Shared Information for Fishery Management in AYK

Part 1: AYK Data Inventory and Problem Review
Part 2: Survey of Fishery Researchers and Managers

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Project Report Summary Page

Title: Shared Information for Fishery Management in AYK
Part 1: AYK Data Inventory and Problem Review
Part 2: Survey of Fishery Researchers and Managers

Study Number: FIS00-016

Investigator/Affiliation: Helen H. Hamner/Alaska Department of Fish and Game, Division of Commercial Fisheries

Management Regions: Arctic / Kotzebue / Norton Sound, Yukon River and Kuskokwim River

Information Type: Stock Status and Trends

Issue Addressed: Implementation of this project is the first step in developing a comprehensive data management system for use by all governmental and public entities involved in managing fisheries in the Arctic-Yukon-Kuskokwim Region.

Study Cost: $63,101

Study Duration: July 2000 to September 2002

Abstract: The effectiveness of fishery management is enhanced when full use is made of existing information. Timely access to critical information from a wide variety of sources is needed to make informed decisions. In addition, field and office staff need an efficient means of collecting organizing and processing the large quantity of new data collected each year. A database management system for the Arctic-Yukon-Kuskokwim Region (AYK) does not currently exist. The ultimate goal of this project is the development of a comprehensive data management system for use by all governmental and public entities involved in managing these fisheries. The first phase of this project, documented in this report, created an inventory and aggregated existing data, identified known problems with particular data, and listed primary contact information. Salmon species were the primary focus. This phase is continued under FOSM FIS02-069.

Key Words: Arctic-Yukon-Kuskokwim Region, AYK Region, salmon, fisheries management, Kuskokwim River, Kuskokwim Area, Yukon Area, Yukon River, Norton Sound, Port Clarence, Kotzebue, chinook, chum, subsistence, fisheries database

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Shared Information for Fishery Management in AYK

Part 1

AYK Data Inventory and Problem Review

1.1 INTRODUCTION

The Arctic-Yukon-Kuskokwim (AYK) Region includes diverse subsistence, commercial, personal use and sport fisheries. The region is divided into four state management areas: the Kuskokwim, the Yukon, the Norton Sound/Port Clarence and Kotzebue Sound (Figure 1.1). Salmon fishery management decisions in all four areas are based on interpretation of categorically similar data. However, the data management systems developed in each area remain highly localized and have evolved to meet the needs of each specific area and staff. Fishery management in Alaska, particularly in the AYK region, is changing rapidly. Federal agencies recently assumed responsibility for management of subsistence fisheries in federal conservation units. In conjunction with the increased complexity of the management process, the population dynamics of several salmon species appear to be undergoing substantial change.

The existing system is not well suited to such a dynamic management environment. Existing data summaries are rigid. Making modifications to look at data in new ways, in response to changing management needs or research questions, is often extremely laborious. Also, various types of related data are stored in diverse formats and locations, making complex questions requiring integration of multiple data sources difficult to address. The current method of recording data on paper and spreadsheets make it difficult to share information with other agencies and groups.

The effectiveness of fishery management is enhanced when full use is made of existing information. Management decisions depend upon timely interpretation and comparisons of current year and historic data. Historic data needs to be accessible in a flexible and easy-to-use database. Field and office staff need an efficient means of collecting and processing the large quantity of new data collected each year. In addition, a danger exists in losing data during staff transitions and degradation of ageing electronic media. As new field projects are planned and more data is collected, a sophisticated means of formatting, editing, reporting and archiving is needed. Integrating information into a single database management system is an advantage for managers and researchers. Optimally, only one copy of the data is contained in one software environment, employing consistent coding and formats, and in one program development/maintenance environment, ensuring preservation.

Area Description

The AYK Region encompasses over 70% of the landmass in Alaska and is roughly equivalent to the combined land areas of Washington, Oregon, Idaho and California. The region includes Norton Sound, Kotzebue Sound, Port Clarence; and two large drainages: the Yukon River and the Kuskokwim River. Most of the region is remote and supports one of the largest wild migrations of chinook and chum salmon in the world. Five salmon species are harvested in the region.

1.2 OBJECTIVES

The ultimate objective of this project is develop an information storage and retrieval system comprehensive in scope and flexible in use, and to make that system available to all parties involved in fishery management. This objective will be achieved in multiple projects and phases. Currently, two projects have been funded by the Federal Office of Subsistence Management, FIS00-016 and FIS02-069. Both projects include compiling a regional inventory of salmon data, as well as aggregating, correcting and standardizing data. Project FIS00-016 also includes a needs assessment survey of potential users of a fisheries database. This report addresses the first goal of FIS00-016, which includes two primary objectives and one secondary objective:

Primary Objectives:

A) Compile a comprehensive inventory of existing sources of data useful for fishery management including its location and storage format and document the inventory in a report.

B) Survey state and federal fishery managers and researchers, as well as public entities involved with fishery management, to determine the information needed to make informed fishery management decisions. Responses, particularly major themes, will be documented in a report.

Secondary Objective:

A) Correct or reconfigure important data sources identified in primary objective A) that are currently in a form that would be especially difficult to incorporate into a data management system.

Project Scope and Redefinition of Objectives

During the course of the project, it became obvious that a thorough inventory of all data could not be completed within the allotted timeframe and funding allowance. An enormous quantity of historic data exists for the region. Over 150 projects that monitor salmon harvests, escapements, and measure stock abundance and biological attributes have been conducted in the region in the last 40 years (Tables 1.1-1.3). Subsistence harvest information has been collected from approximately 110 communities in the AYK Region (Figure 1.2). Data from over nine million commercial sales receipts (fish tickets) are available in electronic format for each commercial landing made in the region's salmon fisheries since 1969 (Appendix Tables A1-A4). Salmon observations have been made on over 315 streams in the AYK region and include over 70,000 records of daily and annual estimates of abundance before 1999. Although a substantial increase in the number of new projects has occurred recently, many are long-standing projects such as the Fishing Branch Weir, which has been in operation for thirty years, or the Holitna

Weir with thirty-five years of data on fish passage. Biological information has been collected for over forty years from harvests and escapements to estimate age, sex and length (ASL) composition of these populations. This information is stored in individual files for each project, gear, species and year combination. Over 3,400 raw data ASL files have been inventoried since the beginning of the project (Table 1.4). A nearly equal number of files containing summarized age compositions were also inventoried.

Challenges encountered in dealing with the high volume of data made clear the lack of a regional system of archiving data with the exception of fish tickets. Data archives have gone through a transition as data processing and storage changed from mainframe to personal computers. During the era of mainframe computers, data processing for major data sets was generally centralized and controlled; coding and formats were standardized. Recently, personal computers have allowed biologists greater independence in controlling and analyzing project data. However as a result of this independence, data coding, error checking and storage have diversified or have been nonexistent; and data residing with project leaders has been lost during staff transitions. Currently, historical fisheries data are stored in hardcopy or different formats such as ASCI, spreadsheet and word processing electronic files. These data are stored in various locations by project leaders using different and sometimes obsolete media.

This inventory is neither complete nor final. It mainly includes information collected or archived by ADF&G, and excludes many projects of one or two years duration. Auxiliary data sets such as environmental information or meteorological data were not included. This inventory will be updated under FIS-069, which is providing additional funding to complete the inventory and to continue with aggregating, correcting and standardizing data.

1.3 METHODS

This inventory includes detailed and summarized data, individual data files and databases. Descriptions of individual files include filenames, file type, project, location, species, and a brief description of the data. Database descriptions were not included in this report. An inventory of databases will be included in the final report for FIS-069. A detailed description such as variable type and length will not be included for databases since some of these databases include over 50 relational data tables with hundreds of column names. Database documentation is or will be cited whenever possible. The agency and contact person listed are those most able to supply information on the project rather than listing the funding source. Data files were collected and archived as time allowed during the development of the inventory. Specific problems with data are included for most files.

