | 0.0 | 21 | 46.7 | 3 | 6.7 | 0 | 0.0 | 2 | 4.4 | 0 | 0.0 | 0 | 0.0 | 45 | 100.0 |
| | | Male Mean Length | – | | 602 | | – | | 702 | | – | | 836 | | 701 | | – | | – | | – | | – | | | |
| | | SE | – | | 18 | | – | | 12 | | – | | 23 | | 67 | | – | | – | | – | | – | | | |
| | | Range | – | | 557–652 | | – | | 625–766 | | – | | 740–900 | | 588–820 | | – | | – | | – | | – | | | |
| | | n | – | | 5 | | – | | 12 | | – | | 6 | | 3 | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 761 | | – | | 822 | | – | | – | | 830 | | – | | – | | | |
| | | SE | – | | – | | – | | 28 | | – | | 11 | | – | | – | | 10 | | – | | – | | | |
| | | Range | – | | – | | – | | 733–788 | | – | | 757–905 | | – | | – | | 820–840 | | – | | – | | | |
| | | n | – | | – | | – | | 2 | | – | | 15 | | – | | – | | 2 | | – | | – | | | |
| 7/15, 20–26, 28–30; 8/1–14, 17, 19 7.5" Mesh | 98 | Male | 0 | 0.0 | 4 | 4.1 | 0 | 0.0 | 21 | 21.4 | 0 | 0.0 | 14 | 14.3 | 1 | 1.0 | 0 | 0.0 | 1 | 1.0 | 0 | 0.0 | 0 | 0.0 | 41 | 41.8 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 9 | 9.2 | 0 | 0.0 | 43 | 43.9 | 0 | 0.0 | 2 | 2.0 | 3 | 3.1 | 0 | 0.0 | 0 | 0.0 | 57 | 58.2 |
| | | Subtotal | 0 | 0.0 | 4 | 4.1 | 0 | 0.0 | 30 | 30.6 | 0 | 0.0 | 57 | 58.2 | 1 | 1.0 | 2 | 2.0 | 4 | 4.1 | 0 | 0.0 | 0 | 0.0 | 98 | 100.0 |
| | | Male Mean Length | – | | 562 | | – | | 719 | | – | | 828 | | 804 | | – | | 790 | | – | | – | | | |
| | | SE | – | | 12 | | – | | 7 | | – | | 16 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 533–590 | | – | | 625–786 | | – | | 710–920 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 4 | | – | | 21 | | – | | 14 | | 1 | | – | | 1 | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 785 | | – | | 836 | | – | | 954 | | 828 | | – | | – | | | |
| | | SE | – | | – | | – | | 8 | | – | | 7 | | – | | 6 | | 26 | | – | | – | | | |
| | | Range | – | | – | | – | | 755–823 | | – | | 744–935 | | – | | 948–960 | | 800–880 | | – | | – | | | |
| | | n | – | | – | | – | | 9 | | – | | 43 | | – | | 2 | | 3 | | – | | – | | | |

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Appendix A21.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/18, 20, 22–24, 26–27, 29–8/1, 3–5, 7–9 | 28 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 7.1 | 0 | 0.0 | 7 | 25.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 9 | 32.1 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 18 | 64.3 | 0 | 0.0 | 1 | 3.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 19 | 67.9 |
| 8.5" Mesh | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 7.1 | 0 | 0.0 | 25 | 89.3 | 0 | 0.0 | 1 | 3.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 28 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 682 | | – | | 835 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 4 | | – | | 26 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 678–686 | | – | | 735–911 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 2 | | – | | 7 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | 851 | | – | | 880 | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | 10 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | 776–969 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | 18 | | – | | 1 | | – | | – | | – | | | |
| Total | 246 | Male | 1 | 0.4 | 15 | 6.1 | 0 | 0.0 | 57 | 23.2 | 1 | 0.4 | 42 | 17.1 | 6 | 2.4 | 0 | 0.0 | 2 | 0.8 | 0 | 0.0 | 0 | 0.0 | 124 | 50.4 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 15 | 6.1 | 0 | 0.0 | 98 | 39.8 | 0 | 0.0 | 3 | 1.2 | 6 | 2.4 | 0 | 0.0 | 0 | 0.0 | 122 | 49.6 |
| | | Total | 1 | 0.4 | 15 | 6.1 | 0 | 0.0 | 72 | 29.3 | 1 | 0.4 | 140 | 56.9 | 6 | 2.4 | 3 | 1.2 | 8 | 3.3 | 0 | 0.0 | 0 | 0.0 | 246 | 100.0 |
| | | Male Mean Length | 313 | | 583 | | – | | 701 | | 612 | | 832 | | 697 | | – | | 793 | | – | | – | | | |
| | | SE | – | | 8 | | – | | 6 | | – | | 11 | | 40 | | – | | 3 | | – | | – | | | |
| | | Range | – | | 533–652 | | – | | 599–835 | | – | | 710–1035 | | 588–820 | | – | | 790–795 | | – | | – | | | |
| | | n | 1 | | 15 | | – | | 57 | | 1 | | 42 | | 6 | | – | | 2 | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 770 | | – | | 838 | | – | | 929 | | 830 | | – | | – | | | |
| | | SE | – | | – | | – | | 9 | | – | | 5 | | – | | 25 | | 12 | | – | | – | | | |
| | | Range | – | | – | | – | | 682–823 | | – | | 744–969 | | – | | 880–960 | | 800–880 | | – | | – | | | |
| | | n | – | | – | | – | | 15 | | – | | 98 | | – | | 3 | | 6 | | – | | – | | | |

Appendix A22.–Andreafsky River (East Fork) weir Chinook salmon escapement, age and sex composition, and mean length (mm), 2012.

| Sample Dates (Strata Dates) | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/1–8 | 131 | Male | 2 | 0.8 | 64 | 20.6 | 0 | 0.0 | 164 | 52.7 | 0 | 0.0 | 14 | 4.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 245 | 78.6 |
| (6/30–7/8) | | Female | 0 | 0.0 | 2 | 0.8 | 0 | 0.0 | 31 | 9.9 | 0 | 0.0 | 33 | 10.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 67 | 21.4 |
| | | Subtotal | 2 | 0.8 | 67 | 21.4 | 0 | 0.0 | 195 | 62.6 | 0 | 0.0 | 48 | 15.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 312 | 100.0 |
| | | Male Mean Length | 377 | | 512 | | – | | 644 | | – | | 798 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 7 | | – | | 6 | | – | | 28 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 430–615 | | – | | 539–749 | | – | | 728–930 | | – | | – | | – | | – | | – | | | |
| | | n | 1 | | 27 | | – | | 69 | | – | | 6 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | 592 | | – | | 677 | | – | | 807 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 15 | | – | | 16 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 603–779 | | – | | 730–895 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 1 | | – | | 13 | | – | | 14 | | – | | – | | – | | – | | – | | | |
| 7/9–15 | 140 | Male | 4 | 0.7 | 51 | 10.0 | 0 | 0.0 | 290 | 56.4 | 0 | 0.0 | 48 | 9.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 393 | 76.4 |
| (7/9–15) | | Female | 0 | 0.0 | 4 | 0.7 | 0 | 0.0 | 40 | 7.9 | 0 | 0.0 | 77 | 15.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 121 | 23.6 |
| | | Subtotal | 4 | 0.7 | 55 | 10.7 | 0 | 0.0 | 330 | 64.3 | 0 | 0.0 | 125 | 24.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 514 | 100.0 |
| | | Male Mean Length | 342 | | 524 | | – | | 666 | | – | | 785 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 15 | | – | | 6 | | – | | 18 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 441–614 | | – | | 513–810 | | – | | 714–926 | | – | | – | | – | | – | | – | | | |
| | | n | 1 | | 14 | | – | | 79 | | – | | 13 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | 598 | | – | | 694 | | – | | 817 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 19 | | – | | 12 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 605–789 | | – | | 713–937 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 1 | | – | | 11 | | – | | 21 | | – | | – | | – | | – | | – | | | |
| 7/16–20, 22 | 150 | Male | 0 | 0.0 | 94 | 8.7 | 0 | 0.0 | 606 | 56.0 | 0 | 0.0 | 79 | 7.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 779 | 72.0 |
| (7/16–22) | | Female | 0 | 0.0 | 7 | 0.7 | 0 | 0.0 | 108 | 10.0 | 0 | 0.0 | 180 | 16.7 | 0 | 0.0 | 7 | 0.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 303 | 28.0 |
| | | Subtotal | 0 | 0.0 | 101 | 9.3 | 0 | 0.0 | 714 | 66.0 | 0 | 0.0 | 260 | 24.0 | 0 | 0.0 | 7 | 0.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1,082 | 100.0 |
| | | Male Mean Length | – | | 545 | | – | | 672 | | – | | 817 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 9 | | – | | 5 | | – | | 19 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 499–591 | | – | | 571–800 | | – | | 719–889 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 13 | | – | | 84 | | – | | 11 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | 621 | | – | | 755 | | – | | 810 | | – | | 851 | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 7 | | – | | 9 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 691–800 | | – | | 730–871 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 1 | | – | | 15 | | – | | 25 | | – | | 1 | | – | | – | | – | | | |

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Appendix A22.–Page 2 of 2.

| Sample Dates (Strata Dates) | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/23–29 | 151 | Male | 0 | 0.0 | 56 | 9.3 | 0 | 0.0 | 307 | 50.3 | 0 | 0.0 | 28 | 4.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 391 | 64.2 |
| (7/23–8/1) | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 81 | 13.2 | 0 | 0.0 | 137 | 22.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 218 | 35.8 |
| | | Subtotal | 0 | 0.0 | 56 | 9.3 | 0 | 0.0 | 387 | 63.6 | 0 | 0.0 | 165 | 27.2 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 609 | 100.0 |
| | | Male Mean Length | – | | 561 | | – | | 693 | | – | | 781 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 12 | | – | | 7 | | – | | 8 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 486–632 | | – | | 573–811 | | – | | 741–807 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 14 | | – | | 76 | | – | | 7 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 765 | | – | | 809 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 8 | | – | | 8 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 693–831 | | – | | 731–905 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 20 | | – | | 34 | | – | | – | | – | | – | | – | | | |
| Season | 572 | Male | 6 | 0.2 | 266 | 10.6 | 0 | 0.0 | 1,367 | 54.3 | 0 | 0.0 | 170 | 6.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1,808 | 71.8 |
| | | Female | 0 | 0.0 | 13 | 0.5 | 0 | 0.0 | 260 | 10.3 | 0 | 0.0 | 428 | 17.0 | 0 | 0.0 | 7 | 0.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 709 | 28.2 |
| | | Total | 6 | 0.2 | 279 | 11.1 | 0 | 0.0 | 1,627 | 64.6 | 0 | 0.0 | 597 | 23.7 | 0 | 0.0 | 7 | 0.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2,517 | 100.0 |
| | | Male Mean Length | 355 | | 541 | | – | | 672 | | – | | 799 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 6 | | – | | 3 | | – | | 10 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 430–632 | | – | | 513–811 | | – | | 714–930 | | – | | – | | – | | – | | – | | | |
| | | n | 2 | | 68 | | – | | 308 | | – | | 37 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | 610 | | – | | 735 | | – | | 811 | | – | | 851 | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 6 | | – | | 5 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 592–621 | | – | | 603–831 | | – | | 713–937 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 3 | | – | | 59 | | – | | 94 | | – | | 1 | | – | | – | | – | | | |

Appendix A23.–Anvik River Chinook salmon escapement, age and sex composition, and mean length (mm), 2012.

| | | | Brood Year (Age) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2009 | | 2008 | | | | 2007 | | | | 2006 | | | | 2005 | | | | 2004 | | | |
| Sample | Sample | | (1.1) | | (1.2) | | (2.1) | | (1.3) | | (2.2) | | (1.4) | | (2.3) | | (1.5) | | (2.4) | | (1.6) | | (2.5) | | Total | |
| Dates | Size | | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| 8/7–13 | 229 | Male | 0 | 0.0 | 34 | 14.8 | 0 | 0.0 | 106 | 46.3 | 0 | 0.0 | 15 | 6.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 155 | 67.7 |
| Carcass | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 12 | 5.2 | 0 | 0.0 | 61 | 26.6 | 0 | 0.0 | 0 | 0.0 | 1 | 0.4 | 0 | 0.0 | 0 | 0.0 | 74 | 32.3 |
| | | Subtotal | 0 | 0.0 | 34 | 14.8 | 0 | 0.0 | 118 | 51.5 | 0 | 0.0 | 76 | 33.2 | 0 | 0.0 | 0 | 0.0 | 1 | 0.4 | 0 | 0.0 | 0 | 0.0 | 229 | 100.0 |
| | | Male Mean Length | – | | 561 | | – | | 685 | | – | | 794 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 9 | | – | | 5 | | – | | 17 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 466–651 | | – | | 543–829 | | – | | 702–943 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 34 | | – | | 106 | | – | | 15 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 775 | | – | | 828 | | – | | – | | 799 | | – | | – | | | |
| | | SE | – | | – | | – | | 10 | | – | | 7 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 690–815 | | – | | 680–945 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 12 | | – | | 61 | | – | | – | | 1 | | – | | – | | | |
| 8/7–10 | 17 | Male | 0 | 0.0 | 2 | 11.8 | 0 | 0.0 | 14 | 82.4 | 0 | 0.0 | 1 | 5.9 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 17 | 100.0 |
| Hook & Line [a] | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| | | Subtotal | 0 | 0.0 | 2 | 11.8 | 0 | 0.0 | 14 | 82.4 | 0 | 0.0 | 1 | 5.9 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 17 | 100.0 |
| | | Male Mean Length | – | | 541 | | – | | 713 | | – | | 755 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 41 | | – | | 13 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 500–582 | | – | | 655–838 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | 2 | | – | | 14 | | – | | 1 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| All Gear | 246 | Male | 0 | 0.0 | 36 | 14.6 | 0 | 0.0 | 120 | 48.8 | 0 | 0.0 | 16 | 6.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 172 | 69.9 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 12 | 4.9 | 0 | 0.0 | 61 | 24.8 | 0 | 0.0 | 0 | 0.0 | 1 | 0.4 | 0 | 0.0 | 0 | 0.0 | 74 | 30.1 |
| | | Total | 0 | 0.0 | 36 | 14.6 | 0 | 0.0 | 132 | 53.7 | 0 | 0.0 | 77 | 31.3 | 0 | 0.0 | 0 | 0.0 | 1 | 0.4 | 0 | 0.0 | 0 | 0.0 | 246 | 100.0 |
| | | Male Mean Length | – | | 560 | | – | | 688 | | – | | 792 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 9 | | – | | 5 | | – | | 16 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 466–651 | | – | | 543–838 | | – | | 702–943 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 36 | | – | | 120 | | – | | 16 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 775 | | – | | 828 | | – | | – | | 799 | | – | | – | | | |
| | | SE | – | | – | | – | | 10 | | – | | 7 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 690–815 | | – | | 680–945 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 12 | | – | | 61 | | – | | – | | 1 | | – | | – | | | |

[a] Only male Chinook salmon were harvested in the sport fishery.

Appendix A24.–Chena River carcass survey Chinook salmon, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/8–10, 13–14 | 198 | Male | 1 | 0.5 | 10 | 5.1 | 0 | 0.0 | 56 | 28.3 | 0 | 0.0 | 21 | 10.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 88 | 44.4 |
| Total | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 34 | 17.2 | 0 | 0.0 | 76 | 38.4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 110 | 55.6 |
| | | Subtotal | 1 | 0.5 | 10 | 5.1 | 0 | 0.0 | 90 | 45.5 | 0 | 0.0 | 97 | 49.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 198 | 100.0 |
| | | Male Mean Length | 340 | | 538 | | – | | 707 | | – | | 815 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 16 | | – | | 7 | | – | | 14 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 425–600 | | – | | 570–835 | | – | | 690–950 | | – | | – | | – | | – | | – | | | |
| | | n | 1 | | 10 | | – | | 56 | | – | | 21 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 741 | | – | | 820 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 7 | | – | | 5 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 645–800 | | – | | 745–955 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 34 | | – | | 76 | | – | | – | | – | | – | | – | | | |

Appendix A25.–Gisasa River weir Chinook salmon escapement, age and sex composition, and mean length (mm), 2012.

| Sample Dates (Strata Dates) | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/2–9 | 123 | Male | 0 | 0.0 | 8 | 5.7 | 0 | 0.0 | 39 | 26.8 | 0 | 0.0 | 4 | 2.4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 50 | 35.0 |
| (6/26–7/9) | | Female | 0 | 0.0 | 2 | 1.6 | 0 | 0.0 | 74 | 51.2 | 0 | 0.0 | 16 | 11.4 | 0 | 0.0 | 1 | 0.8 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 94 | 65.0 |
| | | Subtotal | 0 | 0.0 | 11 | 7.3 | 0 | 0.0 | 112 | 78.0 | 0 | 0.0 | 20 | 13.8 | 0 | 0.0 | 1 | 0.8 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 144 | 100.0 |
| | | Male Mean Length | – | | 536 | | – | | 682 | | – | | 757 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 10 | | – | | 10 | | – | | 17 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 500–575 | | – | | 585–820 | | – | | 735–790 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 7 | | – | | 33 | | – | | 3 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | 573 | | – | | 678 | | – | | 786 | | – | | 800 | | – | | – | | – | | | |
| | | SE | – | | 18 | | – | | 6 | | – | | 25 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 555–590 | | – | | 590–800 | | – | | 605–1020 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 2 | | – | | 63 | | – | | 14 | | – | | 1 | | – | | – | | – | | | |
| 7/10–11, 15–17 | 125 | Male | 0 | 0.0 | 60 | 11.2 | 0 | 0.0 | 272 | 50.4 | 4 | 0.8 | 39 | 7.2 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 376 | 69.6 |
| (7/10–17) | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 73 | 13.6 | 0 | 0.0 | 82 | 15.2 | 0 | 0.0 | 4 | 0.8 | 4 | 0.8 | 0 | 0.0 | 0 | 0.0 | 164 | 30.4 |
| | | Subtotal | 0 | 0.0 | 60 | 11.2 | 0 | 0.0 | 346 | 64.0 | 4 | 0.8 | 121 | 22.4 | 0 | 0.0 | 4 | 0.8 | 4 | 0.8 | 0 | 0.0 | 0 | 0.0 | 540 | 100.0 |
| | | Male Mean Length | – | | 537 | | – | | 691 | | 500 | | 791 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 14 | | – | | 8 | | – | | 17 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 430–620 | | – | | 550–860 | | – | | 715–870 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 14 | | – | | 63 | | 1 | | 9 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 672 | | – | | 838 | | – | | 780 | | 760 | | – | | – | | | |
| | | SE | – | | – | | – | | 15 | | – | | 14 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 600–810 | | – | | 760–990 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 17 | | – | | 19 | | – | | 1 | | 1 | | – | | – | | | |
| 7/18–20, 21 | 122 | Male | 0 | 0.0 | 46 | 13.9 | 0 | 0.0 | 196 | 59.0 | 0 | 0.0 | 30 | 9.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 272 | 82.0 |
| (7/18–22) | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 11 | 3.3 | 0 | 0.0 | 49 | 14.8 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 60 | 18.0 |
| | | Subtotal | 0 | 0.0 | 46 | 13.9 | 0 | 0.0 | 207 | 62.3 | 0 | 0.0 | 79 | 23.8 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 332 | 100.0 |
| | | Male Mean Length | – | | 526 | | – | | 681 | | – | | 793 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 9 | | – | | 6 | | – | | 9 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 455–585 | | – | | 570–780 | | – | | 740–825 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 17 | | – | | 72 | | – | | 11 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 665 | | – | | 831 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 41 | | – | | 10 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 590–740 | | – | | 760–910 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 4 | | – | | 18 | | – | | – | | – | | – | | – | | | |

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| Sample Dates (Strata Dates) | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/23–26, 29–30 (7/23–30) | 153 | Male | 0 | 0.0 | 34 | 11.1 | 0 | 0.0 | 114 | 37.3 | 0 | 0.0 | 34 | 11.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 183 | 59.5 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 22 | 7.2 | 0 | 0.0 | 102 | 33.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 124 | 40.5 |
| | | Subtotal | 0 | 0.0 | 34 | 11.1 | 0 | 0.0 | 136 | 44.4 | 0 | 0.0 | 136 | 44.4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 307 | 100.0 |
| | | Male Mean Length | – | | 553 | | – | | 688 | | – | | 783 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 14 | | – | | 8 | | – | | 11 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 430–655 | | – | | 550–815 | | – | | 700–870 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 17 | | – | | 57 | | – | | 17 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 748 | | – | | 819 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 9 | | – | | 7 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 695–805 | | – | | 720–985 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 11 | | – | | 51 | | – | | – | | – | | – | | – | | | |
| Season | 523 | Male | 0 | 0.0 | 149 | 11.3 | 0 | 0.0 | 621 | 46.9 | 4 | 0.3 | 106 | 8.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 881 | 66.6 |
| | | Female | 0 | 0.0 | 2 | 0.2 | 0 | 0.0 | 180 | 13.6 | 0 | 0.0 | 250 | 18.9 | 0 | 0.0 | 5 | 0.4 | 4 | 0.3 | 0 | 0.0 | 0 | 0.0 | 442 | 33.4 |
| | | Total | 0 | 0.0 | 151 | 11.4 | 0 | 0.0 | 801 | 60.6 | 4 | 0.3 | 356 | 26.9 | 0 | 0.0 | 5 | 0.4 | 4 | 0.3 | 0 | 0.0 | 0 | 0.0 | 1,323 | 100.0 |
| | | Male Mean Length | – | | 538 | | – | | 687 | | 500 | | 786 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 7 | | – | | 4 | | – | | 8 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 430–655 | | – | | 550–860 | | – | | 700–870 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 55 | | – | | 225 | | 1 | | 40 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | 573 | | – | | 688 | | – | | 826 | | – | | 784 | | 760 | | – | | – | | | |
| | | SE | – | | 18 | | – | | 12 | | – | | 7 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 555–590 | | – | | 590–810 | | – | | 605–1020 | | – | | 780–800 | | – | | – | | – | | | |
| | | n | – | | 2 | | – | | 95 | | – | | 102 | | – | | 2 | | 1 | | – | | – | | | |

Appendix A26.–Henshaw Creek weir Chinook salmon escapement, age and sex composition, and mean length (mm), 2012.

| Sample Dates (Strata Dates) | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/6–8, 11–14 | 41 | Male | 0 | 0.0 | 16 | 7.3 | 0 | 0.0 | 126 | 58.5 | 0 | 0.0 | 21 | 9.8 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 163 | 75.6 |
| (6/24–7/14) | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 26 | 12.2 | 0 | 0.0 | 26 | 12.2 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 52 | 24.4 |
| | | Subtotal | 0 | 0.0 | 16 | 7.3 | 0 | 0.0 | 152 | 70.7 | 0 | 0.0 | 47 | 22.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 215 | 100.0 |
| | | Male Mean Length | – | | 569 | | – | | 679 | | – | | 784 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 15 | | – | | 9 | | – | | 34 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 542–594 | | – | | 583–764 | | – | | 744–885 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 3 | | – | | 24 | | – | | 4 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 691 | | – | | 842 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 39 | | – | | 18 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 554–791 | | – | | 790–887 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 5 | | – | | 5 | | – | | – | | – | | – | | – | | | |
| 7/15–19 | 94 | Male | 0 | 0.0 | 54 | 26.6 | 0 | 0.0 | 67 | 33.0 | 0 | 0.0 | 7 | 3.2 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 128 | 62.8 |
| (7/15–19) | | Female | 0 | 0.0 | 4 | 2.1 | 0 | 0.0 | 30 | 14.9 | 0 | 0.0 | 41 | 20.2 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 76 | 37.2 |
| | | Subtotal | 0 | 0.0 | 59 | 28.7 | 0 | 0.0 | 98 | 47.9 | 0 | 0.0 | 48 | 23.4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 204 | 100.0 |
| | | Male Mean Length | – | | 562 | | – | | 687 | | – | | 820 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 10 | | – | | 9 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 492–690 | | – | | 556–791 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | 25 | | – | | 31 | | – | | 1 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | 558 | | – | | 738 | | – | | 814 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 2 | | – | | 21 | | – | | 13 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 556–560 | | – | | 568–852 | | – | | 717–925 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 2 | | – | | 14 | | – | | 19 | | – | | – | | – | | – | | – | | | |
| 7/20–23 | 82 | Male | 0 | 0.0 | 55 | 20.7 | 0 | 0.0 | 87 | 32.9 | 0 | 0.0 | 16 | 6.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 158 | 59.8 |
| (7/20–23) | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 29 | 11.0 | 0 | 0.0 | 74 | 28.0 | 0 | 0.0 | 3 | 1.2 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 107 | 40.2 |
| | | Subtotal | 0 | 0.0 | 55 | 20.7 | 0 | 0.0 | 116 | 43.9 | 0 | 0.0 | 90 | 34.1 | 0 | 0.0 | 3 | 1.2 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 265 | 100.0 |
| | | Male Mean Length | – | | 557 | | – | | 709 | | – | | 826 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 7 | | – | | 11 | | – | | 31 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 491–620 | | – | | 565–809 | | – | | 755–930 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 17 | | – | | 27 | | – | | 5 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 777 | | – | | 822 | | – | | 915 | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 11 | | – | | 9 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 729–850 | | – | | 747–902 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 9 | | – | | 23 | | – | | 1 | | – | | – | | – | | | |