Data Categories and Type

The major data categories of importance for fisheries management in this area were identified as subsistence, commercial and test fish harvests and effort, biological (age, sex, size and other data), and escapements and stock identification. Each of these categories consists of raw or detailed data (individual observations), and compiled or summarized data.

Detailed data consist of individual observations such as the age, sex and length of a fish, an hourly tower count or a household's harvest of subsistence salmon. Examples of summarized data include the average length, percent age composition of a population of fish, or annual estimate of escapement past a tower.

Both types are important depending on the purpose. Summarized age, sex, length data are often allocated and weighted by a specific population, such as a district's commercial harvest. However, individual records are necessary for tasks such as evaluating estimation or expansion methods, estimating variances of daily passage, comparing a household's subsistence harvest from one year to the next or for fish growth studies. All categories of data are listed in this inventory.

This report is organized by data category and management area with the exception of the Port Clarence Area, which is included with the Norton Sound/Kotzebue Area. These areas are managed by the same staff. Fishing activity and research in the Port Clarence Area consists of a small subsistence fishery and the Pilgrim River tower and Salmon Lake projects.

Most data sets in the region are in separate files according to this structure. An exception is the Yukon 'spread web' which, although it is maintained in a spreadsheet, is the beginning of an integrated fisheries management database system and is therefore mentioned in several sections.

1.4 RESULTS

Tasks completed under this agreement are listed in Table 1.5. Lists of AYK historical projects for each area including project name, years of operation, source agency and contact person were created (Tables 1.1-1.3).

1.4.1 Subsistence Fisheries

The subsistence salmon fisheries of the AYK region are the largest of their kind in the world. The first survey of subsistence harvests took place on the Yukon River in 1919; however, harvests were not reported by village until 1931. Systematic surveys have been conducted annually since 1960 in the Kuskokwim Area, 1961 in the Yukon Area, 1963 in the Norton Sound Area, and 1967 in the Kotzebue Area. Surveys during the early years

only documented chinook and small salmon (all other salmon species combined). Most surveys included the number of fishing families, type of gear and number of dogs per village.

Approximately 9,050 households harvest salmon for subsistence annually. Information on subsistence harvests is collected each year from approximately 100 communities in the AYK Region (Figure 1.2). Detailed information on harvests by species, number of people and dogs in each household and other information is reported and maintained by Subsistence Division (Kuskokwim Area, Norton Sound/Kotzebue and Port Clarence), Division of Commercial Fisheries (Yukon Area) and Department of Fisheries and Oceans (Canadian portion of Yukon drainage) (Tables 1.1-1.3). Annual harvests by community are included in a statewide database maintained by Subsistence Division. An overview and comparison of the subsistence methods used in each area and the history of data collection were reviewed and summarized by the statewide subsistence harvest assessment working group in Subsistence Salmon Harvest Assessment Program Overview: Yukon Area (Caylor 2000). The results from subsistence harvest projects are reported in the Division of Commercial Fisheries annual management reports and in a separate Regional Informational Report (RIR).

1.4.1a Kuskokwim Area

The Alaska Department of Fish and Game Subsistence Division collects information on subsistence salmon harvests for approximately 3,500 households in 37 Kuskokwim Area villages annually. The Division of Commercial Fisheries began conducting salmon harvest surveys along the Kuskokwim River in 1960, with surveys initiated in Quinhagak in 1967, and in Goodnews Bay and Platinum in 1979. The Subsistence Division has been responsible for collecting and analyzing subsistence data since 1988. Recent methods of collecting subsistence data have been accomplished using subsistence salmon catch calendars, postseason community household surveys, postcard surveys, and telephone surveys.

1.4.1b Yukon Area

Harvest data are collected from over 1,000 households in approximately 45 communities annually. The history and methods of collecting subsistence harvest information is described in Borba and Hamner (1999). Personal interviews, returned permits, harvest calendars and mailed questionnaires have been the primary sources of information used to estimate the number of subsistence salmon harvested in the Yukon Area. The Subsistence Division standardized the survey methodology in 1988 by identifying and stratifying households within communities into those that usually fish and those that usually do not fish. Division of Commercial Fisheries revised this stratification in 1990. Households were divided into groups based on historical subsistence harvests of each household. Household surveys also include questions regarding the number of people in the household, number of dogs and fish fed to dogs.

The Division of Commercial Fisheries is responsible for collecting subsistence harvest information from households within the Yukon River Area communities. The region's

Biometrics Section maintains historical, annual survey data at the household level for the years, 1988 to 2001.

Subsistence permits are required in some areas of the Yukon River drainage. Harvesters are required to record daily catches by species (salmon and other fish). The permit form includes questions regarding the number of fish for dogs, gear to be used and areas to be fished. Permits are issued to about 400-500 households each year. This data is collected and archived by the region's Fairbanks office staff.

Subsistence harvest information obtained from these projects is reported in the Yukon Area AMR as well as in a separate Yukon Area subsistence report. All historical Yukon Area survey and permit data were recently converted from obsolete DOS database software to the Access database software. These data files were organized and copied to CD. A copy was provided to Subsistence Division for inclusion in the statewide harvest database.

1.4.1c Norton Sound/Kotzebue and Port Clarence Areas

From 1960 to 1982, the department conducted annual household surveys in communities with major salmon fisheries in Norton Sound. In 1994, annual subsistence harvest assessment effort in northwest Alaska provided more extensive, complete and reliable salmon harvest estimates than previously existed. In 1998, ADF&G continued its subsistence harvest assessment program by conducting household surveys in ten communities within the Norton Sound area, two communities in the Port Clarence area, and six of the 15 communities in the Kotzebue Area. In the town of Kotzebue, subsistence salmon harvests were determined through postcard surveys. In Nome, subsistence harvest was determined through fishing permits and catch calendars.

1.4.2 Commercial Fisheries

Commercial fishing in AYK began in the late 1800s; however, significant harvests did not occur until 1918. Information on harvests in the early years of the fishery is from processor reports. The number of salmon was estimated from the number of tierces or barrels and can packs. In more recent years, salmon buyers were required to submit sales receipts or fish tickets from individual deliveries. Information from fish tickets provides managers with the number of permits fished during each opening, area of catch, and number and pounds of each species harvested. Before the introduction of personal computers, this information was hand-tallied during the fishing season and entered post-season into mainframe or mini computers located in Anchorage or Juneau. Electronic records of fish tickets exist from 1969 and are archived by the Division's Computer Services section in Juneau. Since 1981, local area staff using personal computers in the Emmonak field office and since 1984, in the Fairbanks, Nome, Bethel, and Kotzebue offices, entered fish ticket data during the fishing season. However, all fish ticket data, both fish tickets and electronic data, are archived postseason in Juneau. The number of fish tickets by area and district or subdistrict is summarized in Appendix Tables A1-A4.

Beginning in 2000, fish ticket information was entered and archived in a centralized Oracle database located on a server in the Computer Services Section of Division of Commercial Fisheries Headquarters in Juneau. An ongoing project imports and corrects historical data for the years 1969 through 1999 into the new data system. This new system will ultimately allow more flexible data queries and reports, and be more user-friendly.

Discrepancies are known to exist between the official fish ticket database maintained by the Division's Computer Services in Juneau and records of harvests maintained by area staff reported in Area Management Reports. Opportunity existed at the start of this project to work with the programmer in charge of developing the new fish ticket database and importing the historical fish ticket records into this new database. A fisheries biologist with extensive experience as a catch monitor in the Bethel office worked with Computer Services staff to help resolve discrepancies. Hardcopies of fish tickets were pulled from the archives in an effort to reconcile these differences. One year of data for one area was missing from the database and was rekeyed and added to the historical database. In addition, files of historical fishing periods were created and given to the Computer Services Section, which could be checked against fish ticket data loaded into the new system. As of the time of this publication, this work is continuing and differences between area and headquarters fish ticket tallies must still be resolved.