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| Sample Dates (Strata Dates) | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/24–8/2 | 72 | Male | 0 | 0.0 | 10 | 4.2 | 0 | 0.0 | 53 | 22.2 | 0 | 0.0 | 23 | 9.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 86 | 36.1 |
| (7/24–8/4) | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 33 | 13.9 | 0 | 0.0 | 119 | 50.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 152 | 63.9 |
| | | Subtotal | 0 | 0.0 | 10 | 4.2 | 0 | 0.0 | 86 | 36.1 | 0 | 0.0 | 142 | 59.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 238 | 100.0 |
| | | Male Mean Length | – | | 542 | | – | | 717 | | – | | 796 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 26 | | – | | 10 | | – | | 15 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 493–580 | | – | | 628–790 | | – | | 745–835 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 3 | | – | | 16 | | – | | 6 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 758 | | – | | 843 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 25 | | – | | 7 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 572–863 | | – | | 739–975 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 10 | | – | | 36 | | – | | – | | – | | – | | – | | | |
| Season | 289 | Male | 0 | 0.0 | 135 | 14.6 | 0 | 0.0 | 333 | 36.1 | 0 | 0.0 | 67 | 7.2 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 535 | 58.0 |
| | | Female | 0 | 0.0 | 4 | 0.5 | 0 | 0.0 | 119 | 12.9 | 0 | 0.0 | 261 | 28.3 | 0 | 0.0 | 3 | 0.4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 387 | 42.0 |
| | | Total | 0 | 0.0 | 139 | 15.1 | 0 | 0.0 | 452 | 49.0 | 0 | 0.0 | 328 | 35.5 | 0 | 0.0 | 3 | 0.4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 922 | 100.0 |
| | | Male Mean Length | – | | 557 | | – | | 699 | | – | | 807 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 8 | | – | | 5 | | – | | 16 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 491–690 | | – | | 556–809 | | – | | 744–930 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 48 | | – | | 98 | | – | | 16 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | 558 | | – | | 744 | | – | | 830 | | – | | 915 | | – | | – | | – | | | |
| | | SE | – | | 2 | | – | | 12 | | – | | 6 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 556–560 | | – | | 554–863 | | – | | 717–975 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 2 | | – | | 38 | | – | | 83 | | – | | 1 | | – | | – | | – | | | |

Appendix A27.–Salcha River carcass survey Chinook salmon escapement, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/6–9 | 265 | Male | 1 | 0.4 | 21 | 7.9 | 0 | 0.0 | 66 | 24.9 | 0 | 0.0 | 42 | 15.8 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 130 | 49.1 |
| stratum 1 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 25 | 9.4 | 0 | 0.0 | 105 | 39.6 | 0 | 0.0 | 5 | 1.9 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 135 | 50.9 |
| | | Subtotal | 1 | 0.4 | 21 | 7.9 | 0 | 0.0 | 91 | 34.3 | 0 | 0.0 | 147 | 55.5 | 0 | 0.0 | 5 | 1.9 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 265 | 100.0 |
| | | Male Mean Length | 366 | | 568 | | – | | 706 | | – | | 810 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 7 | | – | | 6 | | – | | 8 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 500–628 | | – | | 619–830 | | – | | 703–907 | | – | | – | | – | | – | | – | | | |
| | | n | 1 | | 21 | | – | | 66 | | – | | 41 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 762 | | – | | 832 | | – | | 897 | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 8 | | – | | 4 | | – | | 18 | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 650–821 | | – | | 740–940 | | – | | 833–930 | | – | | – | | – | | | |
| | | n | – | | – | | – | | 25 | | – | | 105 | | – | | 5 | | – | | – | | – | | | |
| 8/14–15, 17 | 155 | Male | 0 | 0.0 | 4 | 2.6 | 0 | 0.0 | 20 | 12.9 | 0 | 0.0 | 15 | 9.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 39 | 25.2 |
| stratum 2 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 27 | 17.4 | 0 | 0.0 | 87 | 56.1 | 0 | 0.0 | 2 | 1.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 116 | 74.8 |
| | | Subtotal | 0 | 0.0 | 4 | 2.6 | 0 | 0.0 | 47 | 30.3 | 0 | 0.0 | 102 | 65.8 | 0 | 0.0 | 2 | 1.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 155 | 100.0 |
| | | Male Mean Length | – | | 574 | | – | | 725 | | – | | 857 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 24 | | – | | 15 | | – | | 18 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 511–624 | | – | | 597–849 | | – | | 715–990 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 4 | | – | | 20 | | – | | 15 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 770 | | – | | 831 | | – | | 873 | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 6 | | – | | 5 | | – | | 4 | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 709–841 | | – | | 724–930 | | – | | 869–876 | | – | | – | | – | | | |
| | | n | – | | – | | – | | 27 | | – | | 86 | | – | | 2 | | – | | – | | – | | | |
| Total | 420 | Male | 1 | 0.2 | 25 | 6.0 | 0 | 0.0 | 86 | 20.5 | 0 | 0.0 | 57 | 13.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 169 | 40.2 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 52 | 12.4 | 0 | 0.0 | 192 | 45.7 | 0 | 0.0 | 7 | 1.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 251 | 59.8 |
| | | Total | 1 | 0.2 | 25 | 6.0 | 0 | 0.0 | 138 | 32.9 | 0 | 0.0 | 249 | 59.3 | 0 | 0.0 | 7 | 1.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 420 | 100.0 |
| | | Male Mean Length | 366 | | 569 | | – | | 711 | | – | | 822 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 7 | | – | | 6 | | – | | 8 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 500–628 | | – | | 597–849 | | – | | 703–990 | | – | | – | | – | | – | | – | | | |
| | | n | 1 | | 25 | | – | | 86 | | – | | 56 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 766 | | – | | 832 | | – | | 890 | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 5 | | – | | 3 | | – | | 13 | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 650–841 | | – | | 724–940 | | – | | 833–930 | | – | | – | | – | | | |
| | | n | – | | – | | – | | 52 | | – | | 191 | | – | | 7 | | – | | – | | – | | | |

Appendix A28.–Yukon River Pilot Station acoustic tagging Chinook salmon, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/10 | 1 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 5.25" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 100.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 100.0 |
| | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 100.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 100.0 |
| | | Male Mean Length | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | 915 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | 1 | | – | | – | | – | | – | | – | | | |
| 6/20, 27 | 3 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 33.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 33.3 |
| 7.25" Mesh | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 66.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 66.7 |
| | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 33.3 | 0 | 0.0 | 2 | 66.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 725 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 1 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | – | | – | | 832 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | 4 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | 828–835 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | 2 | | – | | – | | – | | – | | – | | | |
| 6/20–25, 27–29; | 146 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 31 | 21.2 | 0 | 0.0 | 21 | 14.4 | 1 | 0.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 53 | 36.3 |
| 7/1, 3–7 | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 20 | 13.7 | 0 | 0.0 | 67 | 45.9 | 0 | 0.0 | 3 | 2.1 | 3 | 2.1 | 0 | 0.0 | 0 | 0.0 | 93 | 63.7 |
| 8.5" Mesh | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 52 | 34.9 | 0 | 0.0 | 87 | 60.3 | 1 | 0.7 | 3 | 2.1 | 3 | 2.1 | 0 | 0.0 | 0 | 0.0 | 146 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 735 | | – | | 822 | | 727 | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 8 | | – | | 10 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 625–806 | | – | | 726–889 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 31 | | – | | 21 | | 1 | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 734 | | – | | 831 | | – | | 890 | | 795 | | – | | – | | | |
| | | SE | – | | – | | – | | 13 | | – | | 5 | | – | | 18 | | 22 | | – | | – | | | |
| | | Range | – | | – | | – | | 609–836 | | – | | 742–939 | | – | | 868–926 | | 772–839 | | – | | – | | | |
| | | n | – | | – | | – | | 20 | | – | | 67 | | – | | 3 | | 3 | | – | | – | | | |

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Appendix A28.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 150 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 32 | 21.3 | 0 | 0.0 | 21 | 14.0 | 1 | 0.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 54 | 36.0 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 20 | 13.3 | 0 | 0.0 | 70 | 46.7 | 0 | 0.0 | 3 | 2.0 | 3 | 2.0 | 0 | 0.0 | 0 | 0.0 | 96 | 64.0 |
| | | Total | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 53 | 34.7 | 0 | 0.0 | 91 | 60.7 | 1 | 0.7 | 3 | 2.0 | 3 | 2.0 | 0 | 0.0 | 0 | 0.0 | 150 | 100.0 |
| | | Male Mean Length | – | | – | | – | | 734 | | – | | 822 | | 727 | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 8 | | – | | 10 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 625–806 | | – | | 726–889 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 32 | | – | | 21 | | 1 | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 734 | | – | | 833 | | – | | 890 | | 795 | | – | | – | | | |
| | | SE | – | | – | | – | | 13 | | – | | 5 | | – | | 18 | | 22 | | – | | – | | | |
| | | Range | – | | – | | – | | 609–836 | | – | | 742–939 | | – | | 868–926 | | 772–839 | | – | | – | | | |
| | | n | – | | – | | – | | 20 | | – | | 70 | | – | | 3 | | 3 | | – | | – | | | |

Appendix A29.–Nulato River genetic sampling Chinook salmon, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/5–9 | 35 | Male | 0 | 0.0 | 2 | 5.7 | 0 | 0.0 | 20 | 57.1 | 0 | 0.0 | 1 | 2.9 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 23 | 65.7 |
| Hook and Line | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 8.6 | 0 | 0.0 | 9 | 25.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 12 | 34.3 |
| | | Subtotal | 0 | 0.0 | 2 | 5.7 | 0 | 0.0 | 23 | 65.7 | 0 | 0.0 | 10 | 28.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 35 | 100.0 |
| | | Male Mean Length | – | | 586 | | – | | 705 | | – | | 840 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 32 | | – | | 12 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 554–618 | | – | | 645–813 | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | 2 | | – | | 20 | | – | | 1 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 757 | | – | | 837 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 17 | | – | | 11 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 732–790 | | – | | 801–898 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 3 | | – | | 9 | | – | | – | | – | | – | | – | | | |
| 8/5–8 | 13 | Male | 0 | 0.0 | 1 | 7.7 | 0 | 0.0 | 6 | 46.2 | 0 | 0.0 | 2 | 15.4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 9 | 69.2 |
| Carcass | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 7.7 | 0 | 0.0 | 3 | 23.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 30.8 |
| | | Subtotal | 0 | 0.0 | 1 | 7.7 | 0 | 0.0 | 7 | 53.8 | 0 | 0.0 | 5 | 38.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 13 | 100.0 |
| | | Male Mean Length | – | | 556 | | – | | 680 | | – | | 789 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 27 | | – | | 22 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 585–770 | | – | | 767–810 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 1 | | – | | 6 | | – | | 2 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 716 | | – | | 792 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | 29 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | 762–850 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 1 | | – | | 3 | | – | | – | | – | | – | | – | | | |
| 8/6, 8 | 2 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Dip Net | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 50.0 | 0 | 0.0 | 1 | 50.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 100.0 |
| | | Subtotal | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 50.0 | 0 | 0.0 | 1 | 50.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 100.0 |
| | | Male Mean Length | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 793 | | – | | 860 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 1 | | – | | 1 | | – | | – | | – | | – | | – | | | |

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Appendix A29.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (1.2) N | % | 2008 (2.1) N | % | 2007 (1.3) N | % | 2007 (2.2) N | % | 2006 (1.4) N | % | 2006 (2.3) N | % | 2005 (1.5) N | % | 2005 (2.4) N | % | 2004 (1.6) N | % | 2004 (2.5) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 50 | Male | 0 | 0.0 | 3 | 6.0 | 0 | 0.0 | 26 | 52.0 | 0 | 0.0 | 3 | 6.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 32 | 64.0 |
| | | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 10.0 | 0 | 0.0 | 13 | 26.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 18 | 36.0 |
| | | Total | 0 | 0.0 | 3 | 6.0 | 0 | 0.0 | 31 | 62.0 | 0 | 0.0 | 16 | 32.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 50 | 100.0 |
| | | Male Mean Length | – | | 576 | | – | | 699 | | – | | 806 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | 21 | | – | | 11 | | – | | 21 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | 554–618 | | – | | 585–813 | | – | | 767–840 | | – | | – | | – | | – | | – | | | |
| | | n | – | | 3 | | – | | 26 | | – | | 3 | | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | – | | – | | 756 | | – | | 829 | | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | 15 | | – | | 11 | | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | 716–793 | | – | | 762–898 | | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | 5 | | – | | 13 | | – | | – | | – | | – | | – | | | |

# APPENDIX B: SUMMER CHUM SALMON

Appendix B1.–Yukon River District 1 summer chum salmon commercial gillnet harvest, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/29 | 156 | Male | 0 | 0.0 | 5,988 | 37.2 | 2,374 | 14.7 | 723 | 4.5 | 0 | 0.0 | 9,085 | 56.4 |
| Period 1 | | Female | 0 | 0.0 | 4,646 | 28.8 | 1,858 | 11.5 | 516 | 3.2 | 0 | 0.0 | 7,020 | 43.6 |
| | | Subtotal | 0 | 0.0 | 10,633 | 66.0 | 4,233 | 26.3 | 1,239 | 7.7 | 0 | 0.0 | 16,105 | 100.0 |
| | | Male Mean Length | – | | 566 | | 585 | | 593 | | – | | | |
| | | SE | – | | 3 | | 6 | | 10 | | – | | | |
| | | Range | – | | 527–618 | | 523–619 | | 541–622 | | – | | | |
| | | n | – | | 58 | | 23 | | 7 | | – | | | |
| | | Female Mean Length | – | | 556 | | 563 | | 557 | | – | | | |
| | | SE | – | | 3 | | 5 | | 8 | | – | | | |
| | | Range | – | | 503–598 | | 524–609 | | 535–574 | | – | | | |
| | | n | – | | 45 | | 18 | | 5 | | – | | | |
| 7/1 | 160 | Male | 0 | 0.0 | 10,390 | 36.3 | 2,866 | 10.0 | 717 | 2.5 | 0 | 0.0 | 13,972 | 48.8 |
| Periods 2, 3 | | Female | 0 | 0.0 | 9,673 | 33.8 | 4,299 | 15.0 | 717 | 2.5 | 0 | 0.0 | 14,689 | 51.3 |
| | | Subtotal | 0 | 0.0 | 20,063 | 70.0 | 7,165 | 25.0 | 1,433 | 5.0 | 0 | 0.0 | 28,661 | 100.0 |
| | | Male Mean Length | – | | 562 | | 569 | | 589 | | – | | | |
| | | SE | – | | 3 | | 6 | | 10 | | – | | | |
| | | Range | – | | 517–644 | | 543–627 | | 567–611 | | – | | | |
| | | n | – | | 58 | | 16 | | 4 | | – | | | |
| | | Female Mean Length | – | | 537 | | 556 | | 556 | | – | | | |
| | | SE | – | | 3 | | 4 | | 13 | | – | | | |
| | | Range | – | | 495–582 | | 492–586 | | 530–584 | | – | | | |
| | | n | – | | 54 | | 24 | | 4 | | – | | | |
| 7/3, 5 | 157 | Male | 0 | 0.0 | 18,698 | 44.6 | 5,610 | 13.4 | 1,068 | 2.5 | 0 | 0.0 | 25,376 | 60.5 |
| Periods 4, 5 | | Female | 0 | 0.0 | 12,288 | 29.3 | 2,671 | 6.4 | 1,603 | 3.8 | 0 | 0.0 | 16,562 | 39.5 |
| | | Subtotal | 0 | 0.0 | 30,986 | 73.9 | 8,281 | 19.7 | 2,671 | 6.4 | 0 | 0.0 | 41,938 | 100.0 |
| | | Male Mean Length | – | | 555 | | 583 | | 557 | | – | | | |
| | | SE | – | | 2 | | 7 | | 12 | | – | | | |
| | | Range | – | | 496–600 | | 533–655 | | 525–579 | | – | | | |
| | | n | – | | 70 | | 21 | | 4 | | – | | | |
| | | Female Mean Length | – | | 540 | | 564 | | 557 | | – | | | |
| | | SE | – | | 3 | | 7 | | 8 | | – | | | |
| | | Range | – | | 492–605 | | 538–603 | | 524–576 | | – | | | |
| | | n | – | | 46 | | 10 | | 6 | | – | | | |
| 7/7, 9 | 156 | Male | 0 | 0.0 | 20,123 | 37.8 | 5,457 | 10.3 | 682 | 1.3 | 0 | 0.0 | 26,262 | 49.4 |
| Periods 6, 7, 8 | | Female | 0 | 0.0 | 19,441 | 36.5 | 5,798 | 10.9 | 1,705 | 3.2 | 0 | 0.0 | 26,944 | 50.6 |
| | | Subtotal | 0 | 0.0 | 39,563 | 74.4 | 11,255 | 21.2 | 2,387 | 4.5 | 0 | 0.0 | 53,206 | 100.0 |
| | | Male Mean Length | – | | 569 | | 584 | | 581 | | – | | | |
| | | SE | – | | 3 | | 6 | | 4 | | – | | | |
| | | Range | – | | 524–622 | | 548–618 | | 577–584 | | – | | | |
| | | n | – | | 59 | | 16 | | 2 | | – | | | |
| | | Female Mean Length | – | | 552 | | 561 | | 562 | | – | | | |
| | | SE | – | | 3 | | 8 | | 19 | | – | | | |
| | | Range | – | | 513–607 | | 488–617 | | 492–599 | | – | | | |
| | | n | – | | 57 | | 17 | | 5 | | – | | | |

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Appendix B1.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/10, 13 Periods 9, 10 | 158 | Male | 0 | 0.0 | 2,757 | 25.3 | 1,172 | 10.8 | 345 | 3.2 | 0 | 0.0 | 4,273 | 39.2 |
| | | Female | 69 | 0.6 | 4,825 | 44.3 | 1,723 | 15.8 | 0 | 0.0 | 0 | 0.0 | 6,617 | 60.8 |
| | | Subtotal | 69 | 0.6 | 7,582 | 69.6 | 2,895 | 26.6 | 345 | 3.2 | 0 | 0.0 | 10,890 | 100.0 |
| | | Male Mean Length | – | | 554 | | 574 | | 560 | | – | | | |
| | | SE | – | | 4 | | 5 | | 15 | | – | | | |
| | | Range | – | | 519–604 | | 531–611 | | 517–596 | | – | | | |
| | | n | – | | 40 | | 17 | | 5 | | – | | | |
| | | Female Mean Length | 496 | | 538 | | 559 | | – | | – | | | |
| | | SE | – | | 2 | | 5 | | – | | – | | | |
| | | Range | – | | 498–590 | | 511–622 | | – | | – | | | |
| | | n | 1 | | 70 | | 25 | | – | | – | | | |
| Season | 787 | Male | 0 | 0.0 | 57,956 | 38.4 | 17,479 | 11.6 | 3,534 | 2.3 | 0 | 0.0 | 78,969 | 52.4 |
| | | Female | 69 | 0.0 | 50,872 | 33.7 | 16,350 | 10.8 | 4,541 | 3.0 | 0 | 0.0 | 71,831 | 47.6 |
| | | Total | 69 | 0.0 | 108,827 | 72.2 | 33,829 | 22.4 | 8,075 | 5.4 | 0 | 0.0 | 150,800 | 100.0 |
| | | Male Mean Length | – | | 563 | | 580 | | 575 | | – | | | |
| | | SE | – | | 1 | | 3 | | 4 | | – | | | |
| | | Range | – | | 496–644 | | 523–655 | | 517–622 | | – | | | |
| | | n | – | | 285 | | 93 | | 22 | | – | | | |
| | | Female Mean Length | 496 | | 545 | | 561 | | 558 | | – | | | |
| | | SE | – | | 2 | | 3 | | 8 | | – | | | |
| | | Range | – | | 492–607 | | 488–622 | | 492–599 | | – | | | |
| | | n | 1 | | 272 | | 94 | | 20 | | – | | | |

*Note*: All commercial fishing periods were restricted to 6.0 in or smaller mesh gillnets .

Appendix B2.–Yukon River District 2 summer chum salmon commercial gillnet harvest, age and sex composition, 2012.

| | | Brood Year (Age) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2009 | | 2008 | | 2007 | | 2006 | | 2005 | | | |
| Sample | | (0.2) | | (0.3) | | (0.4) | | (0.5) | | (0.6) | | Total | |
| Dates | | N | % | N | % | N | % | N | % | N | % | N | % |
| Period 1 [a] | Male | 0 | 0.0 | 2,731 | 37.2 | 1,083 | 14.7 | 330 | 4.5 | 0 | 0.0 | 4,144 | 56.4 |
| | Female | 0 | 0.0 | 2,119 | 28.8 | 848 | 11.5 | 235 | 3.2 | 0 | 0.0 | 3,202 | 43.6 |
| | Subtotal | 0 | 0.0 | 4,850 | 66.0 | 1,931 | 26.3 | 565 | 7.7 | 0 | 0.0 | 7,346 | 100.0 |
| Period 2 [b] | Male | 0 | 0.0 | 3,396 | 46.8 | 872 | 12.0 | 92 | 1.3 | 0 | 0.0 | 4,360 | 60.1 |
| | Female | 0 | 0.0 | 2,157 | 29.7 | 642 | 8.9 | 92 | 1.3 | 0 | 0.0 | 2,891 | 39.9 |
| | Subtotal | 0 | 0.0 | 5,553 | 76.6 | 1,514 | 20.9 | 184 | 2.5 | 0 | 0.0 | 7,251 | 100.0 |
| Period 3 [c] | Male | 0 | 0.0 | 5,026 | 37.8 | 1,363 | 10.3 | 170 | 1.3 | 0 | 0.0 | 6,559 | 49.4 |
| | Female | 0 | 0.0 | 4,855 | 36.5 | 1,448 | 10.9 | 426 | 3.2 | 0 | 0.0 | 6,729 | 50.6 |
| | Subtotal | 0 | 0.0 | 9,881 | 74.4 | 2,811 | 21.2 | 596 | 4.5 | 0 | 0.0 | 13,288 | 100.0 |
| Period 4 [d] | Male | 0 | 0.0 | 2,990 | 25.9 | 1,240 | 10.8 | 365 | 3.2 | 0 | 0.0 | 4,594 | 39.9 |
| | Female | 73 | 0.6 | 5,105 | 44.3 | 1,458 | 12.7 | 292 | 2.5 | 0 | 0.0 | 6,928 | 60.1 |
| | Subtotal | 73 | 0.6 | 8,095 | 70.3 | 2,698 | 23.4 | 656 | 5.7 | 0 | 0.0 | 11,522 | 100.0 |
| Period 5 [e] | Male | 0 | 0.0 | 1,496 | 25.3 | 636 | 10.8 | 187 | 3.2 | 0 | 0.0 | 2,320 | 39.2 |
| | Female | 37 | 0.6 | 2,619 | 44.3 | 935 | 15.8 | 0 | 0.0 | 0 | 0.0 | 3,591 | 60.8 |
| | Subtotal | 37 | 0.6 | 4,115 | 69.6 | 1,571 | 26.6 | 187 | 3.2 | 0 | 0.0 | 5,911 | 100.0 |
| Total [f] | Male | 0 | 0.0 | 20,659 | 36.2 | 6,741 | 11.8 | 1,595 | 2.8 | 0 | 0.0 | 28,996 | 50.8 |
| | Female | 72 | 0.1 | 19,717 | 34.6 | 6,814 | 11.9 | 1,450 | 2.5 | 0 | 0.0 | 28,053 | 49.2 |
| | Subtotal | 72 | 0.1 | 40,376 | 70.8 | 13,555 | 23.8 | 3,045 | 5.3 | 0 | 0.0 | 57,049 | 100.0 |

*Note*: All commercial fishing periods were restricted to 6.0 in or smaller mesh gillnets.

[a] Age and sex proportions from District 1 Period 1 samples were applied to the harvest of this period to estimate composition.

[b] Age and sex proportions from District 1 Periods 5 and 7 samples were applied to the harvest of this period to estimate composition.

[c] Age and sex proportions from District 1 Periods 7 and 8 samples were applied to the harvest of this period to estimate composition.

[d] Age and sex proportions from District 1 Periods 8 and 9 samples were applied to the harvest of this period to estimate composition.

[e] Age and sex proportions from District 1 Periods 9 and 10 samples were applied to the harvest of this period to estimate composition.

[f] Age and sex proportions from all District 1 samples were applied to the total harvest to estimate composition.