1.4.2a Kuskokwim Area

On the Kuskokwim River, fisheries management is divided into four districts: 1, 2, 4, and 5 (Figure 1.4) with commercial harvests occurring primarily in Districts 1 and 4. There were no commercial fishing periods in District 2 in 1999, 2001, or 2002. Five species of salmon have been harvested commercially. Coho salmon are the most important commercial salmon species in terms of harvest numbers and value, followed by sockeye, chum, and chinook salmon.

Kuskokwim commercial harvests from 1913-1961 are summarized in *Arctic-Yukon-Kuskokwim Area Salmon Fishing History* (Pennoyer, et al. 1965). Salmon species are listed by numbers of fish, tierces, or barrels. Pennoyer lists sources for pre-statehood commercial harvest information from unpublished Fish and Wildlife annual reports, Pacific Fisherman Yearbook, and Alaska Fish and Fur Industries Reports published by the Bureau of Fisheries. Before 1985, commercial fishing periods in the Kuskokwim River were reported by the dominant species targeted (chinook, chum or coho salmon season).

Appendix Table A.5 presents an inventory of electronic data and printed sources pertaining to the commercial harvest of salmon in the Kuskokwim Area. The 1999 AMR for the Kuskokwim Area (Burkey, et al. 1999) lists harvests by date for Districts 1 (lower river) and 2 (middle river) for the years 1974-1999. The number of permits, hours fished, and harvest numbers by species are included. The electronic files for this information are located in the Bethel office.

Historical commercial catch tables for Kuskokwim Bay Districts: 4 (Quinhagak) and 5 (Goodnews Bay) are included in the 1999 AMR and are available in electronic format. These files are located in the Bethel office.

Commercial harvests for Districts 1-5, for the years 1960-1974, are reported in the Kuskokwim AMR for each year. District 4 was established in 1960. District 3 (upper river) was abolished in 1966. District 5 was established in 1968. Unlike more current data, harvests before 1966 are not grouped into fishing periods. From 1966 to 1970, some but not all commercial catch data are grouped into weekly periods. Commercial harvest tables were not consistent among the reports compiled from 1960 to the present. For example, during the 1960s, District 1 tables reported chinook salmon harvests only during the chinook season, or chinook and other salmon may be listed, or all species may be listed separately.

1.4.2b Yukon Area

The Yukon Area is divided into seven districts and ten subdistricts. The boundaries were established in 1961, and are delineated into Lower and Upper Yukon River management areas. The Lower Yukon Area is defined by Districts 1, 2, and 3, and includes the coastal waters of the Yukon Area. The coastal District was established in 1994, and is only open to subsistence harvest. The Upper Yukon Area includes Districts 4-6 (Figures 1.5 and 1.6). The Alaska portion of the Yukon River drainage and the boundary of the management area terminate at the Yukon Territory, Canada. Commercial harvests also occur on the Canadian portion of the drainage. The earliest commercial harvest of salmon on the Yukon River was at Dawson, Canada.

The first commercial salmon harvest was recorded in 1918. Large numbers of chinook, chum, and coho salmon were harvested between 1919 and 1921, after which commercial fishing was closed from 1925 to 1931 brought by conflicts with the larger in-river subsistence fishery. Commercial fishing for chinook resumed at a reduced rate in 1932, and has continued to occur annually since then. Commercial harvest of coho and chum salmon has continued annually since 1961.

Since the beginning of the commercial salmon fisheries in 1918, most of the commercial harvest has occurred in Districts 1 and 2. Set gillnets are used in the coastal areas of the Yukon River Delta and drift gillnets are the predominant gear type used in Districts 1, 2 and 3, while; fish wheels are more prevalent in the upper portions of the river.

Commercial fisheries data beginning with 1980 is reported in the Yukon AMR, regional information reports (RIR) and is available electronically (Appendix Table A6). These reports are maintained in the Anchorage office.

1.4.2c Norton Sound/Kotzebue and Port Clarence Areas

The Norton Sound District is divided into six subdistricts: Subdistrict 1, Nome; Subdistrict 2, Golovin; Subdistrict 3, Moses Point; Subdistrict 4, Norton Bay; Subdistrict 5, Shaktoolik; and Subdistrict 6, Unalakleet (Figure 1.7).

Commercial salmon fishing first began in the Unalakleet and Shaktoolik Subdistricts in 1961. Chinook and coho salmon were the primary focus of the fishery. Harvested salmon were flown to Anchorage for processing. In 1962, commercial fishing extended into Norton Bay, Moses Point and Golovin Bay Subdistricts. Since 1963, markets for Norton Sound salmon have been sporadic.

The Port Clarence District encompasses all waters from Cape Douglas north to Cape Prince of Wales including Salmon Lake and the Pilgrim River drainage (Figure 1.8). Commercial salmon harvest has been closed since 1967; the area is only open to subsistence fishing.

The Kotzebue District is divided into three subdistricts and supports the northern most commercial salmon fishery in Alaska (Figure 1.8). All commercial salmon fishing occurs in Subdistrict 1. Chum salmon is the primary target species for commercial harvest although limited amounts of chinook salmon and Dolly Varden (*Salvelinus malma*) are harvested annually. The earliest commercial fishing was documented in 1909. A commercial fishery occurred from 1914 to 1918; salmon were sold to miners working in the upper Kobuk river drainage. The current commercial fishery began under state management in 1962, and was fully developed by the mid-1970s.

Currently, a historical electronic data inventory of the commercial fishery for the Norton Sound/Kotzebue and Port Clarence Areas does not exist; however, the Norton Sound/Kotzebue and Port Clarence AMR include harvest data (1962-1999). These reports are maintained in Nome and Anchorage libraries.

1.4.3 Test Fisheries

Managers can get timely information on salmon abundance, distribution and timing from test fisheries, which can monitor salmon migrations 24 hours per day and 7-days per week using standardized fishing gear. Test fish projects are listed in Tables 1.1-1.3 and described in Tables 1.7-1.9.

1.4.3a Kuskokwim Area

Daily assessments of Kuskokwim River salmon run timing and relative abundance are provided by a drift gillnet test fishery project operated near Bethel. The Bethel test fish project began in 1984 at river mile 80.

Historically, several other test fisheries were attempted in the Kuskokwim River. These projects include Kwegooyuk, 1966-1983, which determined run timing and abundance of Kuskokwim River salmon; Eek test fishery 1988-1994; Kuskokwim River subsistence test fishery, 1988-1990; Aniak test fishery, 1992-1995; Chubathaluk test fishery, 1992-1993; and the Lower Kuskokwim River test fishery, 1995.

Information from the Kuskokwim Area test fisheries is available primarily through annual management reports. These management reports include appendices containing historical daily CPUE and percent daily passage for chinook, sockeye, coho, and chum

salmon in the Bethel test fishery from 1984 to the current year. Additional Bethel and Eek test fish data are archived in various file names and file types on 5 1/2 inch floppy diskettes (Appendix Table B1). Recent historical test fish data are stored on the Anchorage area network. These electronic databases and reports are maintained in Anchorage.

1.4.3b Yukon Area

Inseason management decisions in the Yukon Area are primarily based on commercial and subsistence catches, Pilot Station Sonar estimates and test fishing CPUE data. Currently, test fish projects at Big Eddy and Middle Mouth (including North Mouth) are conducted in the Lower Yukon Area during the summer (June 1 to July 15) and fall (July 16 to August 31) seasons.

The ADF&G Big Eddy test fish project located in the south mouth of the Yukon River (near Emmonak in Kwikluak Pass) has been operational since 1979, and is used to monitor chinook and summer chum salmon runs in the Lower Yukon River. Before 1979, test fishing was conducted at Flat Island from 1963 to 1978. The Middle Mouth test fishing project was established in 1979 to provide information on salmon entering the Middle Mouth in Kawanak Pass and North Mouth in Kwikpak Pass.