Appendix B3.–Yukon River Subdistrict 4-A summer chum salmon commercial fish wheel harvest, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/8–10 | 77 | Male | 0 | 0.0 | 1,332 | 11.7 | 444 | 3.9 | 0 | 0.0 | 0 | 0.0 | 1,776 | 15.6 |
| Periods 7, 8, 9 | | Female | 0 | 0.0 | 7,547 | 66.2 | 1,776 | 15.6 | 296 | 2.6 | 0 | 0.0 | 9,618 | 84.4 |
| | | Subtotal | 0 | 0.0 | 8,878 | 77.9 | 2,220 | 19.5 | 296 | 2.6 | 0 | 0.0 | 11,394 | 100.0 |
| | | Male Mean Length | – | | 563 | | 600 | | – | | – | | | |
| | | SE | – | | 9 | | 11 | | – | | – | | | |
| | | Range | – | | 511–613 | | 578–616 | | – | | – | | | |
| | | n | – | | 9 | | 3 | | – | | – | | | |
| | | Female Mean Length | – | | 535 | | 537 | | 544 | | – | | | |
| | | SE | – | | 4 | | 9 | | 5 | | – | | | |
| | | Range | – | | 481–633 | | 502–606 | | 539–549 | | – | | | |
| | | n | – | | 51 | | 12 | | 2 | | – | | | |
| 7/11–13 | 79 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Periods 10, 11, 12 | | Female | 0 | 0.0 | 10,478 | 84.8 | 1,720 | 13.9 | 156 | 1.3 | 0 | 0.0 | 12,355 | 100.0 |
| | | Subtotal | 0 | 0.0 | 10,478 | 84.8 | 1,720 | 13.9 | 156 | 1.3 | 0 | 0.0 | 12,355 | 100.0 |
| | | Male Mean Length | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | – | | 522 | | 538 | | 519 | | – | | | |
| | | SE | – | | 3 | | 7 | | – | | – | | | |
| | | Range | – | | 475–581 | | 507–572 | | – | | – | | | |
| | | n | – | | 67 | | 11 | | 1 | | – | | | |
| 7/14–16, 18–20, 22–24 | 219 | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Period 13 | | Female | 386 | 0.5 | 69,044 | 81.7 | 12,729 | 15.1 | 2,314 | 2.7 | 0 | 0.0 | 84,473 | 100.0 |
| | | Subtotal | 386 | 0.5 | 69,044 | 81.7 | 12,729 | 15.1 | 2,314 | 2.7 | 0 | 0.0 | 84,473 | 100.0 |
| | | Male Mean Length | – | | – | | – | | – | | – | | | |
| | | SE | – | | – | | – | | – | | – | | | |
| | | Range | – | | – | | – | | – | | – | | | |
| | | n | – | | – | | – | | – | | – | | | |
| | | Female Mean Length | 497 | | 522 | | 537 | | 550 | | – | | | |
| | | SE | – | | 2 | | 5 | | 10 | | – | | | |
| | | Range | – | | 444–582 | | 472–588 | | 519–581 | | – | | | |
| | | n | 1 | | 179 | | 33 | | 6 | | – | | | |
| Season | 375 | Male | 0 | 0.0 | 1,332 | 1.2 | 444 | 0.4 | 0 | 0.0 | 0 | 0.0 | 1,776 | 1.6 |
| | | Female | 386 | 0.4 | 87,069 | 80.5 | 16,225 | 15.0 | 2,767 | 2.6 | 0 | 0.0 | 106,446 | 98.4 |
| | | Total | 386 | 0.4 | 88,401 | 81.7 | 16,669 | 15.4 | 2,767 | 2.6 | 0 | 0.0 | 108,222 | 100.0 |
| | | Male Mean Length | – | | 563 | | 600 | | – | | – | | | |
| | | SE | – | | 9 | | 11 | | – | | – | | | |
| | | Range | – | | 511–613 | | 578–616 | | – | | – | | | |
| | | n | – | | 9 | | 3 | | – | | – | | | |
| | | Female Mean Length | 497 | | 524 | | 537 | | 546 | | – | | | |
| | | SE | – | | 1 | | 4 | | 8 | | – | | | |
| | | Range | – | | 444–633 | | 472–606 | | 519–581 | | – | | | |
| | | n | 1 | | 297 | | 56 | | 9 | | – | | | |

*Note*: Period 7 is only period that males were bought.

Appendix B4.–Yukon River District 6 summer chum salmon commercial fish wheel harvest, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/24 | 96 | Male | 0 | 0.0 | 198 | 22.9 | 135 | 15.6 | 9 | 1.0 | 0 | 0.0 | 342 | 39.6 |
| Periods 1, 2 | | Female | 0 | 0.0 | 333 | 38.5 | 180 | 20.8 | 9 | 1.0 | 0 | 0.0 | 521 | 60.4 |
| | | Subtotal | 0 | 0.0 | 530 | 61.5 | 315 | 36.5 | 18 | 2.1 | 0 | 0.0 | 863 | 100.0 |
| | | Male Mean Length | – | | 570 | | 595 | | 592 | | – | | | |
| | | SE | – | | 6 | | 6 | | – | | – | | | |
| | | Range | – | | 525–623 | | 558–644 | | – | | – | | | |
| | | n | – | | 22 | | 15 | | 1 | | – | | | |
| | | Female Mean Length | – | | 560 | | 576 | | 550 | | – | | | |
| | | SE | – | | 4 | | 5 | | – | | – | | | |
| | | Range | – | | 492–611 | | 548–622 | | – | | – | | | |
| | | n | – | | 37 | | 20 | | 1 | | – | | | |
| 8/4, 12 | 116 | Male | 0 | 0.0 | 729 | 27.6 | 159 | 6.0 | 0 | 0.0 | 0 | 0.0 | 888 | 33.6 |
| Periods 4, 6 | | Female | 68 | 2.6 | 1,321 | 50.0 | 342 | 12.9 | 23 | 0.9 | 0 | 0.0 | 1,753 | 66.4 |
| | | Subtotal | 68 | 2.6 | 2,049 | 77.6 | 501 | 19.0 | 23 | 0.9 | 0 | 0.0 | 2,641 | 100.0 |
| | | Male Mean Length | – | | 567 | | 618 | | – | | – | | | |
| | | SE | – | | 7 | | 14 | | – | | – | | | |
| | | Range | – | | 495–681 | | 587–693 | | – | | – | | | |
| | | n | – | | 32 | | 7 | | – | | – | | | |
| | | Female Mean Length | 508 | | 538 | | 559 | | 559 | | – | | | |
| | | SE | 18 | | 3 | | 7 | | – | | – | | | |
| | | Range | 474–534 | | 491–587 | | 517–617 | | – | | – | | | |
| | | n | 3 | | 58 | | 15 | | 1 | | – | | | |
| Season | 212 | Male | 0 | 0 | 926 | 26.44 | 294 | 8.4 | 9 | 0.26 | 0 | 0.0 | 1,230 | 35.1 |
| | | Female | 68 | 1.95 | 1,653 | 47.18 | 521 | 14.9 | 32 | 0.91 | 0 | 0.0 | 2,274 | 64.9 |
| | | Total | 68 | 1.95 | 2,579 | 73.61 | 816 | 23.3 | 41 | 1.16 | 0 | 0.0 | 3,504 | 100.0 |
| | | Male Mean Length | – | | 568 | | 613 | | 592 | | – | | | |
| | | SE | – | | 5 | | 11 | | – | | – | | | |
| | | Range | – | | 495–681 | | 558–693 | | – | | – | | | |
| | | n | – | | 54 | | 22 | | 1 | | – | | | |
| | | Female Mean Length | 508 | | 544 | | 563 | | 557 | | – | | | |
| | | SE | 18 | | 3 | | 5 | | – | | – | | | |
| | | Range | 474–534 | | 491–611 | | 517–622 | | 550–559 | | – | | | |
| | | n | 3 | | 95 | | 35 | | 2 | | – | | | |

*Note*: Fish were only harvested during Periods 1, 2, 4, and 6.

Appendix B5.–Coastal District Dall Point test fishery summer chum salmon 5.5 in mesh drift gillnet, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/16–19 | 109 | Male | 0 | 0.0 | 38 | 34.9 | 19 | 17.4 | 5 | 4.6 | 0 | 0.0 | 62 | 56.9 |
| Quartile 1 | | Female | 0 | 0.0 | 23 | 21.1 | 20 | 18.3 | 4 | 3.7 | 0 | 0.0 | 47 | 43.1 |
| | | Subtotal | 0 | 0.0 | 61 | 56.0 | 39 | 35.8 | 9 | 8.3 | 0 | 0.0 | 109 | 100.0 |
| | | Male Mean Length | – | | 560 | | 583 | | 593 | | – | | | |
| | | SE | – | | 4 | | 8 | | 13 | | – | | | |
| | | Range | – | | 505–610 | | 526–667 | | 544–619 | | – | | | |
| | | n | – | | 38 | | 19 | | 5 | | – | | | |
| | | Female Mean Length | – | | 552 | | 571 | | 561 | | – | | | |
| | | SE | – | | 5 | | 6 | | 11 | | – | | | |
| | | Range | – | | 505–592 | | 521–627 | | 530–584 | | – | | | |
| | | n | – | | 23 | | 20 | | 4 | | – | | | |
| 6/21–23, 25–26 | 114 | Male | 0 | 0.0 | 52 | 45.6 | 19 | 16.7 | 4 | 3.5 | 0 | 0.0 | 75 | 65.8 |
| Quartile 2 | | Female | 0 | 0.0 | 20 | 17.5 | 14 | 12.3 | 5 | 4.4 | 0 | 0.0 | 39 | 34.2 |
| | | Subtotal | 0 | 0.0 | 72 | 63.2 | 33 | 28.9 | 9 | 7.9 | 0 | 0.0 | 114 | 100.0 |
| | | Male Mean Length | – | | 561 | | 599 | | 598 | | – | | | |
| | | SE | – | | 3 | | 7 | | 14 | | – | | | |
| | | Range | – | | 508–612 | | 537–651 | | 568–633 | | – | | | |
| | | n | – | | 52 | | 19 | | 4 | | – | | | |
| | | Female Mean Length | – | | 552 | | 573 | | 581 | | – | | | |
| | | SE | – | | 6 | | 6 | | 21 | | – | | | |
| | | Range | – | | 503–636 | | 517–619 | | 539–651 | | – | | | |
| | | n | – | | 20 | | 14 | | 5 | | – | | | |
| 6/27–7/1 | 105 | Male | 0 | 0.0 | 46 | 43.8 | 21 | 20.0 | 3 | 2.9 | 0 | 0.0 | 70 | 66.7 |
| Quartile 3 | | Female | 0 | 0.0 | 17 | 16.2 | 15 | 14.3 | 3 | 2.9 | 0 | 0.0 | 35 | 33.3 |
| | | Subtotal | 0 | 0.0 | 63 | 60.0 | 36 | 34.3 | 6 | 5.7 | 0 | 0.0 | 105 | 100.0 |
| | | Male Mean Length | – | | 572 | | 592 | | 607 | | – | | | |
| | | SE | – | | 4 | | 8 | | 1 | | – | | | |
| | | Range | – | | 518–643 | | 496–664 | | 606–608 | | – | | | |
| | | n | – | | 46 | | 21 | | 3 | | – | | | |
| | | Female Mean Length | – | | 550 | | 571 | | 568 | | – | | | |
| | | SE | – | | 5 | | 4 | | 9 | | – | | | |
| | | Range | – | | 521–585 | | 536–591 | | 555–585 | | – | | | |
| | | n | – | | 17 | | 15 | | 3 | | – | | | |
| 7/3–6, 9 | 103 | Male | 0 | 0.0 | 39 | 37.9 | 18 | 17.5 | 2 | 1.9 | 0 | 0.0 | 59 | 57.3 |
| Quartile 4 | | Female | 0 | 0.0 | 30 | 29.1 | 12 | 11.7 | 2 | 1.9 | 0 | 0.0 | 44 | 42.7 |
| | | Subtotal | 0 | 0.0 | 69 | 67.0 | 30 | 29.1 | 4 | 3.9 | 0 | 0.0 | 103 | 100.0 |
| | | Male Mean Length | – | | 566 | | 595 | | 550 | | – | | | |
| | | SE | – | | 4 | | 8 | | 10 | | – | | | |
| | | Range | – | | 490–616 | | 538–651 | | 540–560 | | – | | | |
| | | n | – | | 39 | | 18 | | 2 | | – | | | |
| | | Female Mean Length | – | | 549 | | 573 | | 555 | | – | | | |
| | | SE | – | | 4 | | 8 | | 7 | | – | | | |
| | | Range | – | | 510–607 | | 538–630 | | 548–561 | | – | | | |
| | | n | – | | 30 | | 12 | | 2 | | – | | | |

Appendix B6.–Lower Yukon River test fishery (Big Eddy site) summer chum salmon 5.5 in mesh drift gillnet, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/9–10, 13–22 | 299 | Male | 0 | 0.0 | 86 | 28.8 | 55 | 18.4 | 11 | 3.7 | 0 | 0.0 | 152 | 50.8 |
| Quartile 1 | | Female | 0 | 0.0 | 68 | 22.7 | 65 | 21.7 | 14 | 4.7 | 0 | 0.0 | 147 | 49.2 |
| | | Subtotal | 0 | 0.0 | 154 | 51.5 | 120 | 40.1 | 25 | 8.4 | 0 | 0.0 | 299 | 100.0 |
| | | Male Mean Length | – | | 569 | | 595 | | 586 | | – | | | |
| | | SE | – | | 3 | | 4 | | 11 | | – | | | |
| | | Range | – | | 510–623 | | 523–651 | | 531–631 | | – | | | |
| | | n | – | | 86 | | 55 | | 11 | | – | | | |
| | | Female Mean Length | – | | 548 | | 564 | | 564 | | – | | | |
| | | SE | – | | 2 | | 3 | | 7 | | – | | | |
| | | Range | – | | 509–603 | | 506–612 | | 521–618 | | – | | | |
| | | n | – | | 68 | | 65 | | 14 | | – | | | |
| 6/23–30 | 238 | Male | 0 | 0.0 | 76 | 31.9 | 27 | 11.3 | 1 | 0.4 | 0 | 0.0 | 104 | 43.7 |
| Quartile 2 | | Female | 0 | 0.0 | 99 | 41.6 | 27 | 11.3 | 8 | 3.4 | 0 | 0.0 | 134 | 56.3 |
| | | Subtotal | 0 | 0.0 | 175 | 73.5 | 54 | 22.7 | 9 | 3.8 | 0 | 0.0 | 238 | 100.0 |
| | | Male Mean Length | – | | 556 | | 590 | | 558 | | – | | | |
| | | SE | – | | 3 | | 6 | | – | | – | | | |
| | | Range | – | | 507–630 | | 531–649 | | – | | – | | | |
| | | n | – | | 76 | | 27 | | 1 | | – | | | |
| | | Female Mean Length | – | | 541 | | 561 | | 569 | | – | | | |
| | | SE | – | | 2 | | 4 | | 7 | | – | | | |
| | | Range | – | | 502–600 | | 530–625 | | 543–603 | | – | | | |
| | | n | – | | 99 | | 27 | | 8 | | – | | | |
| 7/1–5 | 148 | Male | 0 | 0.0 | 51 | 34.5 | 13 | 8.8 | 3 | 2.0 | 0 | 0.0 | 67 | 45.3 |
| Quartile 3 | | Female | 0 | 0.0 | 57 | 38.5 | 16 | 10.8 | 8 | 5.4 | 0 | 0.0 | 81 | 54.7 |
| | | Subtotal | 0 | 0.0 | 108 | 73.0 | 29 | 19.6 | 11 | 7.4 | 0 | 0.0 | 148 | 100.0 |
| | | Male Mean Length | – | | 552 | | 578 | | 580 | | – | | | |
| | | SE | – | | 3 | | 7 | | 18 | | – | | | |
| | | Range | – | | 504–604 | | 547–631 | | 551–614 | | – | | | |
| | | n | – | | 51 | | 13 | | 3 | | – | | | |
| | | Female Mean Length | – | | 536 | | 551 | | 542 | | – | | | |
| | | SE | – | | 3 | | 5 | | 10 | | – | | | |
| | | Range | – | | 491–589 | | 526–600 | | 516–598 | | – | | | |
| | | n | – | | 57 | | 16 | | 8 | | – | | | |
| 7/6–15 | 274 | Male | 0 | 0.0 | 86 | 31.4 | 16 | 5.8 | 2 | 0.7 | 0 | 0.0 | 104 | 38.0 |
| Quartile 4 | | Female | 0 | 0.0 | 121 | 44.2 | 41 | 15.0 | 8 | 2.9 | 0 | 0.0 | 170 | 62.0 |
| | | Subtotal | 0 | 0.0 | 207 | 75.5 | 57 | 20.8 | 10 | 3.6 | 0 | 0.0 | 274 | 100.0 |
| | | Male Mean Length | – | | 554 | | 572 | | 571 | | – | | | |
| | | SE | – | | 3 | | 6 | | 23 | | – | | | |
| | | Range | – | | 490–624 | | 510–610 | | 548–593 | | – | | | |
| | | n | – | | 86 | | 16 | | 2 | | – | | | |
| | | Female Mean Length | – | | 540 | | 550 | | 561 | | – | | | |
| | | SE | – | | 2 | | 4 | | 6 | | – | | | |
| | | Range | – | | 473–610 | | 502–622 | | 540–589 | | – | | | |
| | | n | – | | 121 | | 41 | | 8 | | – | | | |

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Appendix B6.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 959 | Male | 0 | 0.0 | 299 | 31.2 | 111 | 11.6 | 17 | 1.8 | 0 | 0.0 | 427 | 44.5 |
| | | Female | 0 | 0.0 | 345 | 36.0 | 149 | 15.5 | 38 | 4.0 | 0 | 0.0 | 532 | 55.5 |
| | | Total | 0 | 0.0 | 644 | 67.2 | 260 | 27.1 | 55 | 5.7 | 0 | 0.0 | 959 | 100.0 |
| | | Male Mean Length | – | | 559 | | 588 | | 582 | | – | | | |
| | | SE | – | | 1 | | 3 | | 8 | | – | | | |
| | | Range | – | | 490–630 | | 510–651 | | 531–631 | | – | | | |
| | | n | – | | 299 | | 111 | | 17 | | – | | | |
| | | Female Mean Length | – | | 541 | | 558 | | 560 | | – | | | |
| | | SE | – | | 1 | | 2 | | 4 | | – | | | |
| | | Range | – | | 473–610 | | 502–625 | | 516–618 | | – | | | |
| | | n | – | | 345 | | 149 | | 38 | | – | | | |

Appendix B7.–Lower Yukon River test fishery (Middle Mouth site) summer chum salmon 5.5 in mesh drift gillnet, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/14–22 | 150 | Male | 0 | 0.0 | 42 | 28.0 | 22 | 14.7 | 3 | 2.0 | 0 | 0.0 | 67 | 44.7 |
| Quartile 1 | | Female | 0 | 0.0 | 32 | 21.3 | 45 | 30.0 | 6 | 4.0 | 0 | 0.0 | 83 | 55.3 |
| | | Subtotal | 0 | 0.0 | 74 | 49.3 | 67 | 44.7 | 9 | 6.0 | 0 | 0.0 | 150 | 100.0 |
| | | Male Mean Length | – | | 570 | | 593 | | 572 | | – | | | |
| | | SE | – | | 4 | | 6 | | 11 | | – | | | |
| | | Range | – | | 510–610 | | 552–650 | | 554–591 | | – | | | |
| | | n | – | | 42 | | 22 | | 3 | | – | | | |
| | | Female Mean Length | – | | 549 | | 568 | | 578 | | – | | | |
| | | SE | – | | 3 | | 3 | | 8 | | – | | | |
| | | Range | – | | 514–577 | | 516–598 | | 555–604 | | – | | | |
| | | n | – | | 32 | | 45 | | 6 | | – | | | |
| 6/23–30 | 169 | Male | 0 | 0.0 | 61 | 36.1 | 14 | 8.3 | 2 | 1.2 | 0 | 0.0 | 77 | 45.6 |
| Quartile 2 | | Female | 0 | 0.0 | 67 | 39.6 | 22 | 13.0 | 3 | 1.8 | 0 | 0.0 | 92 | 54.4 |
| | | Subtotal | 0 | 0.0 | 128 | 75.7 | 36 | 21.3 | 5 | 3.0 | 0 | 0.0 | 169 | 100.0 |
| | | Male Mean Length | – | | 556 | | 566 | | 591 | | – | | | |
| | | SE | – | | 3 | | 8 | | 11 | | – | | | |
| | | Range | – | | 510–676 | | 496–609 | | 580–602 | | – | | | |
| | | n | – | | 61 | | 14 | | 2 | | – | | | |
| | | Female Mean Length | – | | 546 | | 562 | | 572 | | – | | | |
| | | SE | – | | 2 | | 5 | | 8 | | – | | | |
| | | Range | – | | 514–588 | | 537–603 | | 558–586 | | – | | | |
| | | n | – | | 67 | | 22 | | 3 | | – | | | |
| 7/1–5 | 117 | Male | 0 | 0.0 | 40 | 34.2 | 7 | 6.0 | 2 | 1.7 | 0 | 0.0 | 49 | 41.9 |
| Quartile 3 | | Female | 0 | 0.0 | 54 | 46.2 | 11 | 9.4 | 3 | 2.6 | 0 | 0.0 | 68 | 58.1 |
| | | Subtotal | 0 | 0.0 | 94 | 80.3 | 18 | 15.4 | 5 | 4.3 | 0 | 0.0 | 117 | 100.0 |
| | | Male Mean Length | – | | 551 | | 584 | | 547 | | – | | | |
| | | SE | – | | 4 | | 13 | | 22 | | – | | | |
| | | Range | – | | 511–599 | | 554–659 | | 525–569 | | – | | | |
| | | n | – | | 40 | | 7 | | 2 | | – | | | |
| | | Female Mean Length | – | | 543 | | 565 | | 579 | | – | | | |
| | | SE | – | | 2 | | 5 | | 1 | | – | | | |
| | | Range | – | | 500–581 | | 530–591 | | 577–582 | | – | | | |
| | | n | – | | 54 | | 11 | | 3 | | – | | | |
| 7/6–15 | 181 | Male | 0 | 0.0 | 53 | 29.3 | 5 | 2.8 | 5 | 2.8 | 0 | 0.0 | 63 | 34.8 |
| Quartile 4 | | Female | 0 | 0.0 | 90 | 49.7 | 22 | 12.2 | 6 | 3.3 | 0 | 0.0 | 118 | 65.2 |
| | | Subtotal | 0 | 0.0 | 143 | 79.0 | 27 | 14.9 | 11 | 6.1 | 0 | 0.0 | 181 | 100.0 |
| | | Male Mean Length | – | | 558 | | 586 | | 582 | | – | | | |
| | | SE | – | | 3 | | 15 | | 13 | | – | | | |
| | | Range | – | | 496–620 | | 556–624 | | 546–625 | | – | | | |
| | | n | – | | 53 | | 5 | | 5 | | – | | | |
| | | Female Mean Length | – | | 541 | | 560 | | 574 | | – | | | |
| | | SE | – | | 2 | | 5 | | 10 | | – | | | |
| | | Range | – | | 493–591 | | 527–603 | | 538–600 | | – | | | |
| | | n | – | | 90 | | 22 | | 6 | | – | | | |

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Appendix B7.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 617 | Male | 0 | 0.0 | 196 | 31.8 | 48 | 7.8 | 12 | 1.9 | 0 | 0.0 | 256 | 41.5 |
| | | Female | 0 | 0.0 | 243 | 39.4 | 100 | 16.2 | 18 | 2.9 | 0 | 0.0 | 361 | 58.5 |
| | | Total | 0 | 0.0 | 439 | 71.2 | 148 | 24.0 | 30 | 4.9 | 0 | 0.0 | 617 | 100.0 |
| | | Male Mean Length | – | | 559 | | 583 | | 575 | | – | | | |
| | | SE | – | | 2 | | 4 | | 8 | | – | | | |
| | | Range | – | | 496–676 | | 496–659 | | 525–625 | | – | | | |
| | | n | – | | 196 | | 48 | | 12 | | – | | | |
| | | Female Mean Length | – | | 544 | | 565 | | 576 | | – | | | |
| | | SE | – | | 1 | | 2 | | 4 | | – | | | |
| | | Range | – | | 493–591 | | 516–603 | | 538–604 | | – | | | |
| | | n | – | | 243 | | 100 | | 18 | | – | | | |