A drift gillnet test fishery is operated near Marshall to determine feasibility of indexing the chinook salmon run. In addition, a drift gillnet test fish project is operated near the communities of Mountain Village and Kaltag to index fall chum and coho salmon runs. Contract fishers operate test fish wheels from July through early October to monitor chinook, summer chum, fall chum and coho salmon passage on the mainstem Yukon River near the communities of Tanana and Nenana.

Test fish data for the Yukon Area is available as historical information in AMR's and data notebooks (Appendix Table A2). Complete information is available on network files as spreadsheets in tables, figures, and formatted appendices. The test fish data is separated into summer and fall seasons. The summer season test fish includes Lower Yukon chinook and summer chum salmon caught in set gill nets from Big Eddy and Middle Mouth/North Mouth test fish projects from 1980 to 1999. The data listed includes date, daily CPUE, daily catch data, and cumulative CPUE. Season test fish reports also contain daily CPUE, catch numbers, and cumulative CPUE data. The fall season data provides historical daily catch and CPUE for fall chum and coho salmon from the Lower Yukon set gillnet test fishery from 1980 to 1999. These data are maintained in Anchorage and Fairbanks.

1.4.3c Norton Sound/Kotzebue and Port Clarence Areas

Fishery management decisions in Norton Sound have historically been based on commercial catch data and escapement indices provided by aerial surveys and counting towers. An exception is the Unalakleet District, which has had a test fishery on the Unalakleet River since the early eighties.

Currently, management decisions in the Kotzebue Area are based on inseason commercial catch data and escapement indices provided by a test fish project started in 1993 and located in the lower Kobuk River near Kiana. From 1975 through 1978, a test fish project on the Noatak River provided important information on chum salmon stocks. The project was discontinued after 1978, but was reinstated and operated from 1987 until 1991.

1.4.4 Escapement

Escapements of returning salmon are monitored through various methods including aerial surveys, weirs, counting towers, fish wheels, sonar, and test fisheries. Tables 1.1-1.3 list escapement projects, years of operation, and primary contact agency and person for salmon escapement projects in the AYK Region. Descriptions of escapement projects are included in Tables 1.7-1.9. The location of historic tower, weirs and sonar projects initiated prior to 1999 are shown in Figure 1.3. In the AYK Region, raw or detailed escapement data, such as hourly counts, are generally entered and stored in spreadsheets separated by each project and year. These files are created and maintained by project leaders. The raw data for large sonar projects such as Pilot Station are stored in database software such as Rbase or Access. Area managers may also maintain integrated spreadsheets of current daily counts and historical averages from numerous escapement projects to use for inseason management. The most complex of these is the Yukon Area 'spread web' which is an Excel workbook including numerous spreadsheets of historical averages and daily counts for key Yukon Area escapement projects. Graphs are created regularly during the fishing season to compare the current year with historical averages.

1.4.4a SASPOP/GIS Statewide Escapement Database

Spreadsheets of daily counts from escapement projects were standardized under a NOAA-funded GIS project, SASPOP, for data collected through 1998. In addition, these data were imported into database client-server software (Oracle) and are also available in Access. Table 1.5 describes the spreadsheets and fields used to populate the Oracle database. The project was terminated before all data were edited, reformatted and incorporated into the database. Therefore, not all escapement projects and data were included in SASPOP. A preliminary editing of most data was completed; however, a more thorough check is still needed. The SASPOP database does not have data entry, editing or reporting capabilities. Data collected after the termination of the project has not been included. SASPOP includes 34 relational tables and 150 columns. The database was initially developed for southeast Alaska; the fields and structure are most suited to the types of data collected in that region. Later, it was modified to incorporate escapement data for the entire state with the end result reflecting a preliminary compromise among the four regions. Some portions of the project were not completed because agreement was not reached on tasks such as creating a standard method of computing indices of escapement or a system of usage codes defining the appropriate use of the data. Many of the fields are not applicable to AYK and the database may be overly complicated for use in the AYK region. Since escapement projects in the database are geo-referenced, projects that have changed locations, such as moving to the opposite bank of the river, are treated as separate projects although managers treat these as the

same project. However, any new escapement database efforts should strive to incorporate as many of the standards and naming conventions developed during this project to maintain compatibility. Some data, such as Norton Sound/Kotzebue and Port Clarence Area aerial, foot and boat surveys, required extensive reformatting and was not included in the database. The Norton Sound/Kotzebue and Port Clarence Area aerial, foot and boat survey data are maintained in separate spreadsheets for each surveyed stream with a total of over one hundred separate spreadsheets. Both text and numbers were included in the spreadsheets, which complicated incorporation into the database. Also, early aerial survey and other data retrieved from a now obsolete Honeywell mainframe computer were not incorporated into the database.

The status of most escapement data and specific problems encountered during the SASPOP project were well documented. Specific problems are not included in this report but will be available in the final report for FIS-069.

1.4.4b Area Escapement/Aerial Survey Catalogs

Raw aerial survey data, information on the presence/absence of species and annual estimates and indices of abundance are included in each area's stream or escapement catalog. These data primarily consist of daily aerial survey observations; however, other survey types may be included: surveys from boats and foot surveys; annual counts from weirs, sonar, and tower counts; estimates from mark/recapture estimates; personal interviews and literature review. Incorporated data varies among areas. Only aerial, foot and boat surveys are included in the Kuskokwim Area, Norton Sound/Kotzebue Area and Port Clarence Area databases. Survey data and annual estimates of escapement from most projects are included in the Yukon Area database.

Aerial survey data in these databases conform to a standard regional format. Each survey includes information on latitude and longitude for the mouth of each surveyed stream; date (month, day and year); stream name and associated drainage; survey methods; and aerial survey conditions such as glare, air craft type, observer and agency. The observation section includes live and dead counts for all five species of salmon, number of chinook redds and number of unidentified salmon. The observation is identified by stream section. This same form is used in the Yukon Area for non-survey observations of salmon.

Although a standard form for the region is used to record observations, each area maintains these databases independently in different software packages. Escapement catalogs in both the Kuskokwim and Yukon Areas are maintained in Rbase relational database software. Although data entry screens and reports have been created in this software, data checking is limited or nonexistent. The Norton Sound/Kotzebue Area maintains separate spreadsheets for each stream surveyed. Escapement/aerial survey catalogs for each area included in the regional information report series. Portions of these data are included in the AMR for each area. The Yukon Area escapement catalog, for years 1953-1983, is documented in ADF&G Technical Data Report 121 under the title, *A Catalog of Yukon River Spawning Escapement Surveys* (Barton 1984).

Data for all three management areas was originally entered into a Honeywell mainframe computer. Later, this data was downloaded to diskette and stored in several fixed-length ASCII files. Data collected from 1953-1983, in the Kuskokwim and Yukon Areas, are still in this original format. Data collected from 1958 to 1983 in the Norton Sound/Kotzebue/Port Clarence Area were reentered into spreadsheets.

The data in the escapement catalogs are known to have some problems depending on the area, such as inconsistent labeling of stream sections from year to year and identifying nulls from zeros. In some years, counts may be listed separately for tributaries of a stream, whereas, in other years the counts have been combined. These problems will be more fully described and identified in the FIS-069 final report.

1.4.4c Yukon Area 'Spread Web'

The Yukon Area maintains a complex system of Excel spreadsheets with historical escapement and catch-effort data for both commercial and test fisheries. Each year, selected historical average catch statistics and key escapement and monitoring projects are transferred to multi-sheet workbooks, one for the summer season and another for the fall season. The reports printed from this workbook are titled 'Yukon Summer Season Data Notebook' and 'Yukon Fall Season Data Notebook'. During the fishing season, information is added daily to the workbook, which can be compared to historical averages. This data system is used on a daily basis inseason by management to monitor salmon runs.