Appendix B8.–Lower Yukon River test fishery (combined Big Eddy and Middle Mouth sites) summer chum salmon 5.5 in mesh drift gillnet, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/9–10, 13–22 | 449 | Male | 0 | 0.0 | 128 | 28.5 | 77 | 17.1 | 14 | 3.1 | 0 | 0.0 | 219 | 48.8 |
| Quartile 1 | | Female | 0 | 0.0 | 100 | 22.3 | 110 | 24.5 | 20 | 4.5 | 0 | 0.0 | 230 | 51.2 |
| | | Subtotal | 0 | 0.0 | 228 | 50.8 | 187 | 41.6 | 34 | 7.6 | 0 | 0.0 | 449 | 100.0 |
| | | Male Mean Length | – | | 570 | | 594 | | 583 | | – | | | |
| | | SE | – | | 2 | | 3 | | 9 | | – | | | |
| | | Range | – | | 510–623 | | 523–651 | | 531–631 | | – | | | |
| | | n | – | | 128 | | 77 | | 14 | | – | | | |
| | | Female Mean Length | – | | 548 | | 566 | | 568 | | – | | | |
| | | SE | – | | 2 | | 2 | | 6 | | – | | | |
| | | Range | – | | 509–603 | | 506–612 | | 521–618 | | – | | | |
| | | n | – | | 100 | | 110 | | 20 | | – | | | |
| 6/23–30 | 407 | Male | 0 | 0.0 | 137 | 33.7 | 41 | 10.1 | 3 | 0.7 | 0 | 0.0 | 181 | 44.5 |
| Quartile 2 | | Female | 0 | 0.0 | 166 | 40.8 | 49 | 12.0 | 11 | 2.7 | 0 | 0.0 | 226 | 55.5 |
| | | Subtotal | 0 | 0.0 | 303 | 74.4 | 90 | 22.1 | 14 | 3.4 | 0 | 0.0 | 407 | 100.0 |
| | | Male Mean Length | – | | 556 | | 582 | | 580 | | – | | | |
| | | SE | – | | 2 | | 5 | | 13 | | – | | | |
| | | Range | – | | 507–676 | | 496–649 | | 558–602 | | – | | | |
| | | n | – | | 137 | | 41 | | 3 | | – | | | |
| | | Female Mean Length | – | | 543 | | 562 | | 570 | | – | | | |
| | | SE | – | | 1 | | 3 | | 5 | | – | | | |
| | | Range | – | | 502–600 | | 530–625 | | 543–603 | | – | | | |
| | | n | – | | 166 | | 49 | | 11 | | – | | | |
| 7/1–5 | 265 | Male | 0 | 0.0 | 91 | 34.3 | 20 | 7.5 | 5 | 1.9 | 0 | 0.0 | 116 | 43.8 |
| Quartile 3 | | Female | 0 | 0.0 | 111 | 41.9 | 27 | 10.2 | 11 | 4.2 | 0 | 0.0 | 149 | 56.2 |
| | | Subtotal | 0 | 0.0 | 202 | 76.2 | 47 | 17.7 | 16 | 6.0 | 0 | 0.0 | 265 | 100.0 |
| | | Male Mean Length | – | | 552 | | 580 | | 567 | | – | | | |
| | | SE | – | | 2 | | 6 | | 15 | | – | | | |
| | | Range | – | | 504–604 | | 547–659 | | 525–614 | | – | | | |
| | | n | – | | 91 | | 20 | | 5 | | – | | | |
| | | Female Mean Length | – | | 539 | | 557 | | 552 | | – | | | |
| | | SE | – | | 2 | | 4 | | 9 | | – | | | |
| | | Range | – | | 491–589 | | 526–600 | | 516–598 | | – | | | |
| | | n | – | | 111 | | 27 | | 11 | | – | | | |
| 7/6–15 | 455 | Male | 0 | 0.0 | 139 | 30.5 | 21 | 4.6 | 7 | 1.5 | 0 | 0.0 | 167 | 36.7 |
| Quartile 4 | | Female | 0 | 0.0 | 211 | 46.4 | 63 | 13.8 | 14 | 3.1 | 0 | 0.0 | 288 | 63.3 |
| | | Subtotal | 0 | 0.0 | 350 | 76.9 | 84 | 18.5 | 21 | 4.6 | 0 | 0.0 | 455 | 100.0 |
| | | Male Mean Length | – | | 555 | | 576 | | 578 | | – | | | |
| | | SE | – | | 2 | | 6 | | 10 | | – | | | |
| | | Range | – | | 490–624 | | 510–624 | | 546–625 | | – | | | |
| | | n | – | | 139 | | 21 | | 7 | | – | | | |
| | | Female Mean Length | – | | 541 | | 554 | | 567 | | – | | | |
| | | SE | – | | 1 | | 3 | | 6 | | – | | | |
| | | Range | – | | 473–610 | | 502–622 | | 538–600 | | – | | | |
| | | n | – | | 211 | | 63 | | 14 | | – | | | |

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Appendix B8.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 1,576 | Male | 0 | 0.0 | 495 | 31.4 | 159 | 10.1 | 29 | 1.8 | 0 | 0.0 | 683 | 43.3 |
| | | Female | 0 | 0.0 | 588 | 37.3 | 249 | 15.8 | 56 | 3.6 | 0 | 0.0 | 893 | 56.7 |
| | | Total | 0 | 0.0 | 1,083 | 68.7 | 408 | 25.9 | 85 | 5.4 | 0 | 0.0 | 1,576 | 100.0 |
| | | Male Mean Length | – | | 559 | | 587 | | 579 | | – | | | |
| | | SE | – | | 1 | | 2 | | 6 | | – | | | |
| | | Range | – | | 490–676 | | 496–659 | | 525–631 | | – | | | |
| | | n | – | | 495 | | 159 | | 29 | | – | | | |
| | | Female Mean Length | – | | 542 | | 561 | | 565 | | – | | | |
| | | SE | – | | 1 | | 2 | | 3 | | – | | | |
| | | Range | – | | 473–610 | | 502–625 | | 516–618 | | – | | | |
| | | n | – | | 588 | | 249 | | 56 | | – | | | |

Appendix B9.–Andreafsky River (East Fork) weir summer chum salmon escapement, age and sex composition, and mean length (mm), 2012.

| Sample Dates (Strata Dates) | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/1–4 | 151 | Male | 0 | 0.0 | 7,845 | 33.1 | 5,021 | 21.2 | 941 | 4.0 | 0 | 0.0 | 13,807 | 58.3 |
| (6/30–7/6) | | Female | 157 | 0.7 | 5,962 | 25.2 | 3,452 | 14.6 | 314 | 1.3 | 0 | 0.0 | 9,885 | 41.7 |
| | | Subtotal | 157 | 0.7 | 13,807 | 58.3 | 8,473 | 35.8 | 1,255 | 5.3 | 0 | 0.0 | 23,692 | 100.0 |
| | | Male Mean Length | – | | 565 | | 594 | | 602 | | – | | | |
| | | SE | – | | 4 | | 5 | | 17 | | – | | | |
| | | Range | – | | 479–625 | | 540–670 | | 548–652 | | – | | | |
| | | n | – | | 50 | | 32 | | 6 | | – | | | |
| | | Female Mean Length | 452 | | 527 | | 549 | | 569 | | – | | | |
| | | SE | – | | 3 | | 6 | | 21 | | – | | | |
| | | Range | – | | 488–574 | | 491–593 | | 548–590 | | – | | | |
| | | n | 1 | | 38 | | 22 | | 2 | | – | | | |
| 7/8–11 | 152 | Male | 102 | 0.7 | 4,813 | 30.9 | 1,741 | 11.2 | 614 | 3.9 | 0 | 0.0 | 7,270 | 46.7 |
| (7/7–13) | | Female | 0 | 0.0 | 6,656 | 42.8 | 1,536 | 9.9 | 102 | 0.7 | 0 | 0.0 | 8,295 | 53.3 |
| | | Subtotal | 102 | 0.7 | 11,469 | 73.7 | 3,277 | 21.1 | 717 | 4.6 | 0 | 0.0 | 15,565 | 100.0 |
| | | Male Mean Length | 539 | | 546 | | 569 | | 586 | | – | | | |
| | | SE | – | | 7 | | 8 | | 18 | | – | | | |
| | | Range | – | | 479–785 | | 490–610 | | 510–628 | | – | | | |
| | | n | 1 | | 47 | | 17 | | 6 | | – | | | |
| | | Female Mean Length | – | | 514 | | 538 | | 530 | | – | | | |
| | | SE | – | | 3 | | 7 | | – | | – | | | |
| | | Range | – | | 448–573 | | 497–592 | | – | | – | | | |
| | | n | – | | 65 | | 15 | | 1 | | – | | | |
| 7/15–18 | 154 | Male | 0 | 0.0 | 4,802 | 40.9 | 1,372 | 11.7 | 76 | 0.6 | 0 | 0.0 | 6,250 | 53.2 |
| (7/14–20) | | Female | 76 | 0.6 | 4,802 | 40.9 | 610 | 5.2 | 0 | 0.0 | 0 | 0.0 | 5,488 | 46.8 |
| | | Subtotal | 76 | 0.6 | 9,604 | 81.8 | 1,982 | 16.9 | 76 | 0.6 | 0 | 0.0 | 11,738 | 100.0 |
| | | Male Mean Length | – | | 543 | | 568 | | 573 | | – | | | |
| | | SE | – | | 4 | | 10 | | – | | – | | | |
| | | Range | – | | 482–605 | | 499–625 | | – | | – | | | |
| | | n | – | | 63 | | 18 | | 1 | | – | | | |
| | | Female Mean Length | 533 | | 517 | | 540 | | – | | – | | | |
| | | SE | – | | 4 | | 11 | | – | | – | | | |
| | | Range | – | | 436–578 | | 498–583 | | – | | – | | | |
| | | n | 1 | | 63 | | 8 | | – | | – | | | |
| 7/22–26 | 149 | Male | 0 | 0.0 | 1,717 | 30.2 | 534 | 9.4 | 114 | 2.0 | 0 | 0.0 | 2,366 | 41.6 |
| (7/21–8/1) | | Female | 0 | 0.0 | 2,594 | 45.6 | 649 | 11.4 | 76 | 1.3 | 0 | 0.0 | 3,319 | 58.4 |
| | | Subtotal | 0 | 0.0 | 4,311 | 75.8 | 1,183 | 20.8 | 191 | 3.4 | 0 | 0.0 | 5,685 | 100.0 |
| | | Male Mean Length | – | | 550 | | 551 | | 607 | | – | | | |
| | | SE | – | | 5 | | 11 | | 7 | | – | | | |
| | | Range | – | | 471–631 | | 470–605 | | 598–620 | | – | | | |
| | | n | – | | 45 | | 14 | | 3 | | – | | | |
| | | Female Mean Length | – | | 512 | | 520 | | 546 | | – | | | |
| | | SE | – | | 3 | | 7 | | 14 | | – | | | |
| | | Range | – | | 447–580 | | 478–571 | | 532–559 | | – | | | |
| | | n | – | | 68 | | 17 | | 2 | | – | | | |

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Appendix B9.–Page 2 of 2.

| Sample Dates (Strata Dates) | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Season | 606 | Male | 102 | 0.2 | 19,177 | 33.8 | 8,668 | 15.3 | 1,746 | 3.1 | 0 | 0.0 | 29,693 | 52.4 |
| | | Female | 233 | 0.4 | 20,015 | 35.3 | 6,246 | 11.0 | 493 | 0.9 | 0 | 0.0 | 26,987 | 47.6 |
| | | Total | 336 | 0.6 | 39,191 | 69.1 | 14,914 | 26.3 | 2,239 | 4.0 | 0 | 0.0 | 56,680 | 100.0 |
| | | Male Mean Length | 539 | | 554 | | 578 | | 592 | | – | | | |
| | | SE | – | | 3 | | 4 | | 11 | | – | | | |
| | | Range | – | | 471–785 | | 470–670 | | 510–652 | | – | | | |
| | | n | 1 | | 205 | | 81 | | 16 | | – | | | |
| | | Female Mean Length | 479 | | 520 | | 541 | | 553 | | – | | | |
| | | SE | – | | 2 | | 4 | | 17 | | – | | | |
| | | Range | 452–533 | | 436–580 | | 478–593 | | 530–590 | | – | | | |
| | | n | 2 | | 234 | | 62 | | 5 | | – | | | |

Appendix B10.–Anvik River sonar summer chum salmon escapement, age and sex composition, and mean length (mm), 2012.

| Sample Dates (Strata Dates) | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/29; 7/2 | 100 | Male | 975 | 1.0 | 27,307 | 28.0 | 28,282 | 29.0 | 3,901 | 4.0 | 0 | 0.0 | 60,465 | 62.0 |
| (6/18–7/4) | | Female | 0 | 0.0 | 19,505 | 20.0 | 14,629 | 15.0 | 2,926 | 3.0 | 0 | 0.0 | 37,059 | 38.0 |
| | | Subtotal | 975 | 1.0 | 46,812 | 48.0 | 42,911 | 44.0 | 6,827 | 7.0 | 0 | 0.0 | 97,524 | 100.0 |
| | | Male Mean Length | 540 | | 580 | | 614 | | 629 | | – | | | |
| | | SE | – | | 6 | | 7 | | 8 | | – | | | |
| | | Range | – | | 530–650 | | 540–690 | | 610–650 | | – | | | |
| | | n | 1 | | 28 | | 29 | | 4 | | – | | | |
| | | Female Mean Length | – | | 556 | | 576 | | 555 | | – | | | |
| | | SE | – | | 6 | | 10 | | 22 | | – | | | |
| | | Range | – | | 490–610 | | 500–650 | | 520–595 | | – | | | |
| | | n | – | | 20 | | 15 | | 3 | | – | | | |
| 7/6–8 | 132 | Male | 0 | 0.0 | 38,200 | 23.5 | 20,948 | 12.9 | 4,929 | 3.0 | 0 | 0.0 | 64,077 | 39.4 |
| (7/5–10) | | Female | 2,464 | 1.5 | 66,541 | 40.9 | 27,109 | 16.7 | 2,464 | 1.5 | 0 | 0.0 | 98,579 | 60.6 |
| | | Subtotal | 2,464 | 1.5 | 104,741 | 64.4 | 48,057 | 29.5 | 7,393 | 4.5 | 0 | 0.0 | 162,656 | 100.0 |
| | | Male Mean Length | – | | 580 | | 594 | | 591 | | – | | | |
| | | SE | – | | 8 | | 9 | | 5 | | – | | | |
| | | Range | – | | 510–688 | | 535–650 | | 580–605 | | – | | | |
| | | n | – | | 31 | | 17 | | 4 | | – | | | |
| | | Female Mean Length | 508 | | 535 | | 554 | | 545 | | – | | | |
| | | SE | 18 | | 3 | | 6 | | 30 | | – | | | |
| | | Range | 490–525 | | 480–590 | | 500–620 | | 515–575 | | – | | | |
| | | n | 2 | | 54 | | 22 | | 2 | | – | | | |
| 7/12–13, 19–20 | 190 | Male | 0 | 0.0 | 62,459 | 27.9 | 27,105 | 12.1 | 0 | 0.0 | 0 | 0.0 | 89,564 | 40.0 |
| (7/11–26) | | Female | 0 | 0.0 | 108,420 | 48.4 | 23,569 | 10.5 | 2,357 | 1.1 | 0 | 0.0 | 134,346 | 60.0 |
| | | Subtotal | 0 | 0.0 | 170,879 | 76.3 | 50,674 | 22.6 | 2,357 | 1.1 | 0 | 0.0 | 223,910 | 100.0 |
| | | Male Mean Length | – | | 574 | | 585 | | – | | – | | | |
| | | SE | – | | 4 | | 8 | | – | | – | | | |
| | | Range | – | | 500–680 | | 520–645 | | – | | – | | | |
| | | n | – | | 53 | | 23 | | – | | – | | | |
| | | Female Mean Length | – | | 531 | | 552 | | 535 | | – | | | |
| | | SE | – | | 3 | | 6 | | 25 | | – | | | |
| | | Range | – | | 480–590 | | 520–610 | | 510–560 | | – | | | |
| | | n | – | | 92 | | 20 | | 2 | | – | | | |
| Season | 422 | Male | 975 | 0.2 | 127,965 | 26.4 | 76,335 | 15.8 | 8,830 | 1.8 | 0 | 0.0 | 214,105 | 44.2 |
| | | Female | 2,464 | 0.5 | 194,465 | 40.2 | 65,307 | 13.5 | 7,747 | 1.6 | 0 | 0.0 | 269,985 | 55.8 |
| | | Total | 3,440 | 0.7 | 322,431 | 66.6 | 141,642 | 29.3 | 16,577 | 3.4 | 0 | 0.0 | 484,090 | 100.0 |
| | | Male Mean Length | 540 | | 577 | | 594 | | 605 | | – | | | |
| | | SE | – | | 3 | | 5 | | 4 | | – | | | |
| | | Range | – | | 500–688 | | 520–690 | | 580–650 | | – | | | |
| | | n | 1 | | 112 | | 69 | | 8 | | – | | | |
| | | Female Mean Length | 508 | | 537 | | 557 | | 542 | | – | | | |
| | | SE | 18 | | 2 | | 4 | | 16 | | – | | | |
| | | Range | 490–525 | | 480–610 | | 500–650 | | 510–595 | | – | | | |
| | | n | 2 | | 166 | | 57 | | 7 | | – | | | |

Appendix B11.–Gisasa River weir summer chum salmon escapement, age and sex composition, and mean length (mm), 2012.

| Sample Dates (Strata Dates) | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/28–7/4 | 218 | Male | 0 | 0.0 | 6,301 | 41.7 | 3,324 | 22.0 | 623 | 4.1 | 0 | 0.0 | 10,248 | 67.9 |
| (6/20–7/6) | | Female | 0 | 0.0 | 2,700 | 17.9 | 1,800 | 11.9 | 346 | 2.3 | 0 | 0.0 | 4,847 | 32.1 |
| | | Subtotal | 0 | 0.0 | 9,002 | 59.6 | 5,124 | 33.9 | 969 | 6.4 | 0 | 0.0 | 15,095 | 100.0 |
| | | Male Mean Length | – | | 572 | | 591 | | 596 | | – | | | |
| | | SE | – | | 3 | | 5 | | 10 | | – | | | |
| | | Range | – | | 500–635 | | 520–660 | | 530–625 | | – | | | |
| | | n | – | | 91 | | 48 | | 9 | | – | | | |
| | | Female Mean Length | – | | 549 | | 567 | | 569 | | – | | | |
| | | SE | – | | 4 | | 4 | | 12 | | – | | | |
| | | Range | – | | 500–600 | | 515–610 | | 535–600 | | – | | | |
| | | n | – | | 39 | | 26 | | 5 | | – | | | |
| 7/8–11 | 140 | Male | 0 | 0.0 | 9,513 | 33.6 | 2,226 | 7.9 | 202 | 0.7 | 0 | 0.0 | 11,942 | 42.1 |
| (7/7–13) | | Female | 0 | 0.0 | 12,144 | 42.9 | 4,048 | 14.3 | 202 | 0.7 | 0 | 0.0 | 16,394 | 57.9 |
| | | Subtotal | 0 | 0.0 | 21,657 | 76.4 | 6,274 | 22.1 | 405 | 1.4 | 0 | 0.0 | 28,336 | 100.0 |
| | | Male Mean Length | – | | 567 | | 585 | | 595 | | – | | | |
| | | SE | – | | 5 | | 9 | | – | | – | | | |
| | | Range | – | | 500–660 | | 540–630 | | – | | – | | | |
| | | n | – | | 47 | | 11 | | 1 | | – | | | |
| | | Female Mean Length | – | | 533 | | 543 | | 575 | | – | | | |
| | | SE | – | | 4 | | 6 | | – | | – | | | |
| | | Range | – | | 470–625 | | 500–585 | | – | | – | | | |
| | | n | – | | 60 | | 20 | | 1 | | – | | | |
| 7/15–18 | 128 | Male | 0 | 0.0 | 9,169 | 40.6 | 1,234 | 5.5 | 0 | 0.0 | 0 | 0.0 | 10,403 | 46.1 |
| (7/14–20) | | Female | 176 | 0.8 | 10,579 | 46.9 | 1,411 | 6.3 | 0 | 0.0 | 0 | 0.0 | 12,166 | 53.9 |
| | | Subtotal | 176 | 0.8 | 19,748 | 87.5 | 2,645 | 11.7 | 0 | 0.0 | 0 | 0.0 | 22,569 | 100.0 |
| | | Male Mean Length | – | | 554 | | 576 | | – | | – | | | |
| | | SE | – | | 5 | | 10 | | – | | – | | | |
| | | Range | – | | 480–680 | | 545–620 | | – | | – | | | |
| | | n | – | | 52 | | 7 | | – | | – | | | |
| | | Female Mean Length | 460 | | 522 | | 550 | | – | | – | | | |
| | | SE | – | | 4 | | 9 | | – | | – | | | |
| | | Range | – | | 460–605 | | 515–605 | | – | | – | | | |
| | | n | 1 | | 60 | | 8 | | – | | – | | | |
| 7/22–25, 29–30 | 201 | Male | 0 | 0.0 | 5,548 | 31.8 | 1,214 | 7.0 | 0 | 0.0 | 0 | 0.0 | 6,761 | 38.8 |
| (7/21–30) | | Female | 0 | 0.0 | 9,622 | 55.2 | 953 | 5.5 | 87 | 0.5 | 0 | 0.0 | 10,662 | 61.2 |
| | | Subtotal | 0 | 0.0 | 15,169 | 87.1 | 2,167 | 12.4 | 87 | 0.5 | 0 | 0.0 | 17,423 | 100.0 |
| | | Male Mean Length | – | | 553 | | 576 | | – | | – | | | |
| | | SE | – | | 4 | | 8 | | – | | – | | | |
| | | Range | – | | 460–630 | | 515–655 | | – | | – | | | |
| | | n | – | | 64 | | 14 | | – | | – | | | |
| | | Female Mean Length | – | | 516 | | 544 | | 570 | | – | | | |
| | | SE | – | | 3 | | 11 | | – | | – | | | |
| | | Range | – | | 435–580 | | 480–595 | | – | | – | | | |
| | | n | – | | 111 | | 11 | | 1 | | – | | | |

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Appendix B11.–Page 2 of 2.

| Sample Dates (Strata Dates) | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Season | 687 | Male | 0 | 0.0 | 30,530 | 36.6 | 7,998 | 9.6 | 826 | 1.0 | 0 | 0.0 | 39,354 | 47.2 |
| | | Female | 176 | 0.2 | 35,045 | 42.0 | 8,212 | 9.8 | 635 | 0.8 | 0 | 0.0 | 44,069 | 52.8 |
| | | Total | 176 | 0.2 | 65,576 | 78.6 | 16,210 | 19.4 | 1,461 | 1.8 | 0 | 0.0 | 83,423 | 100.0 |
| | | Male Mean Length | – | | 562 | | 582 | | 595 | | – | | | |
| | | SE | – | | 2 | | 4 | | 10 | | – | | | |
| | | Range | – | | 460–680 | | 515–660 | | 530–625 | | – | | | |
| | | n | – | | 254 | | 80 | | 10 | | – | | | |
| | | Female Mean Length | 460 | | 529 | | 549 | | 572 | | – | | | |
| | | SE | – | | 2 | | 4 | | 12 | | – | | | |
| | | Range | – | | 435–625 | | 480–610 | | 535–600 | | – | | | |
| | | n | 1 | | 270 | | 65 | | 7 | | – | | | |

Appendix B12.–Henshaw Creek weir summer chum salmon escapement, age and sex composition, and mean length (mm), 2012.

| Sample Dates (Strata Dates) | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/10, 12, 15–16 | 136 | Male | 764 | 0.7 | 52,699 | 50.7 | 12,984 | 12.5 | 1,528 | 1.5 | 0 | 0.0 | 67,974 | 65.4 |
| (6/24–7/17) | | Female | 0 | 0.0 | 28,259 | 27.2 | 5,346 | 5.1 | 2,291 | 2.2 | 0 | 0.0 | 35,896 | 34.6 |
| | | Subtotal | 764 | 0.7 | 80,958 | 77.9 | 18,330 | 17.6 | 3,819 | 3.7 | 0 | 0.0 | 103,870 | 100.0 |
| | | Male Mean Length | 503 | | 565 | | 584 | | 603 | | – | | | |
| | | SE | – | | 3 | | 6 | | 12 | | – | | | |
| | | Range | – | | 505–625 | | 537–613 | | 591–615 | | – | | | |
| | | n | 1 | | 69 | | 17 | | 2 | | – | | | |
| | | Female Mean Length | – | | 554 | | 558 | | 572 | | – | | | |
| | | SE | – | | 4 | | 3 | | 14 | | – | | | |
| | | Range | – | | 490–608 | | 540–565 | | 557–600 | | – | | | |
| | | n | – | | 37 | | 7 | | 3 | | – | | | |
| 7/19–21, 23 | 127 | Male | 0 | 0.0 | 31,444 | 34.6 | 5,003 | 5.5 | 715 | 0.8 | 0 | 0.0 | 37,162 | 40.9 |
| (7/18–23) | | Female | 1,429 | 1.6 | 43,593 | 48.0 | 7,861 | 8.7 | 715 | 0.8 | 0 | 0.0 | 53,598 | 59.1 |
| | | Subtotal | 1,429 | 1.6 | 75,038 | 82.7 | 12,864 | 14.2 | 1,429 | 1.6 | 0 | 0.0 | 90,760 | 100.0 |
| | | Male Mean Length | – | | 560 | | 573 | | 571 | | – | | | |
| | | SE | – | | 4 | | 10 | | – | | – | | | |
| | | Range | – | | 521–645 | | 540–610 | | – | | – | | | |
| | | n | – | | 44 | | 7 | | 1 | | – | | | |
| | | Female Mean Length | 515 | | 540 | | 548 | | 573 | | – | | | |
| | | SE | 5 | | 3 | | 11 | | – | | – | | | |
| | | Range | 510–520 | | 477–595 | | 469–610 | | – | | – | | | |
| | | n | 2 | | 61 | | 11 | | 1 | | – | | | |
| 7/24, 26–27, 29 | 97 | Male | 0 | 0.0 | 17,439 | 27.8 | 3,229 | 5.2 | 0 | 0.0 | 0 | 0.0 | 20,669 | 33.0 |
| (7/24–29) | | Female | 0 | 0.0 | 40,046 | 63.9 | 1,938 | 3.1 | 0 | 0.0 | 0 | 0.0 | 41,983 | 67.0 |
| | | Subtotal | 0 | 0.0 | 57,485 | 91.8 | 5,167 | 8.2 | 0 | 0.0 | 0 | 0.0 | 62,652 | 100.0 |
| | | Male Mean Length | – | | 555 | | 563 | | – | | – | | | |
| | | SE | – | | 5 | | 7 | | – | | – | | | |
| | | Range | – | | 520–641 | | 545–587 | | – | | – | | | |
| | | n | – | | 27 | | 5 | | – | | – | | | |
| | | Female Mean Length | – | | 523 | | 520 | | – | | – | | | |
| | | SE | – | | 4 | | 38 | | – | | – | | | |
| | | Range | – | | 426–593 | | 457–588 | | – | | – | | | |
| | | n | – | | 62 | | 3 | | – | | – | | | |
| 7/30; 8/1, 3 | 118 | Male | 0 | 0.0 | 12,976 | 37.3 | 590 | 1.7 | 0 | 0.0 | 0 | 0.0 | 13,566 | 39.0 |
| (7/30–8/4) | | Female | 295 | 0.8 | 19,169 | 55.1 | 1,769 | 5.1 | 0 | 0.0 | 0 | 0.0 | 21,234 | 61.0 |
| | | Subtotal | 295 | 0.8 | 32,146 | 92.4 | 2,359 | 6.8 | 0 | 0.0 | 0 | 0.0 | 34,800 | 100.0 |
| | | Male Mean Length | – | | 555 | | 575 | | – | | – | | | |
| | | SE | – | | 4 | | 35 | | – | | – | | | |
| | | Range | – | | 495–665 | | 540–610 | | – | | – | | | |
| | | n | – | | 44 | | 2 | | – | | – | | | |
| | | Female Mean Length | 503 | | 544 | | 549 | | – | | – | | | |
| | | SE | – | | 3 | | 18 | | – | | – | | | |
| | | Range | – | | 485–612 | | 515–632 | | – | | – | | | |
| | | n | 1 | | 65 | | 6 | | – | | – | | | |