1.4.5 Age, Sex and Length

Age, sex, and length data have been collected since 1961 in the Kuskokwim Area, 1960 in the Yukon Area, and 1962 in the Norton Sound/Kotzebue Area. During this project, salmon scales stored on gum cards and imprinted on acetates were organized by year, species and project in file cabinets located in the Anchorage and Nome scale archives. Next, an electronic inventory was created for these scales. An effort was made to find the corresponding electronic data for each species, project and year combination. Because of the volume of scales and data collected over the past 40 years, this task took a large amount of time. As files were found and added to the inventory, it took little additional effort to aggregate and transfer files to more modern media.

Many gaps exist in the ASL electronic data inventory for several reasons. In some cases, paper data have not been transferred over to electronic media, 5¼ floppy disks containing archived files are missing, and many disks are unreadable with current equipment.

Several 5¼ disks have been located that contain 1982-84 Kuskokwim raw and summary data that cannot be read by an IBM operating system. These files were sent to a local data recovery company equipped to read these disks. Similarly, hundreds of 5¼ disks of Norton Sound and Kotzebue salmon data were collected in the Nome office and delivered to the data recovery company to be read and transferred to CD.

Some physical data (i.e. vertebrae and otoliths) remain in the Fairbanks office. Their corresponding electronic files are not yet located and grouped with the others. ASL data files for chinook, chum, sockeye, coho and pink salmon sampled in the Kuskokwim Area are listed in Appendix Tables C1-C5. Yukon Area ASL files for chinook, chum, coho, sockeye and pink salmon are included in Appendix Tables C6-C10. Chinook, chum, sockeye, coho, and pink salmon ASL data files for the Norton Sound and Kotzebue districts are listed in Appendix Tables C11-C16.

To date, a significant number of electronic files for 1987 and 1986 Yukon chinook and Kuskokwim chinook and chum data have not been located. Numerous historical files of all species in the Kuskokwim Area created before 1985 are missing. Gaps in electronic files for the Yukon Area occur between 1972 and 1982 for chinook and between 1971 and 1986 for chum and coho salmon. Many historical files of all Norton Sound and Kotzebue Districts salmon species collected before 1988 are missing.

1.4.5a Raw Data

Multiple versions of FORTRAN programs were developed to read the ASCII data files and calculate the age and length composition summary tables. Six types of raw data file formats have been identified (Appendix Tables D6-11).

In 1985, a machine (OPSCAN) that scans and records data from ASL forms was introduced to improve data processing. Accuracy of the OPSCAN's reading depends on the information provided and how it was entered on the ASL forms; blank spaces and incorrect coding cause disruption of the OPSCAN's data reader. Species, project and gear types were often miscoded in the historical data files. Many mistakes were found in the district, sub-district, and location codes. Occasionally, the year had been incorrectly entered on the ASL form and misread by the OPSCAN. Also, many scale card numbers were wrong caused by faulty recording on the ASL form or incorrect reading by the OPSCAN.

Inconsistent file naming conventions caused problems locating and recognizing files. Almost all the files had to be opened to accurately identify their contents. Numerous, identical raw data and summary files were named differently, depending on the purpose of the file (e.g. age or length tables). Some file names were consistent but their extensions were changed (e.g. Bt94k40s.AWL, Bt94k40s.AS, Bt94k40s.L where AWL - raw data, AS – Age comp, L – Length by age). Occasionally, determining which files had been updated most recently was difficult because the file's date of last modification was dependent on an individual computer's internal clock.

Corrections were made in the Yukon chinook ASL files as they were saved to one location. Mistakes in other historical raw data and allocated summary tables need to be corrected.

1.4.5b Summary Tables

The FORTRAN ASL programs create ASCII files that can be read with any text editor program. Some files were left in this format while others were transferred over to a

spreadsheet program to make tables of report quality. Files were archived in one or the other or both formats. Some of the Yukon Area spreadsheet summary table files were linked to other workbooks. In this case, the actual allocated numbers are missing but the percentages are still readable. Two types of summary tables were created for the Yukon Area, age composition by fishing period and age composition by mesh size.

1.5 DISCUSSION

This project is the first attempt to develop a comprehensive inventory of historical projects and associated data in the AYK Region. In the past 40 years, the AYK Region has collected a large volume of data; however a system of processing and archiving data does not exist. A large number of projects are currently operating, with new projects added each year, each collecting additional data on salmon abundance, distribution, timing, biological attributes and stock composition. Generally, data processing needs such as programming and data archiving are not addressed in project operational plans. It is increasingly evident that data processing, for most projects, needs to be modernized and include data entry, error checking, reporting and querying capabilities.

The overall long-term goal of this project is to provide managers and researchers the means to query historic fisheries data. As other agencies and the public become involved in the management of these fisheries, the need to access this data has increased. In addition, data stored on obsolete media in various locations and staff transitions may be resulting in data loss. A higher priority should be placed on maintaining an archive for storage and retrieval of this important and expensive information. The development of a data management system including data entry, editing, reporting and archiving is a long-term project requiring dedicated staff and funding.

The greatest amount of effort was spent on organizing salmon ASL files because of both the large volume of scales and data collected over the past 40 years and the degree of disorganization. Other tasks were given high priority if staff had requests for specific data, other projects were occurring at the same time, or there was imminent danger of data loss. Subsistence Division requested historical annual Yukon Area household survey data. A significant amount of time was spent recovering this data from obsolete software and importing 14 years of data into Access. The fish ticket program is currently being rewritten and historical data imported into modern software. The opportunity existed to have a regional employee work with the programmer to correct historical fish ticket data for AYK.

Specific problems with data will be included in the final report for FIS-069. Note in some cases, codes for species, fishery, or projects that were developed and more rigorously enforced during the mainframe era, have been neglected with the use of personal computers. Currently, project leaders generally identify data by file name. As data is loaded into a regional database, codes will need to be checked. Other problems exist because there may not be a good system of error checking for data. These issues

will need to be addressed when combining historical data from several areas, through the years and from all the projects into a single database. A system needs to be developed for logging and archiving data at the end of the field season.

Because of the volume of data and the time required to edit, reformat and import individual files, decisions need to be made regarding what is most important to include in a fisheries management database. Two database management systems are already in use by state fisheries managers. These two represent two extremes in the type of data included. The Integrated Fisheries Database (IFDB) has been in use since 1988 in Region I. IFDB integrates all information related to Region I fisheries management into one database system. The initial database containing primarily escapement data was available to managers in 1989. Currently, IFDB includes fish ticket catch data with fishery openings, inseason catch estimates, escapement, pink sex ratios, troll and seine fishery CPUE, port sampling and logbook, ASL data and text documents related to fisheries management. IFDB can import data from other systems such as fish tickets, ASL data, coast-wide coded-wire-tag mark/recovery data, and CFEC vessel and permit data. A modern interface, Alexander (Alex) was added in 1997. Alex provides graphic capabilities and allows for requested data to be exported to spreadsheet (e.g. Excel), statistical (e.g. SAS) and geo-referencing software (e.g. ArcView). The development and maintenance of this system has required a full-time staff of four to five programmers as well as data quality control staff. US/Canada treaty funds provided the funding for this project.

Mariner is an inseason salmon management system used in the Bristol Bay and Cook Inlet salmon fisheries and primarily contains daily catch and escapement data for the current year. In addition to the management tool used by department staff, it is accessible to the public via the Internet. Historical data and additional data tools will gradually be added.

The tasks listed in Table 1.10 will be completed as possible. Both the project investigator and a fisheries technician will continue working on aggregating, correcting and reformatting data. As historical data files are collected, they will be organized and transferred to modern media. Intermediate systems to facilitate data entry, correction and reporting will be ongoing. This continuing work will be funded by FIS-069 and will be included in the final report for that project.

1.6 RECOMMENDATIONS

1. Continue work described in Table 1.10 and funded under FIS-069.
2. Develop a system of archiving project and ASL data and scales in a central location.
3. Update the database developed through the statewide GIS escapement project.
4. Modernize and standardize data collection, error checking and reporting programs to minimize errors.

5. Enforce use of standard codes and format. This can be done through programming so to minimize impact on biologists.
6. Include data processing methods in Operational Plans.
7. Add data processing and technical support costs in submitted proposals.
8. Write proposals specifically to address database and programming development.
9. Involve other regions of the state in database development to minimize redundancy and maximize efficiency.

Shared Information for Fishery Management in AYK

PART II

Survey of Fishery Researchers and Managers

2.1 INTRODUCTION

A comprehensive data management system for the storage, retrieval and analysis of data necessary for the management of fisheries in the Arctic-Yukon-Kotzebue Region (AYK) does not currently exist. Currently, various types of related data are stored in diverse formats and locations, making even simple questions requiring integration of multiple data sources difficult to address. In addition, the existing method of recording data on paper and spreadsheets make it difficult to share information with other agencies and groups. Fishery management decisions often depend upon timely interpretation and comparisons of current year to historic data. In order to improve the existing system, historic data should be accessible in a flexible and easy-to-use database. Fishery biologists and technicians require an efficient means of collecting and processing the large quantity of new data that are collected annually. The ultimate goal of this project is to develop a comprehensive and flexible data management system for the querying and retrieval of salmon fishery and stock assessment data as well as the entry of new data.

A database of this complexity requires planning. Therefore a survey of fishery managers and researchers was developed: this survey is one of the first steps in developing a comprehensive database for use by those involved in managing salmon fisheries in the AYK Region. Surveying potential users along with conducting an inventory of existing information are traditional steps in database development. When designing a database, it is important to have clearly defined and realistic goals. The purpose of this survey was to determine what information is most important to those involved in fisheries research and management and to identify what information is lacking in current systems. The development of this database will likely take place in stages or modules beginning with the most important data. The results of this survey will be used to prioritize and determine what data should be included the database.

This project (FIS 00-016) as well as FIS 02-069 were both funded by the Federal Office of Subsistence Management (FOSM). Both these projects included compiling a regional inventory of salmon data, as well as aggregating, correcting and standardizing data. However project FIS 00-016 also included a needs assessment survey of potential users of a fisheries database. That survey is the subject of this report.

2.2 OBJECTIVES

The ultimate goal to develop an electronic information storage and retrieval system that is comprehensive in scope and flexible in use and to have that system available to all parties involved in fishery management. This objective will be achieved through multiple projects and phases.

This report addresses the second primary objective of FIS 00-016:

> Survey state and federal fishery managers and researchers, as well as public entities involved with fishery management, to determine the information needed to make informed fishery management decisions. Responses, particularly major themes, will be documented in a report.

2.3 METHODS

The survey (Attachment A) was mailed to 25 state and federal AYK Region salmon management and research staff. Twelve Yukon Area, five Kuskokwim Area, three Norton Sound Area and four regional employees were surveyed. All but one of the nine federal employees surveyed were employed as fishery managers. The Federal Office of Subsistence Management (FOSM) division of the US Fish and Wildlife Service employs the majority of federal employees surveyed; however one is an employee of the National Park Service. Although FOSM has been in existence less than three years, several federal staff members are retired Alaska Department of Fish and Game (ADF&G) fisheries managers with extensive experience in the AYK Region. Four federal employees had recently retired from the ADF&G after 20 years of employment with the department. AYK Region management experience ranged from one to over 20 years for federal staff. Of the 15 ADF&G employees surveyed, eight were mangers, three were upper level research biologists, two were regional supervisors and two were catch monitors. One of ADF&G managers surveyed had recently taken a job in another region but was included in the survey because of his extensive experience in managing AYK fisheries. Two of the three ADF&G research biologists were previously employed as fishery managers and all three have input in fishery management decisions. The two catch monitors surveyed had nearly 15 years of experience in their respective areas; they were also involved in the development and annual updating of the Yukon historic data notebooks and electronic spreadsheets ("spreadweb"). These notebooks and spreadsheets contain historic catch by fishing period, escapements for key projects, as well as testfish and sonar run timing information. Management experience of ADF&G employees ranged from one year to over 20 years.

Fishery managers depend on various datasets throughout the year. Data used for estimating preseason run abundance may be different than datasets used to assess inseason run abundance and timing. Postseason datasets used to provide a final assessment of the run may also be different than those used for inseason or preseason purposes. Fishery managers and researchers may prioritize datasets in different ways depending on their own needs throughout the season. In addition, managers may require other information during various scenarios, such as a commercial fishery closure when managers may depend on inseason subsistence catches for assessing timing and abundance rather than the commercial harvest. The survey was divided into several categories as alternate sets of information may be required during each scenarios

(commercial fishing or no commercial fishing) and/or the preseason, inseason, or postseason decision-making process.

State and federal staff were asked what information was most important to them in making management decisions and what critical information was unavailable because it was either disorganized or not available in time to be of use during inseason management. Those staff with experience either in producing or using the Yukon Area historic data notebooks and spreadsheets were asked to list the strengths and weakness of these tools, and what could be done to improve either the information they contain or the efficiency of their annual production.

The survey was intentionally informal so that people could comment without constraints. An example list of datasets was provided to help the respondents in thinking of the types of information used in making fisheries management decisions. However respondents were not required to pick from the provided list. Respondents were asked to be specific in their answers and specify the summary level, ranges of years and projects most critical for decision making. Some examples of summary level are: by day, year, household, district, village, or gear. Surveyed individuals were asked to list at least three datasets for each category within each scenario.

2.4 RESULTS

Initially an attempt was made initially to code survey responses into broad categories of age composition, escapement, stock identification, subsistence and commercial harvests, and physical (climatic or environmental) datasets. Because of the wide range of terms used and the complexity of some of the responses, this was a difficult task. In many cases several datasets were combined on one line or broad answers were given such as total run whereas others would list a very specific dataset would be listed. Two surveys were filled in by groups of people: one group was made up of two experienced managers; another was a group of four with only one experienced manager.

2.4.1 Datasets for Preseason Decisions

Nearly every surveyed individual listed historic catch, escapement and age composition as the most important information for preseason estimates of run abundance and health (Table 1). Estimates of stock strength and climatic conditions were also mentioned. Surveyed staff used various terms to describe related but slightly different aspects of datasets, for example (number of responses for each dataset is included in parentheses), brood year information (8), parent-year age composition (3), age-sex-length data (4), sibling relationship (1), and spawner-recruit relationships (1), all include aspects of age composition. In some responses, age composition and run strength were listed and in another response, brood year strength. Some answers were vague such as 'total run information for previous years' and others were very specific. All but one of the 24 respondents included some aspect of age composition as critical for preseason run assessment.

Different terms were used to describe abundance. Responses included escapement (10), run (6), passage (1) and sonar (1). Historic commercial harvests were mentioned seven times and subsistence three. Responses included several physical datasets such as river breakup conditions (2), ocean conditions (1), other environmental conditions such as water and snow levels and water and air temperatures (2). Three people mentioned historic stock (scale pattern analysis or genetic stock identification) information and one cited past management actions as important datasets for preseason decisions.

2.4.2 Datasets for making decisions during the fishing season

Many of the datasets listed for making inseason decisions during a fishing season without a commercial fishery (Table 2) or with a commercial fishery (Table 3) were the same for either scenario. The main exception was that information on commercial harvest, effort and age composition is needed during a season with a commercial fishery. Information on subsistence harvests was requested for both scenarios. Historic (generally a ten year average) and current year test fishery data and inseason run assessment projects were included in most responses. Most respondents also requested age composition and sex ratios. Many individuals did not mention the commercial fishery (federal fishery management does not address commercial fishing); however inseason assessment of the subsistence fishery (both qualitative and quantitative) was included in most responses. Nearly all datasets were requested on a daily basis. An exception was subsistence harvests that are needed on a weekly or 'frequent' basis. One person wanted historic subsistence data by household by day. Commercial catch information was requested by fishing period.