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Appendix B12.–Page 2 of 2.

| Sample Dates (Strata Dates) | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Season | 478 | Male | 764 | 0.3 | 114,559 | 39.2 | 21,806 | 7.5 | 2,242 | 0.8 | 0 | 0.0 | 139,370 | 47.7 |
| | | Female | 1,724 | 0.6 | 131,067 | 44.9 | 16,915 | 5.8 | 3,006 | 1.0 | 0 | 0.0 | 152,712 | 52.3 |
| | | Total | 2,488 | 0.9 | 245,626 | 84.1 | 38,720 | 13.3 | 5,248 | 1.8 | 0 | 0.0 | 292,082 | 100.0 |
| | | Male Mean Length | 503 | | 560 | | 575 | | 588 | | – | | | |
| | | SE | – | | 2 | | 6 | | 12 | | – | | | |
| | | Range | – | | 495–665 | | 537–613 | | 571–615 | | – | | | |
| | | n | 1 | | 184 | | 31 | | 3 | | – | | | |
| | | Female Mean Length | 512 | | 542 | | 546 | | 572 | | – | | | |
| | | SE | 5 | | 2 | | 9 | | 14 | | – | | | |
| | | Range | 503–520 | | 426–612 | | 457–632 | | 557–600 | | – | | | |
| | | n | 3 | | 225 | | 27 | | 4 | | – | | | |

Appendix B13.–Salcha River carcass survey summer chum salmon escapement, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/20, 30 | 159 | Male | 0 | 0.0 | 31 | 19.5 | 19 | 11.9 | 5 | 3.1 | 0 | 0.0 | 55 | 34.6 |
| Total | | Female | 2 | 1.3 | 71 | 44.7 | 28 | 17.6 | 3 | 1.9 | 0 | 0.0 | 104 | 65.4 |
| | | Total | 2 | 1.3 | 102 | 64.2 | 47 | 29.6 | 8 | 5.0 | 0 | 0.0 | 159 | 100.0 |
| | | Male Mean Length | – | | 547 | | 590 | | 634 | | – | | | |
| | | SE | – | | 4 | | 6 | | 15 | | – | | | |
| | | Range | – | | 505–605 | | 541–645 | | 595–670 | | – | | | |
| | | n | – | | 31 | | 19 | | 5 | | – | | | |
| | | Female Mean Length | 510 | | 528 | | 562 | | 588 | | – | | | |
| | | SE | 15 | | 3 | | 5 | | 10 | | – | | | |
| | | Range | 495–525 | | 470–590 | | 500–620 | | 570–605 | | – | | | |
| | | n | 2 | | 71 | | 28 | | 3 | | – | | | |

*Note*: Ages determined from vertebrae.

# APPENDIX C: FALL CHUM SALMON

Appendix C1.–Yukon River District 1 fall chum salmon commercial gillnet harvest, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/16, 19 | 158 | Male | 0 | 0.0 | 8,715 | 31.6 | 2,615 | 9.5 | 697 | 2.5 | 0 | 0.0 | 12,027 | 43.7 |
| Periods 1, 2 | | Female | 0 | 0.0 | 11,853 | 43.0 | 3,312 | 12.0 | 349 | 1.3 | 0 | 0.0 | 15,513 | 56.3 |
| | | Subtotal | 0 | 0.0 | 20,568 | 74.7 | 5,926 | 21.5 | 1,046 | 3.8 | 0 | 0.0 | 27,540 | 100.0 |
| | | Male Mean Length | – | | 559 | | 590 | | 590 | | – | | | |
| | | SE | – | | 3 | | 6 | | 6 | | – | | | |
| | | Range | – | | 479–600 | | 559–637 | | 573–601 | | – | | | |
| | | n | – | | 50 | | 15 | | 4 | | – | | | |
| | | Female Mean Length | – | | 557 | | 573 | | 572 | | – | | | |
| | | SE | – | | 3 | | 6 | | 9 | | – | | | |
| | | Range | – | | 503–602 | | 525–622 | | 563–581 | | – | | | |
| | | n | – | | 68 | | 19 | | 2 | | – | | | |
| 7/23, 26 | 159 | Male | 0 | 0.0 | 9,458 | 29.6 | 2,012 | 6.3 | 201 | 0.6 | 0 | 0.0 | 11,672 | 36.5 |
| Periods 3, 4 | | Female | 0 | 0.0 | 14,690 | 45.9 | 5,031 | 15.7 | 604 | 1.9 | 0 | 0.0 | 20,325 | 63.5 |
| | | Subtotal | 0 | 0.0 | 24,149 | 75.5 | 7,043 | 22.0 | 805 | 2.5 | 0 | 0.0 | 31,997 | 100.0 |
| | | Male Mean Length | – | | 570 | | 581 | | 612 | | – | | | |
| | | SE | – | | 3 | | 12 | | – | | – | | | |
| | | Range | – | | 529–622 | | 534–675 | | – | | – | | | |
| | | n | – | | 47 | | 10 | | 1 | | – | | | |
| | | Female Mean Length | – | | 558 | | 570 | | 573 | | – | | | |
| | | SE | – | | 3 | | 4 | | 12 | | – | | | |
| | | Range | – | | 488–670 | | 537–600 | | 556–595 | | – | | | |
| | | n | – | | 73 | | 25 | | 3 | | – | | | |
| 7/30; 8/2 | 159 | Male | 0 | 0.0 | 7,524 | 29.6 | 2,081 | 8.2 | 480 | 1.9 | 0 | 0.0 | 10,085 | 39.6 |
| Periods 5, 6 | | Female | 160 | 0.6 | 11,846 | 46.5 | 3,041 | 11.9 | 320 | 1.3 | 0 | 0.0 | 15,367 | 60.4 |
| | | Subtotal | 160 | 0.6 | 19,369 | 76.1 | 5,122 | 20.1 | 800 | 3.1 | 0 | 0.0 | 25,452 | 100.0 |
| | | Male Mean Length | – | | 570 | | 582 | | 618 | | – | | | |
| | | SE | – | | 3 | | 8 | | 9 | | – | | | |
| | | Range | – | | 520–619 | | 546–628 | | 609–636 | | – | | | |
| | | n | – | | 47 | | 13 | | 3 | | – | | | |
| | | Female Mean Length | 525 | | 562 | | 567 | | 560 | | – | | | |
| | | SE | – | | 3 | | 4 | | 8 | | – | | | |
| | | Range | – | | 522–677 | | 530–597 | | 552–568 | | – | | | |
| | | n | 1 | | 74 | | 19 | | 2 | | – | | | |
| 8/5, 9 | 158 | Male | 100 | 0.6 | 5,910 | 37.3 | 1,402 | 8.9 | 0 | 0.0 | 0 | 0.0 | 7,413 | 46.8 |
| Periods 7, 8 | | Female | 200 | 1.3 | 6,912 | 43.7 | 1,102 | 7.0 | 200 | 1.3 | 0 | 0.0 | 8,414 | 53.2 |
| | | Subtotal | 301 | 1.9 | 12,822 | 81.0 | 2,504 | 15.8 | 200 | 1.3 | 0 | 0.0 | 15,827 | 100.0 |
| | | Male Mean Length | 539 | | 569 | | 571 | | – | | – | | | |
| | | SE | – | | 3 | | 4 | | – | | – | | | |
| | | Range | – | | 523–603 | | 542–596 | | – | | – | | | |
| | | n | 1 | | 59 | | 14 | | – | | – | | | |
| | | Female Mean Length | 537 | | 551 | | 559 | | 565 | | – | | | |
| | | SE | 9 | | 3 | | 5 | | 8 | | – | | | |
| | | Range | 528–545 | | 499–603 | | 530–589 | | 557–572 | | – | | | |
| | | n | 2 | | 69 | | 11 | | 2 | | – | | | |

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Appendix C1.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/18, 20 | 159 | Male | 0 | 0.0 | 12,758 | 49.7 | 1,776 | 6.9 | 161 | 0.6 | 0 | 0.0 | 14,696 | 57.2 |
| Periods 9, 10 | | Female | 0 | 0.0 | 9,689 | 37.7 | 1,292 | 5.0 | 0 | 0.0 | 0 | 0.0 | 10,981 | 42.8 |
| | | Subtotal | 0 | 0.0 | 22,447 | 87.4 | 3,068 | 11.9 | 161 | 0.6 | 0 | 0.0 | 25,677 | 100.0 |
| | | Male Mean Length | – | | 569 | | 567 | | 582 | | – | | | |
| | | SE | – | | 3 | | 9 | | – | | – | | | |
| | | Range | – | | 512–637 | | 499–604 | | – | | – | | | |
| | | n | – | | 79 | | 11 | | 1 | | – | | | |
| | | Female Mean Length | – | | 554 | | 565 | | – | | – | | | |
| | | SE | – | | 3 | | 9 | | – | | – | | | |
| | | Range | – | | 498–607 | | 536–601 | | – | | – | | | |
| | | n | – | | 60 | | 8 | | – | | – | | | |
| 8/23, 27, 30 | 228 | Male | 117 | 0.9 | 6,675 | 50.0 | 585 | 4.4 | 59 | 0.4 | 0 | 0.0 | 7,436 | 55.7 |
| Periods 11, 12, 13 | | Female | 176 | 1.3 | 5,504 | 41.2 | 176 | 1.3 | 59 | 0.4 | 0 | 0.0 | 5,913 | 44.3 |
| | | Subtotal | 293 | 2.2 | 12,178 | 91.2 | 761 | 5.7 | 117 | 0.9 | 0 | 0.0 | 13,349 | 100.0 |
| | | Male Mean Length | 545 | | 573 | | 576 | | 572 | | – | | | |
| | | SE | 20 | | 2 | | 12 | | – | | – | | | |
| | | Range | 525–565 | | 520–638 | | 501–628 | | – | | – | | | |
| | | n | 2 | | 114 | | 10 | | 1 | | – | | | |
| | | Female Mean Length | 557 | | 553 | | 540 | | 573 | | – | | | |
| | | SE | 17 | | 6 | | 21 | | – | | – | | | |
| | | Range | 540–590 | | 58–610 | | 505–578 | | – | | – | | | |
| | | n | 3 | | 94 | | 3 | | 1 | | – | | | |
| Season | 1,021 | Male | 217 | 0.2 | 51,039 | 36.5 | 10,472 | 7.5 | 1,599 | 1.1 | 0 | 0.0 | 63,327 | 45.3 |
| | | Female | 536 | 0.4 | 60,493 | 43.3 | 13,954 | 10.0 | 1,531 | 1.1 | 0 | 0.0 | 76,515 | 54.7 |
| | | Total | 753 | 0.5 | 111,533 | 79.8 | 24,426 | 17.5 | 3,130 | 2.2 | 0 | 0.0 | 139,842 | 100.0 |
| | | Male Mean Length | 542 | | 568 | | 579 | | 598 | | – | | | |
| | | SE | 20 | | 1 | | 4 | | 5 | | – | | | |
| | | Range | 525–565 | | 479–638 | | 499–675 | | 572–636 | | – | | | |
| | | n | 3 | | 396 | | 73 | | 10 | | – | | | |
| | | Female Mean Length | 536 | | 557 | | 565 | | 569 | | – | | | |
| | | SE | 9 | | 1 | | 3 | | 5 | | – | | | |
| | | Range | 525–590 | | 58–677 | | 505–622 | | 552–595 | | – | | | |
| | | n | 6 | | 438 | | 85 | | 10 | | – | | | |

*Note*: All commercial fishing periods were restricted to 6.0 in or smaller mesh gillnets.

Appendix C2.–Yukon River District 2 fall chum salmon commercial gillnet harvest, age and sex composition, 2012.

| Sample Dates | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Period 1 [a] | Male | 0 | 0.0 | 4,247 | 31.6 | 1,274 | 9.5 | 340 | 2.5 | 0 | 0.0 | 5,861 | 43.7 |
| | Female | 0 | 0.0 | 5,776 | 43.0 | 1,614 | 12.0 | 170 | 1.3 | 0 | 0.0 | 7,560 | 56.3 |
| | Subtotal | 0 | 0.0 | 10,023 | 74.7 | 2,888 | 21.5 | 510 | 3.8 | 0 | 0.0 | 13,421 | 100.0 |
| Period 2 [b] | Male | 0 | 0.0 | 949 | 31.0 | 291 | 9.5 | 0 | 0.0 | 0 | 0.0 | 1,240 | 40.5 |
| | Female | 0 | 0.0 | 1,356 | 44.3 | 407 | 13.3 | 58 | 1.9 | 0 | 0.0 | 1,821 | 59.5 |
| | Subtotal | 0 | 0.0 | 2,305 | 75.3 | 697 | 22.8 | 58 | 1.9 | 0 | 0.0 | 3,061 | 100.0 |
| Period 3 [c] | Male | 0 | 0.0 | 5,126 | 29.6 | 1,091 | 6.3 | 109 | 0.6 | 0 | 0.0 | 6,326 | 36.5 |
| | Female | 0 | 0.0 | 7,962 | 45.9 | 2,727 | 15.7 | 327 | 1.9 | 0 | 0.0 | 11,015 | 63.5 |
| | Subtotal | 0 | 0.0 | 13,088 | 75.5 | 3,817 | 22.0 | 436 | 2.5 | 0 | 0.0 | 17,341 | 100.0 |
| Period 4 [d] | Male | 0 | 0.0 | 3,726 | 28.1 | 828 | 6.3 | 248 | 1.9 | 0 | 0.0 | 4,802 | 36.3 |
| | Female | 83 | 0.6 | 5,961 | 45.0 | 2,153 | 16.3 | 248 | 1.9 | 0 | 0.0 | 8,445 | 63.8 |
| | Subtotal | 83 | 0.6 | 9,687 | 73.1 | 2,981 | 22.5 | 497 | 3.8 | 0 | 0.0 | 13,247 | 100.0 |
| Period 5 [e] | Male | 0 | 0.0 | 3,201 | 29.6 | 885 | 8.2 | 204 | 1.9 | 0 | 0.0 | 4,290 | 39.6 |
| | Female | 68 | 0.6 | 5,039 | 46.5 | 1,294 | 11.9 | 136 | 1.3 | 0 | 0.0 | 6,538 | 60.4 |
| | Subtotal | 68 | 0.6 | 8,240 | 76.1 | 2,179 | 20.1 | 341 | 3.1 | 0 | 0.0 | 10,828 | 100.0 |
| Period 6 [f] | Male | 96 | 0.6 | 5,000 | 32.9 | 1,154 | 7.6 | 96 | 0.6 | 0 | 0.0 | 6,346 | 41.8 |
| | Female | 0 | 0.0 | 7,019 | 46.2 | 1,634 | 10.8 | 192 | 1.3 | 0 | 0.0 | 8,845 | 58.2 |
| | Subtotal | 96 | 0.6 | 12,018 | 79.1 | 2,788 | 18.4 | 288 | 1.9 | 0 | 0.0 | 15,191 | 100.0 |
| Period 7 [g] | Male | 0 | 0.0 | 18,793 | 48.4 | 3,661 | 9.4 | 244 | 0.6 | 0 | 0.0 | 22,698 | 58.5 |
| | Female | 488 | 1.3 | 14,156 | 36.5 | 1,464 | 3.8 | 0 | 0.0 | 0 | 0.0 | 16,108 | 41.5 |
| | Subtotal | 488 | 1.3 | 32,948 | 84.9 | 5,125 | 13.2 | 244 | 0.6 | 0 | 0.0 | 38,806 | 100.0 |
| Period 8 [h] | Male | 0 | 0.0 | 4,592 | 49.7 | 639 | 6.9 | 58 | 0.6 | 0 | 0.0 | 5,289 | 57.2 |
| | Female | 0 | 0.0 | 3,488 | 37.7 | 465 | 5.0 | 0 | 0.0 | 0 | 0.0 | 3,953 | 42.8 |
| | Subtotal | 0 | 0.0 | 8,079 | 87.4 | 1,104 | 11.9 | 58 | 0.6 | 0 | 0.0 | 9,242 | 100.0 |
| Period 9 [i] | Male | 0 | 0.0 | 1,582 | 44.9 | 181 | 5.1 | 0 | 0.0 | 0 | 0.0 | 1,763 | 50.0 |
| | Female | 45 | 1.3 | 1,582 | 44.9 | 136 | 3.8 | 0 | 0.0 | 0 | 0.0 | 1,763 | 50.0 |
| | Subtotal | 45 | 1.3 | 3,164 | 89.7 | 316 | 9.0 | 0 | 0.0 | 0 | 0.0 | 3,526 | 100.0 |
| Period 10 [j] | Male | 18 | 0.6 | 1,280 | 47.4 | 140 | 5.2 | 0 | 0.0 | 0 | 0.0 | 1,438 | 53.2 |
| | Female | 53 | 1.9 | 1,157 | 42.9 | 35 | 1.3 | 18 | 0.6 | 0 | 0.0 | 1,262 | 46.8 |
| | Subtotal | 70 | 2.6 | 2,437 | 90.3 | 175 | 6.5 | 18 | 0.6 | 0 | 0.0 | 2,700 | 100.0 |
| Period 11 [k] | Male | 25 | 1.3 | 1,018 | 53.0 | 76 | 4.0 | 13 | 0.7 | 0 | 0.0 | 1,132 | 58.9 |
| | Female | 13 | 0.7 | 751 | 39.1 | 13 | 0.7 | 13 | 0.7 | 0 | 0.0 | 789 | 41.1 |
| | Subtotal | 38 | 2.0 | 1,768 | 92.1 | 89 | 4.6 | 25 | 1.3 | 0 | 0.0 | 1,921 | 100.0 |

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Appendix C2.–Page 2 of 2.

| Sample Dates | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Season [l] | Male | 380 | 0.3 | 50,143 | 38.8 | 9,244 | 7.1 | 1,266 | 1.0 | 0 | 0.0 | 61,033 | 47.2 |
| | Female | 760 | 0.6 | 55,462 | 42.9 | 10,763 | 8.3 | 1,266 | 1.0 | 0 | 0.0 | 68,251 | 52.8 |
| | Total | 1,140 | 0.9 | 105,605 | 81.7 | 20,007 | 15.5 | 2,532 | 2.0 | 0 | 0.0 | 129,284 | 100.0 |

*Note*: All commercial fishing periods were restricted to 7.5 in or smaller mesh gillnets.

[a] Age and sex proportions from District 1 Periods 1 and 2 samples were applied to the harvest of this period to estimate composition.

[b] Age and sex proportions from District 1 Periods 2 and 3 samples were applied to the harvest of this period to estimate composition.

[c] Age and sex proportions from District 1 Periods 3 and 4 samples were applied to the harvest of this period to estimate composition.

[d] Age and sex proportions from District 1 Periods 4 and 5 samples were applied to the harvest of this period to estimate composition.

[e] Age and sex proportion from District 1 Periods 5 and 6 samples were applied to the harvest of this period to estimate composition.

[f] Age and sex proportions from District 1 Periods 6 and 7 samples were applied to the harvest of this period to estimate composition.

[g] Age and sex proportions from District 1 Periods 8 and 9 samples were applied to the harvest of this period to estimate composition.

[h] Age and sex proportions from District 1 Periods 9 and 10 samples were applied to the harvest of this period to estimate composition.

[i] Age and sex proportions from District 1 Periods 10 and 11 samples were applied to the harvest of this period to estimate composition.

[j] Age and sex proportions from District 1 Periods 11 and 12 samples were applied to the harvest of this period to estimate composition.

[k] Age and sex proportions from District 1 Periods 12 and 13 samples were applied to the harvest of this period to estimate composition.

[l] Age and sex proportions from all District 1 commercial samples were applied to the total harvest to estimate composition.

Appendix C3.–Yukon River Subdistrict 4-A fall chum salmon commercial fish wheel harvest, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/30–9/1 | 105 | Male | 11 | 2.9 | 149 | 40.0 | 25 | 6.7 | 0 | 0.0 | 0 | 0.0 | 184 | 49.5 |
| Period 4 | | Female | 4 | 1.0 | 177 | 47.6 | 7 | 1.9 | 0 | 0.0 | 0 | 0.0 | 188 | 50.5 |
| | | Subtotal | 14 | 3.8 | 326 | 87.6 | 32 | 8.6 | 0 | 0.0 | 0 | 0.0 | 372 | 100.0 |
| | | Male Mean Length | 569 | | 592 | | 604 | | – | | – | | | |
| | | SE | 10 | | 4 | | 18 | | – | | – | | | |
| | | Range | 550–580 | | 546–645 | | 575–713 | | – | | – | | | |
| | | n | 3 | | 42 | | 7 | | – | | – | | | |
| | | Female Mean Length | 581 | | 573 | | 577 | | – | | – | | | |
| | | SE | – | | 3 | | 11 | | – | | – | | | |
| | | Range | – | | 538–623 | | 566–588 | | – | | – | | | |
| | | n | 1 | | 50 | | 2 | | – | | – | | | |

*Note*: Samples were only taken from fish harvested during Period 4. Not considered representative of entire harvest.