As in the preseason responses, many of the inseason responses were broad with only a few individuals requesting data from specific projects within their area. A ten year average was requested most frequently as the number of years to be included in an average to be compared with current year values. However, five, seven and 20-year averages were also listed.

Data for the Bethel Test Fish Project was listed by most Kuskokwim Area staff. Kuskokwim Area staff tended to list environmental data such as river breakup, water flow and water level conditions more than staff in other areas. Kuskokwim Area projects that were specifically mentioned included Goodnews and Kanektok Rivers.

Information from the Lower Yukon Test Fishery and Pilot Station Sonar Project were listed as highest priority both Yukon Area managers and regional staff with extensive Yukon Area experience. Other test fish projects specifically named by Yukon staff included the Mountain Village and Kaltag test fisheries. Other passage assessment projects explicitly requested included the sonar at Sheenjek and Chandalar Rivers, tagging projects at Rampart and Us/Canada Border, Tanana mark/recapture, the Nenana fish wheel, and Fishing Branch River weir.

Datasets listed by Norton Sound staff were river break-up history, present-year escapement and age composition as well as the previous years age composition

2.4.3 Datasets for postseason assessment

Nearly every surveyed individual listed season summary reports, of the previously mentioned datasets (test fish, commercial, subsistence, ASL and escapements) as necessary for postseason assessments. In addition, Yukon Area staff included Canadian border passage estimates. Run reconstruction, run timing and escapement estimates compared to biological escapement goals (BEGs) were mentioned by a few people. Stock identification and stock interception information was also cited as important by a couple of respondents. Specific project information requested by Kuskokwim and Yukon staff was generally the same as for inseason assessment. Estimates of escapements to the Delta and Toklat Rivers were additional datasets requested by the Yukon Area staff. Some staff mentioned physical data such as Kuskokwim water flow, air temperature, sea surface temperatures, and wind. Norton Sound staff differed from the other areas as aerial survey data were included as important information and no specific projects were named. Commercial catch per unit of effort (CPUE) was also included in the Norton Sound priority list along with total commercial and subsistence catches.

2.4.4 Datasets that exist but are not available

Surveyed staff were asked to list datasets that exist but are not organized, not available electronically, not available in time to be of use, or not easily accessible. They were also asked to describe why the data wasn't available and to include datasets that would be particularly difficult for existing staff to compile and put into a usable database. The responses for this section had the greatest variety (Table 5). One response stated that data on individual computers, such as a project leader or manager's computers is not available to others until the AMR or project report is published. Brood year tables, sex composition by year for harvest and escapement and run reconstruction were listed as data not available but needed by several people. Many respondents listed ASL and subsistence harvest information as data that are not available early enough. Datasets from Norton Sound Area sport fish projects, Yukon fall chum and coho salmon, Kuskokwim subsistence harvests and inseason from testfish and sonar projects were ASL datasets specifically mentioned as not available. Data that are not available electronically or are not organized for use included climatic or environmental data such as hydrologic, sea surface temperatures (SST), snow pack, breakup dates, ice cover, and stream temperatures at project sites or USGS sites and historic weather data.

2.4.5 Yukon Area data notebooks and "spreadweb"

Since Yukon Area management staff designed the data notebooks used by Yukon Area fishery managers, the notebooks are likely to include most of the information that managers need. The notebooks contain electronic worksheets that provide historic escapement and harvests by fishing period as well as testfish and sonar run timing

information. Surveyed individuals who were familiar with the data notebooks were asked to answer questions about its strengths and weaknesses. Everyone who participated in this part of the survey stated that the notebook met most of his or her needs and they used most of the information contained in the notebooks. Many respondents commented that it a compilation of needed information contained in one book that can be carried to the field, meetings, etc. However a common complaint was that is getting too bulky. Several respondents said that they would prefer that it be available electronically. Since it is not in a database format, it can't be queried, easily searched or updated. Another comment is that the Excel files are getting too large and are therefore difficult to format and manipulate. The notebooks take months to produce each year and are not available until late in the spring. Mistakes cannot be easily corrected during the fishing season. Brood year tables for stocks and other age composition data need to be added. Several people mentioned climatic and environmental data should be added. One manager would like comparisons of lower river to upper river projects. Stock identification and mark-recapture data were also mentioned. A complaint from federal fishery managers is that the federal staff has limited access to the notebooks.

2.5 DISCUSSION

Although this was an informal survey and not designed for easily quantifiable responses, it was obvious that managers and researchers would like an integrated relational historic database that could be easily queried, updated, customized and available for use with less effort than is now required. The database should include historic age, sex and size composition, key escapement and run assessment projects as well as commercial and subsistence catch and effort data.

Many of the responses described data that are available in the Yukon Area data notebooks. The primary suggestion to improve the data notebooks was that it be converted to an easy to use relational database. In the present notebook format, data from various projects, such as inseason abundance indicators and concurrent catch and escapement information, cannot easily be compared to one another.. In addition, the amount of time to create the data notebooks each year has increased with the large number of new projects that have been added recently.

One of the most common datasets listed by respondents as not available or easily assessable was historic age, sex and size composition and related data such as brood year tables and sibling returns. The other most frequently listed data type that is not available in a usable form but needed by managers and researchers was climatic or environmental data. These data should be compiled and made available.

It is obvious from the survey results that a more sophisticated means of assimilating and processing the large quantity of historic data and information from current projects is greatly needed. Time is currently wasted by manually creating trend summaries such as

average timing curves and other historic averages that could be created automatically in an integrated relational database. Managers and researchers need a database management system where these averages and other data summaries can easily be viewed using criteria specified by the user. These improvements would be of great aid in making management decisions in the AYK salmon fisheries.

2.6 RECOMMENDATIONS

1. Convert the Yukon Area notebooks/"spreadweb" into a database with data entry, editing, queries and reporting capabilities.

2. Develop similar systems for the Kuskokwim and Norton Sound Areas. The datasets already included in the Yukon Area notebook, such as catch, effort, escapements, sonar and test fishing run timing, need to be compiled for these other areas.

3. Compile historic age composition (including brood year and sibling return tables) and climatic/environmental data for inclusion into databases.

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Table 1.1. Historical and current salmon projects in the Kuskokwim Area ('*' = current project).