Appendix C4.–Yukon River Subdistrict 5-C (Rampart) fall chum salmon subsistence fish wheel harvest, age and sex composition, and mean length (mm), 2012.

| | | | Brood Year (Age) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2009 | | 2008 | | 2007 | | 2006 | | 2005 | | | |
| Sample | Sample | | (0.2) | | (0.3) | | (0.4) | | (0.5) | | (0.6) | | Total | |
| Dates | Size | | N | % | N | % | N | % | N | % | N | % | N | % |
| Total | 49 | Male | 0 | 0.0 | 21 | 42.9 | 4 | 8.2 | 0 | 0.0 | 0 | 0.0 | 25 | 51.0 |
| | | Female | 2 | 4.1 | 19 | 38.8 | 3 | 6.1 | 0 | 0.0 | 0 | 0.0 | 24 | 49.0 |
| | | Total | 2 | 4.1 | 40 | 81.6 | 7 | 14.3 | 0 | 0.0 | 0 | 0.0 | 49 | 100.0 |
| | | Male Mean Length | – | | 596 | | 610 | | – | | – | | | |
| | | SE | – | | 6 | | 11 | | – | | – | | | |
| | | Range | – | | 549–645 | | 583–639 | | – | | – | | | |
| | | n | – | | 21 | | 4 | | – | | – | | | |
| | | Female Mean Length | 544 | | 555 | | 549 | | – | | – | | | |
| | | SE | 10 | | 5 | | 11 | | – | | – | | | |
| | | Range | 534–554 | | 484–581 | | 530–567 | | – | | – | | | |
| | | n | 2 | | 19 | | 3 | | – | | – | | | |

Appendix C5.–Lower Yukon River test fishery (Big Eddy site) fall chum salmon 6.0 in mesh drift gillnet, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/16–24 | 180 | Male | 1 | 0.6 | 71 | 39.4 | 22 | 12.2 | 5 | 2.8 | 0 | 0.0 | 99 | 55.0 |
| Quartile 1 | | Female | 0 | 0.0 | 45 | 25.0 | 30 | 16.7 | 6 | 3.3 | 0 | 0.0 | 81 | 45.0 |
| | | Subtotal | 1 | 0.6 | 116 | 64.4 | 52 | 28.9 | 11 | 6.1 | 0 | 0.0 | 180 | 100.0 |
| | | Male Mean Length | 535 | | 571 | | 587 | | 604 | | – | | | |
| | | SE | – | | 3 | | 4 | | 17 | | – | | | |
| | | Range | – | | 521–614 | | 549–619 | | 564–668 | | – | | | |
| | | n | 1 | | 71 | | 22 | | 5 | | – | | | |
| | | Female Mean Length | – | | 560 | | 580 | | 565 | | – | | | |
| | | SE | – | | 3 | | 4 | | 17 | | – | | | |
| | | Range | – | | 526–609 | | 526–641 | | 520–631 | | – | | | |
| | | n | – | | 45 | | 30 | | 6 | | – | | | |
| 7/25–29, 31–8/4 | 248 | Male | 0 | 0.0 | 82 | 33.1 | 17 | 6.9 | 4 | 1.6 | 0 | 0.0 | 103 | 41.5 |
| Quartile 2 | | Female | 0 | 0.0 | 97 | 39.1 | 48 | 19.4 | 0 | 0.0 | 0 | 0.0 | 145 | 58.5 |
| | | Subtotal | 0 | 0.0 | 179 | 72.2 | 65 | 26.2 | 4 | 1.6 | 0 | 0.0 | 248 | 100.0 |
| | | Male Mean Length | – | | 580 | | 618 | | 612 | | – | | | |
| | | SE | – | | 3 | | 6 | | 10 | | – | | | |
| | | Range | – | | 537–661 | | 572–658 | | 596–642 | | – | | | |
| | | n | – | | 82 | | 17 | | 4 | | – | | | |
| | | Female Mean Length | – | | 570 | | 589 | | – | | – | | | |
| | | SE | – | | 2 | | 3 | | – | | – | | | |
| | | Range | – | | 524–641 | | 549–641 | | – | | – | | | |
| | | n | – | | 97 | | 48 | | – | | – | | | |
| 8/5–16 | 109 | Male | 1 | 0.9 | 37 | 33.9 | 6 | 5.5 | 1 | 0.9 | 0 | 0.0 | 45 | 41.3 |
| Quartile 3 | | Female | 1 | 0.9 | 50 | 45.9 | 11 | 10.1 | 2 | 1.8 | 0 | 0.0 | 64 | 58.7 |
| | | Subtotal | 2 | 1.8 | 87 | 79.8 | 17 | 15.6 | 3 | 2.8 | 0 | 0.0 | 109 | 100.0 |
| | | Male Mean Length | 557 | | 581 | | 629 | | 630 | | – | | | |
| | | SE | – | | 4 | | 15 | | – | | – | | | |
| | | Range | – | | 545–644 | | 570–676 | | – | | – | | | |
| | | n | 1 | | 37 | | 6 | | 1 | | – | | | |
| | | Female Mean Length | 585 | | 580 | | 581 | | 596 | | – | | | |
| | | SE | – | | 3 | | 5 | | 1 | | – | | | |
| | | Range | – | | 532–636 | | 548–612 | | 595–597 | | – | | | |
| | | n | 1 | | 50 | | 11 | | 2 | | – | | | |
| 8/17–22, 24–25, | 58 | Male | 0 | 0.0 | 16 | 27.6 | 2 | 3.4 | 0 | 0.0 | 0 | 0.0 | 18 | 31.0 |
| 31; 9/11–12 | | Female | 2 | 3.4 | 37 | 63.8 | 1 | 1.7 | 0 | 0.0 | 0 | 0.0 | 40 | 69.0 |
| Quartile 4 | | Subtotal | 2 | 3.4 | 53 | 91.4 | 3 | 5.2 | 0 | 0.0 | 0 | 0.0 | 58 | 100.0 |
| | | Male Mean Length | – | | 588 | | 600 | | – | | – | | | |
| | | SE | – | | 6 | | 48 | | – | | – | | | |
| | | Range | – | | 520–612 | | 552–648 | | – | | – | | | |
| | | n | – | | 16 | | 2 | | – | | – | | | |
| | | Female Mean Length | 615 | | 566 | | 588 | | – | | – | | | |
| | | SE | 39 | | 3 | | – | | – | | – | | | |
| | | Range | 576–653 | | 519–596 | | – | | – | | – | | | |
| | | n | 2 | | 37 | | 1 | | – | | – | | | |

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Appendix C5.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 595 | Male | 2 | 0.3 | 206 | 34.6 | 47 | 7.9 | 10 | 1.7 | 0 | 0.0 | 265 | 44.5 |
| | | Female | 3 | 0.5 | 229 | 38.5 | 90 | 15.1 | 8 | 1.3 | 0 | 0.0 | 330 | 55.5 |
| | | Total | 5 | 0.8 | 435 | 73.1 | 137 | 23.0 | 18 | 3.0 | 0 | 0.0 | 595 | 100.0 |
| | | Male Mean Length | 546 | | 577 | | 604 | | 609 | | – | | | |
| | | SE | 11 | | 2 | | 4 | | 9 | | – | | | |
| | | Range | 535–557 | | 520–661 | | 549–676 | | 564–668 | | – | | | |
| | | n | 2 | | 206 | | 47 | | 10 | | – | | | |
| | | Female Mean Length | 605 | | 570 | | 585 | | 573 | | – | | | |
| | | SE | 24 | | 1 | | 2 | | 13 | | – | | | |
| | | Range | 576–653 | | 519–641 | | 526–641 | | 520–631 | | – | | | |
| | | n | 3 | | 229 | | 90 | | 8 | | – | | | |

Appendix C6.–Lower Yukon River test fishery (Middle Mouth site) fall chum salmon 6.0 in mesh drift gillnet, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/16–23 | 123 | Male | 1 | 0.8 | 50 | 40.7 | 14 | 11.4 | 8 | 6.5 | 0 | 0.0 | 73 | 59.3 |
| Quartile 1 | | Female | 0 | 0.0 | 29 | 23.6 | 18 | 14.6 | 3 | 2.4 | 0 | 0.0 | 50 | 40.7 |
| | | Subtotal | 1 | 0.8 | 79 | 64.2 | 32 | 26.0 | 11 | 8.9 | 0 | 0.0 | 123 | 100.0 |
| | | Male Mean Length | 602 | | 572 | | 575 | | 602 | | – | | | |
| | | SE | – | | 3 | | 7 | | 11 | | – | | | |
| | | Range | – | | 502–617 | | 502–610 | | 551–656 | | – | | | |
| | | n | 1 | | 50 | | 14 | | 8 | | – | | | |
| | | Female Mean Length | – | | 562 | | 578 | | 569 | | – | | | |
| | | SE | – | | 4 | | 6 | | 7 | | – | | | |
| | | Range | – | | 528–618 | | 532–625 | | 555–580 | | – | | | |
| | | n | – | | 29 | | 18 | | 3 | | – | | | |
| 7/25, 27–29, 31–8/1, 4 | 100 | Male | 1 | 1.0 | 33 | 33.0 | 11 | 11.0 | 1 | 1.0 | 0 | 0.0 | 46 | 46.0 |
| Quartile 2 | | Female | 0 | 0.0 | 41 | 41.0 | 13 | 13.0 | 0 | 0.0 | 0 | 0.0 | 54 | 54.0 |
| | | Subtotal | 1 | 1.0 | 74 | 74.0 | 24 | 24.0 | 1 | 1.0 | 0 | 0.0 | 100 | 100.0 |
| | | Male Mean Length | 572 | | 575 | | 596 | | 579 | | – | | | |
| | | SE | – | | 4 | | 7 | | – | | – | | | |
| | | Range | – | | 529–617 | | 568–650 | | – | | – | | | |
| | | n | 1 | | 33 | | 11 | | 1 | | – | | | |
| | | Female Mean Length | – | | 562 | | 573 | | – | | – | | | |
| | | SE | – | | 7 | | 6 | | – | | – | | | |
| | | Range | – | | 316–603 | | 530–609 | | – | | – | | | |
| | | n | – | | 41 | | 13 | | – | | – | | | |
| 8/5–9, 14–16 | 116 | Male | 0 | 0.0 | 44 | 37.9 | 6 | 5.2 | 1 | 0.9 | 0 | 0.0 | 51 | 44.0 |
| Quartile 3 | | Female | 0 | 0.0 | 52 | 44.8 | 12 | 10.3 | 1 | 0.9 | 0 | 0.0 | 65 | 56.0 |
| | | Subtotal | 0 | 0.0 | 96 | 82.8 | 18 | 15.5 | 2 | 1.7 | 0 | 0.0 | 116 | 100.0 |
| | | Male Mean Length | – | | 572 | | 597 | | 569 | | – | | | |
| | | SE | – | | 4 | | 12 | | – | | – | | | |
| | | Range | – | | 503–623 | | 567–652 | | – | | – | | | |
| | | n | – | | 44 | | 6 | | 1 | | – | | | |
| | | Female Mean Length | – | | 577 | | 594 | | 530 | | – | | | |
| | | SE | – | | 3 | | 7 | | – | | – | | | |
| | | Range | – | | 526–665 | | 572–646 | | – | | – | | | |
| | | n | – | | 52 | | 12 | | 1 | | – | | | |
| 8/17–20, 22–23, | 261 | Male | 4 | 1.5 | 88 | 33.7 | 2 | 0.8 | 1 | 0.4 | 0 | 0.0 | 95 | 36.4 |
| 26–29, 31–9/7 | | Female | 2 | 0.8 | 150 | 57.5 | 12 | 4.6 | 2 | 0.8 | 0 | 0.0 | 166 | 63.6 |
| Quartile 4 | | Subtotal | 6 | 2.3 | 238 | 91.2 | 14 | 5.4 | 3 | 1.1 | 0 | 0.0 | 261 | 100.0 |
| | | Male Mean Length | 551 | | 576 | | 576 | | 569 | | – | | | |
| | | SE | 12 | | 2 | | 14 | | – | | – | | | |
| | | Range | 520–576 | | 528–645 | | 562–589 | | – | | – | | | |
| | | n | 4 | | 88 | | 2 | | 1 | | – | | | |
| | | Female Mean Length | 567 | | 573 | | 581 | | 582 | | – | | | |
| | | SE | 20 | | 2 | | 9 | | 8 | | – | | | |
| | | Range | 547–587 | | 500–635 | | 528–633 | | 574–590 | | – | | | |
| | | n | 2 | | 150 | | 12 | | 2 | | – | | | |

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Appendix C6.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 600 | Male | 6 | 1.0 | 215 | 35.8 | 33 | 5.5 | 11 | 1.8 | 0 | 0.0 | 265 | 44.2 |
| | | Female | 2 | 0.3 | 272 | 45.3 | 55 | 9.2 | 6 | 1.0 | 0 | 0.0 | 335 | 55.8 |
| | | Total | 8 | 1.3 | 487 | 81.2 | 88 | 14.7 | 17 | 2.8 | 0 | 0.0 | 600 | 100.0 |
| | | Male Mean Length | 563 | | 574 | | 586 | | 594 | | – | | | |
| | | SE | 11 | | 2 | | 5 | | 9 | | – | | | |
| | | Range | 520–602 | | 502–645 | | 502–652 | | 551–656 | | – | | | |
| | | n | 6 | | 215 | | 33 | | 11 | | – | | | |
| | | Female Mean Length | 567 | | 571 | | 581 | | 567 | | – | | | |
| | | SE | 20 | | 2 | | 3 | | 9 | | – | | | |
| | | Range | 547–587 | | 316–665 | | 528–646 | | 530–590 | | – | | | |
| | | n | 2 | | 272 | | 55 | | 6 | | – | | | |

Appendix C7.–Lower Yukon River test fishery (combined Big Eddy and Middle Mouth sites) fall chum salmon 6.0 in mesh drift gillnet, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/16–24 | 303 | Male | 2 | 0.7 | 121 | 39.9 | 36 | 11.9 | 13 | 4.3 | 0 | 0.0 | 172 | 56.8 |
| Quartile 1 | | Female | 0 | 0.0 | 74 | 24.4 | 48 | 15.8 | 9 | 3.0 | 0 | 0.0 | 131 | 43.2 |
| | | Subtotal | 2 | 0.7 | 195 | 64.4 | 84 | 27.7 | 22 | 7.3 | 0 | 0.0 | 303 | 100.0 |
| | | Male Mean Length | 569 | | 571 | | 582 | | 603 | | – | | | |
| | | SE | 34 | | 2 | | 4 | | 9 | | – | | | |
| | | Range | 535–602 | | 502–617 | | 502–619 | | 551–668 | | – | | | |
| | | n | 2 | | 121 | | 36 | | 13 | | – | | | |
| | | Female Mean Length | – | | 561 | | 579 | | 566 | | – | | | |
| | | SE | – | | 2 | | 3 | | 11 | | – | | | |
| | | Range | – | | 526–618 | | 526–641 | | 520–631 | | – | | | |
| | | n | – | | 74 | | 48 | | 9 | | – | | | |
| 7/25–29, 31–8/4 | 348 | Male | 1 | 0.3 | 115 | 33.0 | 28 | 8.0 | 5 | 1.4 | 0 | 0.0 | 149 | 42.8 |
| Quartile 2 | | Female | 0 | 0.0 | 138 | 39.7 | 61 | 17.5 | 0 | 0.0 | 0 | 0.0 | 199 | 57.2 |
| | | Subtotal | 1 | 0.3 | 253 | 72.7 | 89 | 25.6 | 5 | 1.4 | 0 | 0.0 | 348 | 100.0 |
| | | Male Mean Length | 572 | | 578 | | 609 | | 605 | | – | | | |
| | | SE | – | | 2 | | 5 | | 10 | | – | | | |
| | | Range | – | | 529–661 | | 568–658 | | 579–642 | | – | | | |
| | | n | 1 | | 115 | | 28 | | 5 | | – | | | |
| | | Female Mean Length | – | | 567 | | 586 | | – | | – | | | |
| | | SE | – | | 3 | | 3 | | – | | – | | | |
| | | Range | – | | 316–641 | | 530–641 | | – | | – | | | |
| | | n | – | | 138 | | 61 | | – | | – | | | |
| 8/5–16 | 225 | Male | 1 | 0.4 | 81 | 36.0 | 12 | 5.3 | 2 | 0.9 | 0 | 0.0 | 96 | 42.7 |
| Quartile 3 | | Female | 1 | 0.4 | 102 | 45.3 | 23 | 10.2 | 3 | 1.3 | 0 | 0.0 | 129 | 57.3 |
| | | Subtotal | 2 | 0.9 | 183 | 81.3 | 35 | 15.6 | 5 | 2.2 | 0 | 0.0 | 225 | 100.0 |
| | | Male Mean Length | 557 | | 576 | | 613 | | 600 | | – | | | |
| | | SE | – | | 3 | | 10 | | 31 | | – | | | |
| | | Range | – | | 503–644 | | 567–676 | | 569–630 | | – | | | |
| | | n | 1 | | 81 | | 12 | | 2 | | – | | | |
| | | Female Mean Length | 585 | | 579 | | 588 | | 574 | | – | | | |
| | | SE | – | | 2 | | 4 | | 22 | | – | | | |
| | | Range | – | | 526–665 | | 548–646 | | 530–597 | | – | | | |
| | | n | 1 | | 102 | | 23 | | 3 | | – | | | |
| 8/17–22, 23–29, | 319 | Male | 4 | 1.3 | 104 | 32.6 | 4 | 1.3 | 1 | 0.3 | 0 | 0.0 | 113 | 35.4 |
| 31–9/2, 11–12 | | Female | 4 | 1.3 | 187 | 58.6 | 13 | 4.1 | 2 | 0.6 | 0 | 0.0 | 206 | 64.6 |
| Quartile 4 | | Subtotal | 8 | 2.5 | 291 | 91.2 | 17 | 5.3 | 3 | 0.9 | 0 | 0.0 | 319 | 100.0 |
| | | Male Mean Length | 551 | | 578 | | 588 | | 569 | | – | | | |
| | | SE | 12 | | 2 | | 22 | | – | | – | | | |
| | | Range | 520–576 | | 520–645 | | 552–648 | | – | | – | | | |
| | | n | 4 | | 104 | | 4 | | 1 | | – | | | |
| | | Female Mean Length | 591 | | 572 | | 581 | | 582 | | – | | | |
| | | SE | 22 | | 2 | | 8 | | 8 | | – | | | |
| | | Range | 547–653 | | 500–635 | | 528–633 | | 574–590 | | – | | | |
| | | n | 4 | | 187 | | 13 | | 2 | | – | | | |

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Appendix C7.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 1,195 | Male | 8 | 0.7 | 421 | 35.2 | 80 | 6.7 | 21 | 1.8 | 0 | 0.0 | 530 | 44.4 |
| | | Female | 5 | 0.4 | 501 | 41.9 | 145 | 12.1 | 14 | 1.2 | 0 | 0.0 | 665 | 55.6 |
| | | Total | 13 | 1.1 | 922 | 77.2 | 225 | 18.8 | 35 | 2.9 | 0 | 0.0 | 1,195 | 100.0 |
| | | Male Mean Length | 559 | | 576 | | 597 | | 601 | | – | | | |
| | | SE | 9 | | 1 | | 3 | | 7 | | – | | | |
| | | Range | 520–602 | | 502–661 | | 502–676 | | 551–668 | | – | | | |
| | | n | 8 | | 421 | | 80 | | 21 | | – | | | |
| | | Female Mean Length | 590 | | 570 | | 583 | | 570 | | – | | | |
| | | SE | 17 | | 1 | | 2 | | 8 | | – | | | |
| | | Range | 547–653 | | 316–665 | | 526–646 | | 520–631 | | – | | | |
| | | n | 5 | | 501 | | 145 | | 14 | | – | | | |

Appendix C8.–Yukon River Mountain Village test fishery fall chum salmon 5 7/8 in mesh drift gillnet, age and sex composition, and mean length (mm) 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/17–23, 26 | 52 | Male | 0 | 0.0 | 15 | 28.8 | 9 | 17.3 | 1 | 1.9 | 0 | 0.0 | 25 | 48.1 |
| Quartile 1 | | Female | 0 | 0.0 | 17 | 32.7 | 8 | 15.4 | 2 | 3.8 | 0 | 0.0 | 27 | 51.9 |
| | | Subtotal | 0 | 0.0 | 32 | 61.5 | 17 | 32.7 | 3 | 5.8 | 0 | 0.0 | 52 | 100.0 |
| | | Male Mean Length | – | | 575 | | 603 | | 615 | | – | | | |
| | | SE | – | | 6 | | 8 | | – | | – | | | |
| | | Range | – | | 530–610 | | 562–630 | | – | | – | | | |
| | | n | – | | 15 | | 9 | | 1 | | – | | | |
| | | Female Mean Length | – | | 560 | | 594 | | 578 | | – | | | |
| | | SE | – | | 6 | | 9 | | 23 | | – | | | |
| | | Range | – | | 505–610 | | 559–648 | | 555–600 | | – | | | |
| | | n | – | | 17 | | 8 | | 2 | | – | | | |
| 7/27–31 | 54 | Male | 0 | 0.0 | 23 | 42.6 | 7 | 13.0 | 1 | 1.9 | 0 | 0.0 | 31 | 57.4 |
| Quartile 2 | | Female | 0 | 0.0 | 19 | 35.2 | 4 | 7.4 | 0 | 0.0 | 0 | 0.0 | 23 | 42.6 |
| | | Subtotal | 0 | 0.0 | 42 | 77.8 | 11 | 20.4 | 1 | 1.9 | 0 | 0.0 | 54 | 100.0 |
| | | Male Mean Length | – | | 570 | | 597 | | 619 | | – | | | |
| | | SE | – | | 4 | | 11 | | – | | – | | | |
| | | Range | – | | 540–622 | | 566–634 | | – | | – | | | |
| | | n | – | | 23 | | 7 | | 1 | | – | | | |
| | | Female Mean Length | – | | 558 | | 580 | | – | | – | | | |
| | | SE | – | | 4 | | 7 | | – | | – | | | |
| | | Range | – | | 531–595 | | 570–602 | | – | | – | | | |
| | | n | – | | 19 | | 4 | | – | | – | | | |
| 8/1–3, 6–10, 14–15 | 31 | Male | 0 | 0.0 | 8 | 25.8 | 3 | 9.7 | 0 | 0.0 | 0 | 0.0 | 11 | 35.5 |
| Quartile 3 | | Female | 0 | 0.0 | 20 | 64.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 20 | 64.5 |
| | | Subtotal | 0 | 0.0 | 28 | 90.3 | 3 | 9.7 | 0 | 0.0 | 0 | 0.0 | 31 | 100.0 |
| | | Male Mean Length | – | | 583 | | 606 | | – | | – | | | |
| | | SE | – | | 8 | | 21 | | – | | – | | | |
| | | Range | – | | 553–616 | | 566–635 | | – | | – | | | |
| | | n | – | | 8 | | 3 | | – | | – | | | |
| | | Female Mean Length | – | | 575 | | – | | – | | – | | | |
| | | SE | – | | 5 | | – | | – | | – | | | |
| | | Range | – | | 528–611 | | – | | – | | – | | | |
| | | n | – | | 20 | | – | | – | | – | | | |
| 8/19–20, 28; 9/1, 3–6 | 12 | Male | 0 | 0.0 | 4 | 33.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 33.3 |
| Quartile 4 | | Female | 0 | 0.0 | 7 | 58.3 | 1 | 8.3 | 0 | 0.0 | 0 | 0.0 | 8 | 66.7 |
| | | Subtotal | 0 | 0.0 | 11 | 91.7 | 1 | 8.3 | 0 | 0.0 | 0 | 0.0 | 12 | 100.0 |
| | | Male Mean Length | – | | 537 | | – | | – | | – | | | |
| | | SE | – | | 19 | | – | | – | | – | | | |
| | | Range | – | | 500–590 | | – | | – | | – | | | |
| | | n | – | | 4 | | – | | – | | – | | | |
| | | Female Mean Length | – | | 581 | | 570 | | – | | – | | | |
| | | SE | – | | 8 | | – | | – | | – | | | |
| | | Range | – | | 554–612 | | – | | – | | – | | | |
| | | n | – | | 7 | | 1 | | – | | – | | | |

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Appendix C8.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 149 | Male | 0 | 0.0 | 50 | 33.6 | 19 | 12.8 | 2 | 1.3 | 0 | 0.0 | 71 | 47.7 |
| | | Female | 0 | 0.0 | 63 | 42.3 | 13 | 8.7 | 2 | 1.3 | 0 | 0.0 | 78 | 52.3 |
| | | Total | 0 | 0.0 | 113 | 75.8 | 32 | 21.5 | 4 | 2.7 | 0 | 0.0 | 149 | 100.0 |
| | | Male Mean Length | – | | 571 | | 601 | | 617 | | – | | | |
| | | SE | – | | 3 | | 6 | | 2 | | – | | | |
| | | Range | – | | 500–622 | | 562–635 | | 615–619 | | – | | | |
| | | n | – | | 50 | | 19 | | 2 | | – | | | |
| | | Female Mean Length | – | | 566 | | 588 | | 578 | | – | | | |
| | | SE | – | | 3 | | 6 | | 23 | | – | | | |
| | | Range | – | | 505–612 | | 559–648 | | 555–600 | | – | | | |
| | | n | – | | 63 | | 13 | | 2 | | – | | | |

Appendix C9.–Yukon River Eagle sonar test fishery fall chum salmon variable mesh drift gillnet, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/3, 23, 28–9/12 5.25" Mesh | 373 | Male | 0 | 0.0 | 114 | 30.6 | 56 | 15.0 | 3 | 0.8 | 0 | 0.0 | 173 | 46.4 |
| | | Female | 4 | 1.1 | 157 | 42.1 | 39 | 10.5 | 0 | 0.0 | 0 | 0.0 | 200 | 53.6 |
| | | Subtotal | 4 | 1.1 | 271 | 72.7 | 95 | 25.5 | 3 | 0.8 | 0 | 0.0 | 373 | 100.0 |
| | | Male Mean Length | – | | 586 | | 598 | | 622 | | – | | | |
| | | SE | – | | 3 | | 3 | | 10 | | – | | | |
| | | Range | – | | 523–680 | | 540–649 | | 602–635 | | – | | | |
| | | n | – | | 114 | | 56 | | 3 | | – | | | |
| | | Female Mean Length | 552 | | 569 | | 578 | | – | | – | | | |
| | | SE | 10 | | 2 | | 3 | | – | | – | | | |
| | | Range | 528–574 | | 514–679 | | 542–623 | | – | | – | | | |
| | | n | 4 | | 157 | | 39 | | – | | – | | | |
| 8/28–29, 31–9/10, 12–15, 18 7.5" Mesh | 100 | Male | 1 | 1.0 | 53 | 53.0 | 37 | 37.0 | 1 | 1.0 | 0 | 0.0 | 92 | 92.0 |
| | | Female | 0 | 0.0 | 6 | 6.0 | 2 | 2.0 | 0 | 0.0 | 0 | 0.0 | 8 | 8.0 |
| | | Subtotal | 1 | 1.0 | 59 | 59.0 | 39 | 39.0 | 1 | 1.0 | 0 | 0.0 | 100 | 100.0 |
| | | Male Mean Length | 552 | | 611 | | 624 | | 659 | | – | | | |
| | | SE | – | | 4 | | 5 | | – | | – | | | |
| | | Range | – | | 561–714 | | 555–678 | | – | | – | | | |
| | | n | 1 | | 53 | | 37 | | 1 | | – | | | |
| | | Female Mean Length | – | | 588 | | 604 | | – | | – | | | |
| | | SE | – | | 11 | | 6 | | – | | – | | | |
| | | Range | – | | 544–611 | | 598–609 | | – | | – | | | |
| | | n | – | | 6 | | 2 | | – | | – | | | |
| Total | 473 | Male | 1 | 0.2 | 167 | 35.3 | 93 | 19.7 | 4 | 0.8 | 0 | 0.0 | 265 | 56.0 |
| | | Female | 4 | 0.8 | 163 | 34.5 | 41 | 8.7 | 0 | 0.0 | 0 | 0.0 | 208 | 44.0 |
| | | Total | 5 | 1.1 | 330 | 69.8 | 134 | 28.3 | 4 | 0.8 | 0 | 0.0 | 473 | 100.0 |
| | | Male Mean Length | 552 | | 594 | | 609 | | 632 | | – | | | |
| | | SE | – | | 3 | | 3 | | 12 | | – | | | |
| | | Range | – | | 523–714 | | 540–678 | | 602–659 | | – | | | |
| | | n | 1 | | 167 | | 93 | | 4 | | – | | | |
| | | Female Mean Length | 552 | | 569 | | 579 | | – | | – | | | |
| | | SE | 10 | | 2 | | 3 | | – | | – | | | |
| | | Range | 528–574 | | 514–679 | | 542–623 | | – | | – | | | |
| | | n | 4 | | 163 | | 41 | | – | | – | | | |

Appendix C10.–Delta River carcass survey fall chum salmon escapement, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/7, 21 | 180 | Male | 2 | 1.1 | 86 | 47.8 | 32 | 17.8 | 1 | 0.6 | 0 | 0.0 | 121 | 67.2 |
| Total | | Female | 1 | 0.6 | 42 | 23.3 | 16 | 8.9 | 0 | 0.0 | 0 | 0.0 | 59 | 32.8 |
| | | Total | 3 | 1.7 | 128 | 71.1 | 48 | 26.7 | 1 | 0.6 | 0 | 0.0 | 180 | 100.0 |
| | | Male Mean Length | 546 | | 582 | | 592 | | 606 | | – | | | |
| | | SE | 8 | | 3 | | 5 | | – | | – | | | |
| | | Range | 538–553 | | 533–638 | | 529–648 | | – | | – | | | |
| | | n | 2 | | 86 | | 32 | | 1 | | – | | | |
| | | Female Mean Length | 542 | | 556 | | 568 | | – | | – | | | |
| | | SE | – | | 3 | | 7 | | – | | – | | | |
| | | Range | – | | 508–610 | | 521–635 | | – | | – | | | |
| | | n | 1 | | 42 | | 16 | | – | | – | | | |

*Note*: Ages determined from vertebrae.

Appendix C11.–Sheenjek River sonar fall chum salmon beach seine, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (0.2) N | % | 2008 (0.3) N | % | 2007 (0.4) N | % | 2006 (0.5) N | % | 2005 (0.6) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/24, 26, 28 | 180 | Male | 0 | 0.0 | 41 | 22.8 | 39 | 21.7 | 4 | 2.2 | 0 | 0.0 | 84 | 46.7 |
| Total | | Female | 0 | 0.0 | 61 | 33.9 | 31 | 17.2 | 4 | 2.2 | 0 | 0.0 | 96 | 53.3 |
| | | Total | 0 | 0.0 | 102 | 56.7 | 70 | 38.9 | 8 | 4.4 | 0 | 0.0 | 180 | 100.0 |
| | | Male Mean Length | – | | 594 | | 614 | | 661 | | – | | | |
| | | SE | – | | 4 | | 5 | | 8 | | – | | | |
| | | Range | – | | 525–645 | | 545–665 | | 640–680 | | – | | | |
| | | n | – | | 41 | | 39 | | 4 | | – | | | |
| | | Female Mean Length | – | | 573 | | 604 | | 619 | | – | | | |
| | | SE | – | | 3 | | 5 | | 17 | | – | | | |
| | | Range | – | | 520–620 | | 565–680 | | 580–655 | | – | | | |
| | | n | – | | 61 | | 31 | | 4 | | – | | | |

*Note*: Ages determined from vertebrae.

Appendix C12.–Toklat River carcass survey fall chum salmon escapement, age and sex composition, and mean length (mm), 2012.

| | | | Brood Year (Age) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2009 | | 2008 | | 2007 | | 2006 | | 2005 | | | |
| Sample | Sample | | (0.2) | | (0.3) | | (0.4) | | (0.5) | | (0.6) | | Total | |
| Dates | Size | | N | % | N | % | N | % | N | % | N | % | N | % |
| 11/1 | 150 | | 3 | 2.0 | 119 | 79.3 | 27 | 18.0 | 1 | 0.7 | 0 | 0.0 | 150 | 100.0 |
| Total | | | | | | | | | | | | | | |
| | 180 | Male | 63 | | | | | | | | | | | |
| | | Female | 117 | | | | | | | | | | | |
| | | % Female | 65.0 | | | | | | | | | | | |
| | | Mean Length | 536 | | | | | | | | | | | |
| | | SE | 2 | | | | | | | | | | | |
| | | Range | 355–610 | | | | | | | | | | | |

*Note*: A total of 180 fish were sampled, of the fish sampled 150 were sampled for vertebrae for age determination. Due to collection conditions age, sex, and length data cannot be paired.

Appendix C13.–Yukon River fall chum salmon mean length (mm) by project, sex, year, and age, 1973–2012.

| | | | Percent (%) | | | | |
|---|---|---|---|---|---|---|---|
| | | | Age | | | | |
| Project and Sex | Year | | 3 yr (0.2) | 4 yr (0.3) | 5 yr (0.4) | 6 yr (0.5) | 7 yr (0.6) |
| Chandalar River | 1986 | [a] | – | – | – | – | – |
| Male | 1987 | | – | 627 | 651 | 660 | – |
| | 1988 | [a] | – | – | – | – | – |
| | 1989 | [a] | – | – | – | – | – |
| | 1990 | [a] | – | – | – | – | – |
| | 1991 | [b] | – | – | – | – | – |
| | 1992 | [b] | – | – | – | – | – |
| | 1993 | [b] | – | – | – | – | – |
| | 1994 | [b] | – | – | – | – | – |
| | 1995 | [a] | – | – | – | – | – |
| | 1996 | [a] | – | – | – | – | – |
| | 1997 | [b] | – | – | – | – | – |
| | 1998 | [b] | – | – | – | – | – |
| | 1999 | [b] | – | – | – | – | – |
| | 2000 | [b] | – | – | – | – | – |
| | 2001 | [b] | – | – | – | – | – |
| | 2002 | [b] | – | – | – | – | – |
| | 2003 | [b] | – | – | – | – | – |
| | 2004 | [b] | – | – | – | – | – |
| | 2005 | [c] | – | 604 | 615 | 699 | – |
| | 2006 | [c] | 548 | 585 | 581 | 577 | – |
| | 2007 | [c] | 570 | 583 | 604 | – | – |
| | 2008 | [c] | 540 | 575 | 608 | 595 | – |
| | 2009 | [c] | 575 | 584 | 615 | 607 | 660 |
| | 2010 | [c] | 599 | 606 | 586 | 595 | – |
| | 2011 | [c] | 558 | 600 | 614 | 612 | – |
| | 2012 | [b] | – | – | – | – | – |
| Average [d] (1986–2011) | | | 565 | 596 | 609 | 621 | 660 |
| 5 yr Average [d] (2007–2011) | | | 568 | 590 | 605 | 602 | 660 |
| Odd Year Average [d] | | | 568 | 600 | 620 | 644 | 660 |
| Even Year Average [d] | | | 562 | 589 | 592 | 589 | – |

-continued-

| Project and Sex | Year | | Percent (%) Age 3 yr (0.2) | 4 yr (0.3) | 5 yr (0.4) | 6 yr (0.5) | 7 yr (0.6) |
|---|---|---|---|---|---|---|---|
| Chandalar River | 1986 | [a] | – | – | – | – | – |
| Female | 1987 | | – | 608 | 635 | 700 | – |
| | 1988 | [a] | – | – | – | – | – |
| | 1989 | [a] | – | – | – | – | – |
| | 1990 | [a] | – | – | – | – | – |
| | 1991 | [b] | – | – | – | – | – |
| | 1992 | [b] | – | – | – | – | – |
| | 1993 | [b] | – | – | – | – | – |
| | 1994 | [b] | – | – | – | – | – |
| | 1995 | [a] | – | – | – | – | – |
| | 1996 | [a] | – | – | – | – | – |
| | 1997 | [b] | – | – | – | – | – |
| | 1998 | [b] | – | – | – | – | – |
| | 1999 | [b] | – | – | – | – | – |
| | 2000 | [b] | – | – | – | – | – |
| | 2001 | [b] | – | – | – | – | – |
| | 2002 | [b] | – | – | – | – | – |
| | 2003 | [b] | – | – | – | – | – |
| | 2004 | [b] | – | – | – | – | – |
| | 2005 | [c] | – | 575 | 566 | – | – |
| | 2006 | [c] | 540 | 546 | 555 | 568 | – |
| | 2007 | [c] | 543 | 551 | 564 | 607 | – |
| | 2008 | [c] | 543 | 552 | 578 | 560 | 593 |
| | 2009 | [c] | 553 | 557 | 565 | 590 | – |
| | 2010 | [c] | 545 | 558 | 568 | 585 | 630 |
| | 2011 | [c] | 531 | 562 | 582 | 594 | – |
| | 2012 | [b] | – | – | – | – | – |
| Average [d] (1986–2011) | | | 542 | 564 | 577 | 601 | 612 |
| 5 yr Average [d] (2007–2011) | | | 543 | 556 | 571 | 587 | 612 |
| Odd Year Average [d] | | | 542 | 571 | 583 | 623 | – |
| Even Year Average [d] | | | 543 | 552 | 567 | 571 | 612 |

-continued-

| Project and Sex | Year | Percent (%) Age 3 yr (0.2) | 4 yr (0.3) | 5 yr (0.4) | 6 yr (0.5) | 7 yr (0.6) |
|---|---|---|---|---|---|---|
| Delta River [c] | 1973 [e] | – | – | – | – | – |
| Male | 1974 | 551 | 601 | 560 | – | – |
| | 1975 | 530 | 602 | 632 | – | – |
| | 1976 | 508 | 553 | 607 | – | – |
| | 1977 | 600 | 624 | 611 | – | – |
| | 1978 | 570 | 608 | 643 | – | – |
| | 1979 | – | – | – | – | – |
| | 1980 | 516 | 592 | 621 | – | – |
| | 1981 | – | – | – | – | – |
| | 1982 | 583 | 610 | 621 | 655 | – |
| | 1983 | 555 | 598 | 621 | 595 | – |
| | 1984 | 569 | 584 | 628 | – | – |
| | 1985 | 611 | 601 | 636 | 590 | – |
| | 1986 | 545 | 588 | 616 | – | – |
| | 1987 | 588 | 610 | 641 | 643 | – |
| | 1988 [e] | – | – | – | – | – |
| | 1989 | 572 | 603 | 612 | 640 | – |
| | 1990 [e] | – | – | – | – | – |
| | 1991 | 543 | 586 | 594 | – | – |
| | 1992 | – | 599 | 624 | 617 | – |
| | 1993 | 535 | 586 | 600 | 597 | – |
| | 1994 | 530 | 547 | 584 | 578 | – |
| | 1995 | – | – | 584 | 592 | 596 |
| | 1996 | 595 | 613 | 634 | 636 | – |
| | 1997 | 545 | 599 | 635 | 640 | – |
| | 1998 | 579 | 591 | 603 | 630 | – |
| | 1999 | 603 | 591 | 609 | 660 | – |
| | 2000 | 558 | 593 | 625 | – | – |
| | 2001 | 555 | 606 | 625 | – | – |
| | 2002 | 581 | 613 | 635 | 665 | – |
| | 2003 | – | 612 | 607 | 620 | – |
| | 2004 | – | 565 | 595 | 610 | – |
| | 2005 | – | 575 | 604 | 589 | – |
| | 2006 | 561 | 577 | 597 | 565 | – |
| | 2007 | 580 | 598 | 619 | 653 | – |
| | 2008 | – | 605 | 624 | 634 | – |
| | 2009 | 558 | 602 | 614 | 633 | – |
| | 2010 | 588 | 596 | 601 | 618 | 598 |
| | 2011 | 548 | 607 | 619 | 626 | – |
| | 2012 | 546 | 582 | 592 | 606 | – |
| | Average [d] (1973–2011) | 563 | 595 | 614 | 621 | 597 |
| | 5 yr Average [d] (2007–2011) | 569 | 602 | 615 | 633 | 598 |
| | Odd Year Average [d] | 566 | 600 | 615 | 621 | 596 |
| | Even Year Average [d] | 560 | 590 | 613 | 621 | 598 |

-continued-

| Project and Sex | Year | | Percent (%) Age 3 yr (0.2) | 4 yr (0.3) | 5 yr (0.4) | 6 yr (0.5) | 7 yr (0.6) |
|---|---|---|---|---|---|---|---|
| Delta River [c] | 1973 | [e] | – | – | – | – | – |
| Female | 1974 | | 542 | 578 | 570 | – | – |
| | 1975 | | 524 | 582 | 618 | – | – |
| | 1976 | | 528 | 539 | 583 | 615 | – |
| | 1977 | | 592 | 602 | 612 | – | – |
| | 1978 | | 543 | 586 | 637 | – | – |
| | 1979 | | – | – | – | – | – |
| | 1980 | | 543 | 586 | – | – | – |
| | 1981 | | – | – | – | – | – |
| | 1982 | | 561 | 592 | 608 | 625 | – |
| | 1983 | | 533 | 576 | 591 | 555 | – |
| | 1984 | | 512 | 559 | 571 | – | – |
| | 1985 | | 566 | 572 | 587 | – | – |
| | 1986 | | 536 | 568 | 585 | 605 | – |
| | 1987 | | 553 | 584 | 618 | 620 | – |
| | 1988 | [e] | – | – | – | – | – |
| | 1989 | | 543 | 567 | 581 | – | – |
| | 1990 | [e] | – | – | – | – | – |
| | 1991 | | 490 | 565 | 571 | 565 | – |
| | 1992 | | – | 572 | 595 | 615 | – |
| | 1993 | | – | 567 | 571 | 585 | – |
| | 1994 | | – | 547 | 567 | – | – |
| | 1995 | | – | 545 | 570 | 572 | 582 |
| | 1996 | | 568 | 590 | 600 | 625 | – |
| | 1997 | | 470 | 574 | 596 | 570 | – |
| | 1998 | | 550 | 557 | 562 | 583 | – |
| | 1999 | | 575 | 564 | 581 | – | – |
| | 2000 | | 535 | 561 | 598 | 605 | – |
| | 2001 | | 535 | 565 | 597 | 560 | – |
| | 2002 | | 544 | 584 | 606 | – | – |
| | 2003 | | 556 | 581 | 591 | – | – |
| | 2004 | | – | 547 | 563 | 576 | 550 |
| | 2005 | | – | – | 573 | 599 | – |
| | 2006 | | 531 | 535 | 562 | 578 | – |
| | 2007 | | 557 | 569 | 591 | – | – |
| | 2008 | | 573 | 578 | 596 | 614 | 625 |
| | 2009 | | 548 | 563 | 578 | 588 | 585 |
| | 2010 | | 555 | 568 | 571 | 605 | 580 |
| | 2011 | | 515 | 577 | 607 | 599 | – |
| | 2012 | | 542 | 556 | 568 | – | – |
| | Average [d] (1973–2011) | | 542 | 570 | 588 | 593 | 584 |
| | 5 yr Average [d] (2007–2011) | | 550 | 571 | 589 | 601 | 597 |
| | Odd Year Average [d] | | 540 | 572 | 590 | 581 | 583 |
| | Even Year Average [d] | | 544 | 568 | 586 | 604 | 585 |

-continued-

| Project and Sex | Year | | Percent (%) Age 3 yr (0.2) | 4 yr (0.3) | 5 yr (0.4) | 6 yr (0.5) | 7 yr (0.6) |
|---|---|---|---|---|---|---|---|
| Sheenjek River | 1974 | c | 555 | 618 | 674 | – | – |
| Male | 1975 | c | 599 | 592 | 663 | – | – |
| | 1976 | c | – | 609 | 640 | – | – |
| | 1977 | c | 569 | 615 | 622 | – | – |
| | 1978 | c | 584 | 624 | 668 | – | – |
| | 1979 | b | – | – | – | – | – |
| | 1980 | b | – | – | – | – | – |
| | 1981 | f | 548 | 620 | 638 | 620 | – |
| | 1982 | f | 618 | 626 | 655 | 640 | – |
| | 1983 | f | 603 | 613 | 609 | – | – |
| | 1984 | g | 563 | 616 | 627 | – | – |
| | 1985 | g | 570 | 619 | 654 | – | – |
| | 1986 | g | 568 | 601 | 632 | 630 | – |
| | 1987 | g | 630 | 628 | 648 | 655 | – |
| | 1988 | g | – | 639 | 650 | – | – |
| | 1989 | g | 588 | 623 | 641 | 635 | – |
| | 1990 | g | – | 608 | 664 | 710 | – |
| | 1991 | g | – | 603 | 645 | 650 | – |
| | 1992 | g | – | 626 | 640 | – | – |
| | 1993 | g,h | 550 | 608 | 625 | 620 | – |
| | 1994 | g | 610 | 588 | 610 | 650 | – |
| | 1995 | g | – | – | 601 | 616 | 624 |
| | 1996 | g | 600 | 601 | 632 | 631 | – |
| | 1997 | b | – | – | – | – | – |
| | 1998 | b | – | – | – | – | – |
| | 1999 | b | – | – | – | – | – |
| | 2000 | b | – | – | – | – | – |
| | 2001 | g | – | 602 | 634 | – | – |
| | 2002 | g | – | 637 | 657 | – | – |
| | 2003 | g | – | 623 | 643 | 710 | – |
| | 2004 | g | – | 602 | 621 | 648 | – |
| | 2005 | g | – | 623 | 633 | 635 | – |
| | 2006 | g | – | 622 | 622 | 630 | – |
| | 2007 | g | – | 599 | 624 | 666 | – |
| | 2008 | g | – | 593 | 622 | 652 | 680 |
| | 2009 | b | – | – | – | – | – |
| | 2010 | g | 614 | 601 | 654 | 610 | 700 |
| | 2011 | g | 563 | 602 | 628 | 673 | – |
| | 2012 | g | – | 594 | 614 | 661 | – |
| Average [d] (1974–2011) | | | 584 | 613 | 638 | 646 | 668 |
| 5 yr Average [d] (2006–2008, 2010–2011) | | | 589 | 603 | 630 | 646 | 690 |
| Odd Year Average [d] | | | 580 | 612 | 634 | 648 | 624 |
| Even Year Average [d] | | | 589 | 613 | 642 | 645 | 690 |

-continued-

| Project and Sex | Year | | Percent (%) Age 3 yr (0.2) | 4 yr (0.3) | 5 yr (0.4) | 6 yr (0.5) | 7 yr (0.6) |
|---|---|---|---|---|---|---|---|
| Sheenjek River | 1974 | c | 530 | 577 | 660 | 575 | – |
| Female | 1975 | c | 564 | 582 | 632 | – | – |
| | 1976 | c | 513 | 572 | 592 | – | – |
| | 1977 | c | 557 | 582 | 593 | – | – |
| | 1978 | c | 557 | 607 | 603 | – | – |
| | 1979 | b | – | – | – | – | – |
| | 1980 | b | – | – | – | – | – |
| | 1981 | f | 573 | 596 | 613 | – | – |
| | 1982 | f | 525 | 598 | 615 | – | – |
| | 1983 | f | 554 | 593 | 626 | – | – |
| | 1984 | g | 508 | 584 | 608 | – | – |
| | 1985 | g | 568 | 599 | 613 | – | – |
| | 1986 | g | 557 | 576 | 590 | 648 | – |
| | 1987 | g | 599 | 597 | 616 | 597 | – |
| | 1988 | g | 560 | 595 | 601 | – | – |
| | 1989 | g | 588 | 596 | 610 | 610 | – |
| | 1990 | g | 584 | 590 | 636 | 655 | – |
| | 1991 | g | – | 585 | 608 | 615 | – |
| | 1992 | g | – | 589 | 606 | 613 | – |
| | 1993 | g,h | – | 579 | 594 | 623 | – |
| | 1994 | g | 570 | 570 | 585 | 577 | – |
| | 1995 | g | – | 582 | 573 | 601 | 590 |
| | 1996 | g | 605 | 589 | 612 | 652 | – |
| | 1997 | b | – | – | – | – | – |
| | 1998 | b | – | – | – | – | – |
| | 1999 | b | – | – | – | – | – |
| | 2000 | b | – | – | – | – | – |
| | 2001 | g | – | 574 | 582 | – | – |
| | 2002 | g | – | 618 | 610 | – | – |
| | 2003 | g | 580 | 600 | 638 | – | – |
| | 2004 | g | – | 571 | 597 | 619 | – |
| | 2005 | g | – | 600 | 596 | – | – |
| | 2006 | g | 570 | 571 | 601 | 610 | – |
| | 2007 | g | – | 584 | 581 | 597 | – |
| | 2008 | g | 580 | 581 | 598 | 608 | – |
| | 2009 | b | – | – | – | – | – |
| | 2010 | g | 588 | 587 | 624 | – | – |
| | 2011 | g | 557 | 586 | 603 | 630 | – |
| | 2012 | g | – | 573 | 604 | 619 | – |
| Average [d] (1974–2011) | | | 563 | 587 | 607 | 614 | 590 |
| 5 yr Average [d] (2006–2008, 2010–2011) | | | 574 | 582 | 601 | 611 | – |
| Odd Year Average [d] | | | 571 | 589 | 605 | 610 | 590 |
| Even Year Average [d] | | | 557 | 586 | 609 | 617 | – |

-continued-

| Project and Sex | Year | | Percent (%) Age 3 yr (0.2) | 4 yr (0.3) | 5 yr (0.4) | 6 yr (0.5) | 7 yr (0.6) |
|---|---|---|---|---|---|---|---|
| Toklat River [c] | 1974 | | 551 | 601 | 560 | – | – |
| Male | 1975 | [b] | – | – | – | – | – |
| | 1976 | | 528 | 533 | 603 | – | – |
| | 1977 | | 590 | 597 | 613 | – | – |
| | 1978 | | 545 | 567 | 629 | – | – |
| | 1979 | | 581 | 603 | 622 | – | – |
| | 1980 | | 556 | 602 | 601 | – | – |
| | 1981 | [b] | – | – | – | – | – |
| | 1982 | | 562 | 590 | 630 | – | – |
| | 1983 | | 550 | 609 | 623 | 575 | – |
| | 1984 | | 540 | 580 | 608 | – | – |
| | 1985 | | 590 | 594 | 604 | 598 | – |
| | 1986 | | 505 | 576 | 603 | 555 | – |
| | 1987 | | 542 | 586 | 620 | – | – |
| | 1988 | | 513 | 587 | 616 | 653 | – |
| | 1989 | | 505 | 584 | 564 | 600 | – |
| | 1990 | [e] | – | – | – | – | – |
| | 1991 | | 565 | 580 | 617 | – | – |
| | 1992 | | 527 | 578 | 608 | 675 | – |
| | 1993 | | 520 | 557 | 570 | 535 | – |
| | 1994 | [e] | – | – | – | – | – |
| | 1995 | | – | 543 | 560 | 571 | 608 |
| | 1996 | | – | 585 | 600 | 610 | – |
| | 1997 | | 543 | 565 | 589 | 590 | – |
| | 1998 | | 540 | 574 | 591 | 605 | – |
| | 1999 | | – | 523 | 576 | – | – |
| | 2000 | [b] | – | – | – | – | – |
| | 2001 | | 534 | 581 | 595 | – | – |
| | 2002 | | 550 | 598 | 631 | – | – |
| | 2003 | | 570 | 595 | 589 | 585 | – |
| | 2004 | | – | 558 | 579 | 593 | 545 |
| | 2005 | | 540 | 593 | 597 | – | – |
| | 2006 | | – | 561 | 586 | 560 | – |
| | 2007 | [i] | 580 | 564 | 565 | 581 | – |
| | 2008 | [b] | – | – | – | – | – |
| | 2009 | | 538 | 572 | 603 | 572 | 570 |
| | 2010 | [b] | – | – | – | – | – |
| | 2011 | [b] | – | – | – | – | – |
| | 2012 | [j] | – | – | – | – | – |
| Average [d] (1974–2011) | | | 547 | 578 | 598 | 591 | 574 |
| 5 yr Average [d] (2004–2007, 2009) | | | 553 | 570 | 586 | 576 | 558 |
| Odd Year Average [d] | | | 553 | 578 | 594 | 578 | 589 |
| Even Year Average [d] | | | 538 | 578 | 603 | 607 | 545 |

-continued-

| Project and Sex | Year | | Percent (%) Age 3 yr (0.2) | 4 yr (0.3) | 5 yr (0.4) | 6 yr (0.5) | 7 yr (0.6) |
|---|---|---|---|---|---|---|---|
| Toklat River [c] | 1974 | | 542 | 578 | 570 | – | – |
| Female | 1975 | [b] | – | – | – | – | – |
| | 1976 | | 514 | 541 | 606 | – | – |
| | 1977 | | 556 | 574 | – | – | – |
| | 1978 | | 534 | 558 | 609 | – | – |
| | 1979 | | 566 | 578 | – | – | – |
| | 1980 | | 512 | 575 | 584 | – | – |
| | 1981 | [b] | – | – | – | – | – |
| | 1982 | | 560 | 538 | 563 | – | – |
| | 1983 | | 535 | 572 | 591 | 655 | – |
| | 1984 | | 517 | 558 | 591 | – | – |
| | 1985 | | 550 | 565 | 577 | – | – |
| | 1986 | | 523 | 553 | 570 | 555 | – |
| | 1987 | | 544 | 560 | 597 | 635 | – |
| | 1988 | | 499 | 562 | 592 | – | – |
| | 1989 | | 523 | 565 | 563 | 590 | – |
| | 1990 | [e] | – | – | – | – | – |
| | 1991 | | 503 | 534 | 546 | – | – |
| | 1992 | | 575 | 570 | 596 | 590 | – |
| | 1993 | | 493 | 537 | 542 | 548 | – |
| | 1994 | | 522 | 544 | 551 | 566 | 571 |
| | 1995 | | – | – | 550 | 566 | 573 |
| | 1996 | | 490 | 558 | 569 | 570 | – |
| | 1997 | | 520 | 531 | 561 | 555 | – |
| | 1998 | | 505 | 547 | 559 | 580 | – |
| | 1999 | | – | 462 | 406 | – | – |
| | 2000 | [b] | – | – | – | – | – |
| | 2001 | | – | 556 | 585 | 605 | – |
| | 2002 | | 524 | 571 | 584 | – | – |
| | 2003 | | 552 | 563 | 581 | – | – |
| | 2004 | | – | 543 | 555 | 580 | – |
| | 2005 | | – | 560 | 530 | – | – |
| | 2006 | | – | 551 | 546 | 550 | – |
| | 2007 | [i] | – | 542 | 558 | 585 | 630 |
| | 2008 | [b] | – | – | – | – | – |
| | 2009 | | 533 | 554 | 567 | 544 | 560 |
| | 2010 | [b] | – | – | – | – | – |
| | 2011 | [b] | – | – | – | – | – |
| | 2012 | [j] | – | – | – | – | – |
| Average [d] (1974–2011) | | | 529 | 553 | 565 | 580 | 584 |
| 5 yr Average [d] (2004–2007, 2009) | | | 533 | 550 | 551 | 565 | 595 |
| Odd Year Average [d] | | | 534 | 550 | 554 | 587 | 588 |
| Even Year Average [d] | | | 524 | 556 | 576 | 570 | 571 |

[a] Missing information.
[b] No samples collected.
[c] Carcass samples collected on spawning grounds, unless otherwise noted.
[d] Averages not weighted by sample size.
[e] Samples aged. Missing information.
[f] Escapement samples taken with 5 7/8 in mesh gillnet.
[g] Escapement samples taken with beach seine.
[h] Samples taken predominantly late in run.
[i] Collection taken at the mouth of the Kantishna River of which the Toklat is a tributary producing the majority of fall chum salmon. Samples were collected from subsistence caught fish throughout the run based on historical timing at this site.
[j] Age, sex, and length data collected, but cannot be paired.

# APPENDIX D: COHO SALMON

Appendix D1.–Yukon River District 1 coho salmon commercial gillnet harvest, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (2.1) N | % | 2007 (3.1) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|
| 7/23, 26, 30; 8/9, 18 Periods 1–9 | 190 | Male | 1,954 | 10.0 | 7,199 | 36.8 | 514 | 2.6 | 9,667 | 49.5 |
| | | Female | 1,954 | 10.0 | 7,302 | 37.4 | 617 | 3.2 | 9,873 | 50.5 |
| | | Subtotal | 3,908 | 20.0 | 14,501 | 74.2 | 1,131 | 5.8 | 19,540 | 100.0 |
| | | Male Mean Length | 547 | | 536 | | 549 | | | |
| | | SE | 6 | | 3 | | 15 | | | |
| | | Range | 495–595 | | 476–600 | | 513–591 | | | |
| | | n | 19 | | 70 | | 5 | | | |
| | | Female Mean Length | 542 | | 537 | | 526 | | | |
| | | SE | 5 | | 3 | | 5 | | | |
| | | Range | 511–576 | | 475–578 | | 513–550 | | | |
| | | n | 19 | | 71 | | 6 | | | |
| 8/20, 23 Periods 10, 11 | 136 | Male | 2,101 | 16.2 | 4,201 | 32.4 | 573 | 4.4 | 6,875 | 52.9 |
| | | Female | 1,623 | 12.5 | 3,915 | 30.1 | 573 | 4.4 | 6,111 | 47.1 |
| | | Subtotal | 3,724 | 28.7 | 8,116 | 62.5 | 1,146 | 8.8 | 12,986 | 100.0 |
| | | Male Mean Length | 563 | | 549 | | 548 | | | |
| | | SE | 4 | | 4 | | 11 | | | |
| | | Range | 525–598 | | 489–604 | | 516–588 | | | |
| | | n | 22 | | 44 | | 6 | | | |
| | | Female Mean Length | 535 | | 546 | | 528 | | | |
| | | SE | 7 | | 4 | | 15 | | | |
| | | Range | 463–572 | | 486–584 | | 475–579 | | | |
| | | n | 17 | | 41 | | 6 | | | |
| 8/27, 30 Periods 12, 13 | 132 | Male | 1,205 | 16.7 | 2,410 | 33.3 | 55 | 0.8 | 3,670 | 50.8 |
| | | Female | 1,150 | 15.9 | 2,191 | 30.3 | 219 | 3.0 | 3,561 | 49.2 |
| | | Subtotal | 2,356 | 32.6 | 4,602 | 63.6 | 274 | 3.8 | 7,231 | 100.0 |
| | | Male Mean Length | 556 | | 540 | | 590 | | | |
| | | SE | 6 | | 4 | | – | | | |
| | | Range | 505–595 | | 487–593 | | – | | | |
| | | n | 22 | | 44 | | 1 | | | |
| | | Female Mean Length | 547 | | 547 | | 550 | | | |
| | | SE | 4 | | 5 | | 7 | | | |
| | | Range | 512–594 | | 474–599 | | 537–568 | | | |
| | | n | 21 | | 40 | | 4 | | | |
| Season | 458 | Male | 5,260 | 13.2 | 13,811 | 34.7 | 1,142 | 2.9 | 20,212 | 50.8 |
| | | Female | 4,728 | 11.9 | 13,408 | 33.7 | 1,409 | 3.5 | 19,545 | 49.2 |
| | | Total | 9,987 | 25.1 | 27,219 | 68.5 | 2,551 | 6.4 | 39,757 | 100.0 |
| | | Male Mean Length | 554 | | 541 | | 556 | | | |
| | | SE | 4 | | 2 | | 10 | | | |
| | | Range | 495–598 | | 476–604 | | 513–591 | | | |
| | | n | 63 | | 158 | | 12 | | | |
| | | Female Mean Length | 540 | | 542 | | 531 | | | |
| | | SE | 3 | | 2 | | 6 | | | |
| | | Range | 463–594 | | 474–599 | | 475–579 | | | |
| | | n | 57 | | 152 | | 16 | | | |

*Note*: All commercial fishing periods were restricted to 6.0 in or smaller mesh gillnets.

Appendix D2.–Lower Yukon River test fishery (Big Eddy site) coho salmon 6.0 in mesh drift gillnet, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (2.1) N | % | 2007 (3.1) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|
| 7/30–8/7, 9–15 | 65 | Male | 16 | 24.6 | 23 | 35.4 | 0 | 0.0 | 39 | 60.0 |
| Quartile 1 | | Female | 7 | 10.8 | 18 | 27.7 | 1 | 1.5 | 26 | 40.0 |
| | | Subtotal | 23 | 35.4 | 41 | 63.1 | 1 | 1.5 | 65 | 100.0 |
| | | Male Mean Length | 556 | | 556 | | – | | | |
| | | SE | 7 | | 5 | | – | | | |
| | | Range | 504–593 | | 505–596 | | – | | | |
| | | N | 16 | | 23 | | – | | | |
| | | Female Mean Length | 560 | | 567 | | 553 | | | |
| | | SE | 7 | | 4 | | – | | | |
| | | Range | 533–593 | | 540–589 | | – | | | |
| | | N | 7 | | 18 | | 1 | | | |
| 8/16–18 | 35 | Male | 4 | 11.4 | 15 | 42.9 | 2 | 5.7 | 21 | 60.0 |
| Quartile 2 | | Female | 4 | 11.4 | 10 | 28.6 | 0 | 0.0 | 14 | 40.0 |
| | | Subtotal | 8 | 22.9 | 25 | 71.4 | 2 | 5.7 | 35 | 100.0 |
| | | Male Mean Length | 565 | | 560 | | 540 | | | |
| | | SE | 13 | | 6 | | 32 | | | |
| | | Range | 526–587 | | 520–600 | | 508–572 | | | |
| | | n | 4 | | 15 | | 2 | | | |
| | | Female Mean Length | 559 | | 560 | | – | | | |
| | | SE | 8 | | 9 | | – | | | |
| | | Range | 543–580 | | 516–604 | | – | | | |
| | | n | 4 | | 10 | | – | | | |
| 8/24–25, 31–9/2, 4 | 9 | Male | 2 | 22.2 | 3 | 33.3 | 0 | 0.0 | 5 | 55.6 |
| Quartile 3 | | Female | 2 | 22.2 | 2 | 22.2 | 0 | 0.0 | 4 | 44.4 |
| | | Subtotal | 4 | 44.4 | 5 | 55.6 | 0 | 0.0 | 9 | 100.0 |
| | | Male Mean Length | 559 | | 554 | | – | | | |
| | | SE | 16 | | 16 | | – | | | |
| | | Range | 543–575 | | 537–587 | | – | | | |
| | | n | 2 | | 3 | | – | | | |
| | | Female Mean Length | 577 | | 556 | | – | | | |
| | | SE | 22 | | 2 | | – | | | |
| | | Range | 555–599 | | 554–557 | | – | | | |
| | | n | 2 | | 2 | | – | | | |
| 9/7–8, 11–16, 19 | 13 | Male | 3 | 23.1 | 2 | 15.4 | 1 | 7.7 | 6 | 46.2 |
| Quartile 4 | | Female | 2 | 15.4 | 4 | 30.8 | 1 | 7.7 | 7 | 53.8 |
| | | Subtotal | 5 | 38.5 | 6 | 46.2 | 2 | 15.4 | 13 | 100.0 |
| | | Male Mean Length | 560 | | 556 | | 567 | | | |
| | | SE | 22 | | 28 | | – | | | |
| | | Range | 518–591 | | 528–583 | | – | | | |
| | | n | 3 | | 2 | | 1 | | | |
| | | Female Mean Length | 532 | | 542 | | 593 | | | |
| | | SE | 22 | | 9 | | – | | | |
| | | Range | 510–553 | | 520–557 | | – | | | |
| | | n | 2 | | 4 | | 1 | | | |

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Appendix D2.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (2.1) N | % | 2007 (3.1) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|
| Total | 122 | Male | 25 | 20.5 | 43 | 35.2 | 3 | 2.5 | 71 | 58.2 |
| | | Female | 15 | 12.3 | 34 | 27.9 | 2 | 1.6 | 51 | 41.8 |
| | | Total | 40 | 32.8 | 77 | 63.1 | 5 | 4.1 | 122 | 100.0 |
| | | Male Mean Length | 558 | | 557 | | 549 | | | |
| | | SE | 5 | | 4 | | 21 | | | |
| | | Range | 504–593 | | 505–600 | | 508–572 | | | |
| | | n | 25 | | 43 | | 3 | | | |
| | | Female Mean Length | 558 | | 561 | | 573 | | | |
| | | SE | 6 | | 4 | | 20 | | | |
| | | Range | 510–599 | | 516–604 | | 553–593 | | | |
| | | n | 15 | | 34 | | 2 | | | |

Appendix D3.–Lower Yukon River test fishery (Middle Mouth site) coho salmon 6.0 in mesh drift gillnet, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (2.1) N | % | 2007 (3.1) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|
| 8/1, 4–10, 14–15 | 29 | Male | 5 | 17.2 | 10 | 34.5 | 2 | 6.9 | 17 | 58.6 |
| Quartile 1 | | Female | 5 | 17.2 | 7 | 24.1 | 0 | 0.0 | 12 | 41.4 |
| | | Subtotal | 10 | 34.5 | 17 | 58.6 | 2 | 6.9 | 29 | 100.0 |
| | | Male Mean Length | 545 | | 539 | | 550 | | | |
| | | SE | 12 | | 7 | | 6 | | | |
| | | Range | 515–578 | | 509–586 | | 544–555 | | | |
| | | n | 5 | | 10 | | 2 | | | |
| | | Female Mean Length | 563 | | 555 | | – | | | |
| | | SE | 7 | | 8 | | – | | | |
| | | Range | 539–577 | | 516–582 | | – | | | |
| | | n | 5 | | 7 | | – | | | |
| 8/16–20 | 55 | Male | 9 | 16.4 | 16 | 29.1 | 1 | 1.8 | 26 | 47.3 |
| Quartile 2 | | Female | 8 | 14.5 | 20 | 36.4 | 1 | 1.8 | 29 | 52.7 |
| | | Subtotal | 17 | 30.9 | 36 | 65.5 | 2 | 3.6 | 55 | 100.0 |
| | | Male Mean Length | 571 | | 556 | | 572 | | | |
| | | SE | 11 | | 9 | | – | | | |
| | | Range | 527–629 | | 447–604 | | – | | | |
| | | n | 9 | | 16 | | 1 | | | |
| | | Female Mean Length | 568 | | 565 | | 548 | | | |
| | | SE | 4 | | 3 | | – | | | |
| | | Range | 554–586 | | 547–593 | | – | | | |
| | | n | 8 | | 20 | | 1 | | | |
| 8/22–23, 26–29, 31; 9/1–4 | 97 | Male | 8 | 8.2 | 26 | 26.8 | 6 | 6.2 | 40 | 41.2 |
| Quartile 3 | | Female | 16 | 16.5 | 35 | 36.1 | 6 | 6.2 | 57 | 58.8 |
| | | Subtotal | 24 | 24.7 | 61 | 62.9 | 12 | 12.4 | 97 | 100.0 |
| | | Male Mean Length | 564 | | 552 | | 552 | | | |
| | | SE | 13 | | 4 | | 10 | | | |
| | | Range | 518–601 | | 514–590 | | 528–585 | | | |
| | | n | 8 | | 26 | | 6 | | | |
| | | Female Mean Length | 551 | | 553 | | 557 | | | |
| | | SE | 5 | | 4 | | 8 | | | |
| | | Range | 505–596 | | 504–628 | | 540–582 | | | |
| | | n | 16 | | 35 | | 6 | | | |
| 9/5–19 | 91 | Male | 18 | 19.8 | 26 | 28.6 | 5 | 5.5 | 49 | 53.8 |
| Quartile 4 | | Female | 11 | 12.1 | 27 | 29.7 | 4 | 4.4 | 42 | 46.2 |
| | | Subtotal | 29 | 31.9 | 53 | 58.2 | 9 | 9.9 | 91 | 100.0 |
| | | Male Mean Length | 554 | | 560 | | 557 | | | |
| | | SE | 6 | | 5 | | 10 | | | |
| | | Range | 519–615 | | 514–615 | | 524–580 | | | |
| | | n | 18 | | 26 | | 5 | | | |
| | | Female Mean Length | 552 | | 547 | | 562 | | | |
| | | SE | 6 | | 4 | | 5 | | | |
| | | Range | 516–589 | | 512–587 | | 551–572 | | | |
| | | n | 11 | | 27 | | 4 | | | |

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Appendix D3.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (2.1) N | % | 2007 (3.1) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|
| Total | 272 | Male | 40 | 14.7 | 78 | 28.7 | 14 | 5.1 | 132 | 48.5 |
| | | Female | 40 | 14.7 | 89 | 32.7 | 11 | 4.0 | 140 | 51.5 |
| | | Total | 80 | 29.4 | 167 | 61.4 | 25 | 9.2 | 272 | 100.0 |
| | | Male Mean Length | 559 | | 554 | | 555 | | | |
| | | SE | 5 | | 3 | | 5 | | | |
| | | Range | 515–629 | | 447–615 | | 524–585 | | | |
| | | n | 40 | | 78 | | 14 | | | |
| | | Female Mean Length | 556 | | 554 | | 558 | | | |
| | | SE | 3 | | 2 | | 5 | | | |
| | | Range | 505–596 | | 504–628 | | 540–582 | | | |
| | | n | 40 | | 89 | | 11 | | | |

Appendix D4.–Lower Yukon River test fishery (combined Big Eddy and Middle Mouth sites) coho salmon 6.0 in mesh drift gillnet, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (2.1) N | % | 2007 (3.1) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|
| 7/30–8/4, 10–15 | 94 | Male | 21 | 22.3 | 33 | 35.1 | 2 | 2.1 | 56 | 59.6 |
| Quartile 1 | | Female | 12 | 12.8 | 25 | 26.6 | 1 | 1.1 | 38 | 40.4 |
| | | Subtotal | 33 | 35.1 | 58 | 61.7 | 3 | 3.2 | 94 | 100.0 |
| | | Male Mean Length | 553 | | 551 | | 550 | | | |
| | | SE | 6 | | 4 | | 6 | | | |
| | | Range | 504–593 | | 505–596 | | 544–555 | | | |
| | | n | 21 | | 33 | | 2 | | | |
| | | Female Mean Length | 561 | | 564 | | 553 | | | |
| | | SE | 5 | | 3 | | – | | | |
| | | Range | 533–593 | | 516–589 | | – | | | |
| | | n | 12 | | 25 | | 1 | | | |
| 8/16–20 | 90 | Male | 13 | 14.4 | 31 | 34.4 | 3 | 3.3 | 47 | 52.2 |
| Quartile 2 | | Female | 12 | 13.3 | 30 | 33.3 | 1 | 1.1 | 43 | 47.8 |
| | | Subtotal | 25 | 27.8 | 61 | 67.8 | 4 | 4.4 | 90 | 100.0 |
| | | Male Mean Length | 569 | | 558 | | 551 | | | |
| | | SE | 8 | | 6 | | 21 | | | |
| | | Range | 526–629 | | 447–604 | | 508–572 | | | |
| | | n | 13 | | 31 | | 3 | | | |
| | | Female Mean Length | 565 | | 563 | | 548 | | | |
| | | SE | 4 | | 4 | | – | | | |
| | | Range | 543–586 | | 516–604 | | – | | | |
| | | n | 12 | | 30 | | 1 | | | |
| 8/22–29, 31–9/4 | 106 | Male | 10 | 9.4 | 29 | 27.4 | 6 | 5.7 | 45 | 42.5 |
| Quartile 3 | | Female | 18 | 17.0 | 37 | 34.9 | 6 | 5.7 | 61 | 57.5 |
| | | Subtotal | 28 | 26.4 | 66 | 62.3 | 12 | 11.3 | 106 | 100.0 |
| | | Male Mean Length | 563 | | 552 | | 552 | | | |
| | | SE | 11 | | 4 | | 10 | | | |
| | | Range | 518–601 | | 514–590 | | 528–585 | | | |
| | | n | 10 | | 29 | | 6 | | | |
| | | Female Mean Length | 554 | | 553 | | 557 | | | |
| | | SE | 5 | | 4 | | 8 | | | |
| | | Range | 505–599 | | 504–628 | | 540–582 | | | |
| | | n | 18 | | 37 | | 6 | | | |
| 9/5–19 | 104 | Male | 21 | 20.2 | 28 | 26.9 | 6 | 5.8 | 55 | 52.9 |
| Quartile 4 | | Female | 13 | 12.5 | 31 | 29.8 | 5 | 4.8 | 49 | 47.1 |
| | | Subtotal | 34 | 32.7 | 59 | 56.7 | 11 | 10.6 | 104 | 100.0 |
| | | Male Mean Length | 555 | | 559 | | 558 | | | |
| | | SE | 6 | | 5 | | 8 | | | |
| | | Range | 518–615 | | 514–615 | | 524–580 | | | |
| | | n | 21 | | 28 | | 6 | | | |
| | | Female Mean Length | 548 | | 546 | | 568 | | | |
| | | SE | 6 | | 3 | | 7 | | | |
| | | Range | 510–589 | | 512–587 | | 551–593 | | | |
| | | n | 13 | | 31 | | 5 | | | |

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Appendix D4.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (2.1) N | % | 2007 (3.1) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|
| Total | 394 | Male | 65 | 16.5 | 121 | 30.7 | 17 | 4.3 | 203 | 51.5 |
| | | Female | 55 | 14.0 | 123 | 31.2 | 13 | 3.3 | 191 | 48.5 |
| | | Total | 120 | 30.5 | 244 | 61.9 | 30 | 7.6 | 394 | 100.0 |
| | | Male Mean Length | 558 | | 555 | | 554 | | | |
| | | SE | 4 | | 2 | | 5 | | | |
| | | Range | 504–629 | | 447–615 | | 508–585 | | | |
| | | n | 65 | | 121 | | 17 | | | |
| | | Female Mean Length | 556 | | 556 | | 560 | | | |
| | | SE | 3 | | 2 | | 5 | | | |
| | | Range | 505–599 | | 504–628 | | 540–593 | | | |
| | | n | 55 | | 123 | | 13 | | | |

Appendix D5.–Yukon River Mountain Village test fishery coho salmon 5 7/8 in mesh drift gillnet, age and sex composition, and mean length (mm), 2012.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (2.1) N | % | 2007 (3.1) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|
| 7/27–29; 8/4–5, 7–8, 10–11, 13, 15 Quartile 1 | 18 | Male | 4 | 22.2 | 8 | 44.4 | 1 | 5.6 | 13 | 72.2 |
| | | Female | 2 | 11.1 | 3 | 16.7 | 0 | 0.0 | 5 | 27.8 |
| | | Subtotal | 6 | 33.3 | 11 | 61.1 | 1 | 5.6 | 18 | 100.0 |
| | | Male Mean Length | 514 | | 559 | | 527 | | | |
| | | SE | 39 | | 10 | | – | | | |
| | | Range | 410–600 | | 523–600 | | – | | | |
| | | n | 4 | | 8 | | 1 | | | |
| | | Female Mean Length | 580 | | 549 | | – | | | |
| | | SE | 4 | | 9 | | – | | | |
| | | Range | 576–584 | | 532–559 | | – | | | |
| | | n | 2 | | 3 | | – | | | |
| 8/19–20 Quartile 2 | 16 | Male | 3 | 18.8 | 7 | 43.8 | 0 | 0.0 | 10 | 62.5 |
| | | Female | 2 | 12.5 | 3 | 18.8 | 1 | 6.3 | 6 | 37.5 |
| | | Subtotal | 5 | 31.3 | 10 | 62.5 | 1 | 6.3 | 16 | 100.0 |
| | | Male Mean Length | 530 | | 552 | | – | | | |
| | | SE | 4 | | 9 | | – | | | |
| | | Range | 523–535 | | 518–592 | | – | | | |
| | | n | 3 | | 7 | | – | | | |
| | | Female Mean Length | 556 | | 557 | | 555 | | | |
| | | SE | 1 | | 31 | | – | | | |
| | | Range | 555–557 | | 512–615 | | – | | | |
| | | n | 2 | | 3 | | 1 | | | |
| 8/27–28, 8/30–9/4 Quartile 3 | 46 | Male | 14 | 30.4 | 9 | 19.6 | 1 | 2.2 | 24 | 52.2 |
| | | Female | 8 | 17.4 | 12 | 26.1 | 2 | 4.3 | 22 | 47.8 |
| | | Subtotal | 22 | 47.8 | 21 | 45.7 | 3 | 6.5 | 46 | 100.0 |
| | | Male Mean Length | 540 | | 572 | | 533 | | | |
| | | SE | 7 | | 8 | | – | | | |
| | | Range | 500–605 | | 540–605 | | – | | | |
| | | n | 14 | | 9 | | 1 | | | |
| | | Female Mean Length | 549 | | 548 | | 555 | | | |
| | | SE | 6 | | 7 | | 10 | | | |
| | | Range | 525–575 | | 510–590 | | 545–565 | | | |
| | | n | 8 | | 12 | | 2 | | | |
| 9/5–9, 11, 13 Quartile 4 | 34 | Male | 8 | 23.5 | 9 | 26.5 | 0 | 0.0 | 17 | 50.0 |
| | | Female | 4 | 11.8 | 9 | 26.5 | 4 | 11.8 | 17 | 50.0 |
| | | Subtotal | 12 | 35.3 | 18 | 52.9 | 4 | 11.8 | 34 | 100.0 |
| | | Male Mean Length | 540 | | 537 | | – | | | |
| | | SE | 7 | | 8 | | – | | | |
| | | Range | 505–575 | | 490–565 | | – | | | |
| | | n | 8 | | 9 | | – | | | |
| | | Female Mean Length | 539 | | 556 | | 544 | | | |
| | | SE | 6 | | 8 | | 8 | | | |
| | | Range | 530–555 | | 525–600 | | 525–560 | | | |
| | | n | 4 | | 9 | | 4 | | | |

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Appendix D5.–Page 2 of 2.

| Sample Dates | Sample Size | | Brood Year (Age) 2009 (1.1) N | % | 2008 (2.1) N | % | 2007 (3.1) N | % | Total N | % |
|---|---|---|---|---|---|---|---|---|---|---|
| Total | 114 | Male | 29 | 25.4 | 33 | 28.9 | 2 | 1.8 | 64 | 56.1 |
| | | Female | 16 | 14.0 | 27 | 23.7 | 7 | 6.1 | 50 | 43.9 |
| | | Total | 45 | 39.5 | 60 | 52.6 | 9 | 7.9 | 114 | 100.0 |
| | | Male Mean Length | 535 | | 555 | | 530 | | | |
| | | SE | 6 | | 5 | | 3 | | | |
| | | Range | 410–605 | | 490–605 | | 527–533 | | | |
| | | n | 29 | | 33 | | 2 | | | |
| | | Female Mean Length | 551 | | 552 | | 549 | | | |
| | | SE | 4 | | 5 | | 5 | | | |
| | | Range | 525–584 | | 510–615 | | 525–565 | | | |
| | | n | 16 | | 27 | | 7 | | | |