Project Name (current or last used)	Years of Operation	Main Agency[2]	Contact Person
Harvests			
Commercial Fisheries			
* Age-Sex-Length Sampling	61-current	ADFG/CF	Doug Molyneaux
* Catch and Effort Assessment	60-current	ADFG/CF	Tim Ward
Subsistence Fisheries			
* Catch and Effort Assessment	60-current	ADFG/S	Mike Coffing
Sport Fisheries			
* Catch and Effort Assessment	current	ADFG/SF	Robert Lafferty
Escapement[1]			
* Aerial Surveys	76-current	ADFG/CF	Tim Ward
* Aniak River Sonar	80-current	ADFG/CF	Carl Pfisterer
* George River Weir	96-current	KNA,ADFG/CF	Doug Molyneaux
Kanektok River Sonar	82-87	ADFG/CF	Jeff Estensen
Kanektok River Tower	60-62,96-99	ADFG/CF	Jeff Estensen
* Kanektok River Weir	99-current	NVK,ADFG/CF	Jeff Estensen
* Kogrukluk River (Ignatti or Holitna) Weir	76-current	ADFG/CF	Tim Ward
Kogrukluk River Tower	69-70,72-78	ADFG/CF	Tim Ward
Kuskokwim River Sonar	93-95	ADFG/CF	Carl Pfisterer
- Kwethluk River Sonar	78-79		
Kwethluk River Tower	96-99	AVCP	Tim Ward
* Kwethluk River Weir	79, 92, 2000-current	USFWS	Ken Harper
Middle Fork Goodnews River Tower	81-90	ADFG/CF	Jeff Estensen
* Middle Fork Goodnews River Weir	91- current	ADFG/CF	Jeff Estensen
Salmon River Weir	81-82	ADFG/CF	Doug Bue
Takotna River Tower	95-99	TCS	Doug Molyneaux
* Takotna River Weir	2000-current	TCS	Doug Molyneaux
* Tatlawiksuk River Weir	98-current	KNA	Doug Molyneaux
Tuluksak River Weir	91-94	USFWS	Ken Harper
Test Fishing			
Aniak	92-95	ADFG/CF	Doug Molyneaux
* Bethel Drift Gillnet	83-current	ADFG/CF	Doug Molyneaux
Chubathaluk	92-93	ADFG/CF	Doug Molyneaux
Eek	88-94	ADFG/CF	Doug Molyneaux
Kuskokwim River Subsistence	88-90	KFC	Mike Coffing
Kwegooyuk Set Gillnet	66-83	ADFG/CF	Doug Molyneaux
Lower Kuskokwim River	95	AVCP	Doug Molyneaux
Tulusak Fish Wheel(s)	61-62	ADFG/CF	

(continued)

Table 1.1 (page 2 of 2).

Project Name (current or last used)	Years of Operation	Main Agency[2]	Contact Person
Population Estimates			
Tagging			
* Kuskokwim River Coho Mark-Recapture	2001-current	ADFG/CF	Carol Kerkvliet
Kuskokwim River Set Gillnet	66	ADFG/CF	Carol Kerkvliet
Quinhagak Drift Gillnet	69-70	ADFG/CF	Carol Kerkvliet
Tagging (salmon subsequently caught in Kuskokwim)			
Area M	1960, 1987	ADFG/CF	Doug Eggers
Hooper Bay Mark-Recapture	1985	BSFA	Carol Kerkvliet
Stock Identification			
Genetic (GSI)			
See Table 10 for GSI studies		ADFG/CF	Lisa Seeb
Radio Telemetry			
Coho Salmon Radio Telemetry	2001-current	ADFG/CF	Carol Kerkvliet
Kuskokwim R Chum Salmon Radio Telemetry	95	BSFA/ADFG/CF	Carol Kerkvliet

[1]Most escapement projects have associated ASL sampling.

[2] Agency abbreviations:

ADFG/CF=	Commercial Fisheries Division	USFWS =	U.S. Fish and Wildlife Service
ADFG/SF =	Sport Fish Division	BSFA =	Bering Sea Fishermen's Association
ADFG/S =	Subsistence Division	KNA =	Kuskokwim Native Association
TCS =	Takotna Charter School	AVCP =	Association of Village Council Presidents
KFC=	Kuskokwim Fish Coop		

Table 1.2. Historical and current salmon projects in the Yukon Area ('*' = current project).

Project Name (current or last used)	Years of Operation	Main Agency[3]	Contact Person
Harvests			
Commercial Fisheries			
* Age-Sex-Size Sampling	61-current	ADFG/CF	Holly Moore
* Catch and Effort Assessment	60-current	ADFG/CF	Tom Vania
Subsistence Fisheries			
Catch and Effort Assessment			
* Hooper Bay Study	2000-current	HBTC, ADFG/CF	Tracy Lingnau
* Subsistence & Personal Use Permits		ADFG/CF	Audra Brase
* Surveys	60-current	ADFG/CF	Audra Brase
Sportfish Harvests			
Catch and Effort Assessment			
* Lower Yukon	current	ADFG/SF	Robert Lafferty
* Upper Yukon	current	ADFG/SF	John Burr
* Tanana River	current	ADFG/SF	Mike Doxi
Escapement [1,2]			
Lower River			
Andreafsky River Sonar (f)	81-85	ADFG/CF	Tracy Lingnau
Andreafsky River Tower (s)	86-88	ADFG/CF	Tracy Lingnau
* Andreafsky River Weir, East Fork (s,f)	94-current	USFWS	Ken Harper
Anvik River Tower (s)	72-78	ADFG/CF	Tracy Lingnau
* Anvik River Sonar (s)	79-current	ADFG/CF	Tracy Lingnau
* Yukon R (Pilot Station) Sonar (s,f)	86-current	ADFG/CF	Carl Pfisterer
Middle River			
Barton Creek Weir (f)	94-96	ADFG/CF	Bonnie Borba
* Bluff Cabin Slough Escapement Surveys (f)	80-current	ADFG	Bonnie Borba
* Chatanika River Tower (s)	98-current	ADFG/SF	Lisa Stuby
* Chena River Tower (s)	93-current	ADFG/CF	Tracy Lingnau
* Clear Creek Tower (s)	95-current	TCC	Carl Kretsinger
Clear Creek Weir (s)		BLM	
* Delta Clearwater Boat/Aerial Survey	72-current	ADFG/SF	Lisa Stuby
* Gisasa River Weir (s)	94-current	USFWS	Dave Wiswar
* Henshaw Creek (Koyukuk R) Weir	99-current	USFWS/TCC	Gareth VanHatten
* Kaltag River Tower (s)	91-current	UAF	Jackie Semaken
Koyukuk River Sonar, South Fork (f)	90	USFWS	Gareth VanHatten
Koyukuk River Weir, South Fork (f)	96-98	USFWS	Dave Wiswar
Melozitna River Sonar (s)	81-83	ADFG/CF	Bonnie Borba

(continued)

Table 1.2 (page 2 of 4).

Project Name (current or last used)	Years of Operation	Main Agency[3]	Contact Person
* Nenana Aerial/Ground Surveys (f)	74-intermittent	ADFG/CF	Bonnie Borba, C. Stark
* Nulato River Tower (s)	94-current	NTC, ADFG/CF	Peter Demoski,Lingnau
* Salcha River Tower (s)	93-current	ADFG/CF, SF	Tracy Lingnau
Tanana River Sonar (f)	1981	ADFG/CF	Bonnie Borba
* Tozitna River Tower	2001-current	BLM	Bob Karlen
Upper River			
Beaver Creek Weir (s)	96-2000	BLM	Carl Kretsinger
* Chandalar River Sonar (f)	86-90,95-current	USFWS	Mitch Osborne
* Delta River Escapement Survey (f)	71-current	ADFG/CF	Bonnie Borba
* Sheenjek River Sonar (f)	81-current	ADFG/CF	Roger Dunbar
* Toklat River Escapement Survey (f)	74-current	ADFG/CF	Bonnie Borba
Toklat River Sonar (f)	94-96, (2001Bendix feasibility study)	ADFG/CF	Bonnie Borba
Yukon Border Sonar, Eagle (f)	92-94	ADFG/CF	Carl Pfisterer
Canadian Portion			
Blind Creek Weir	97-2000	RRDC	
* Chandindu River Weir	99-current	YCFA, THFN	
* Fishing Branch River Weir (f)	72-75, 85-89,90-current	DFO	Sandy Johnson
Tatchun Creek Weir	97-2000	DFO(?)	
Whitehorse Dam Fishway Tower	59-current	DFO	Sandy Johnson
Entire River			
* Aerial Surveys (s,f)	60-current	ADFG/CF,DFO	Borba, Johnson
Test Fisheries			
* Big Eddie Drift Gillnet (s,f)	87-89,99-current	ADFG/CF	Tom Vania
* Big Eddie Set Gillnet (s,f)	77-current	ADFG/CF	Tom Vania
Fish Village Drift Gillnet (s)	82-83	ADFG/CF	Tom Vania
Flat Island Set Gillnet (s,f)	63-78	ADFG/CF	Tom Vania
Fort Yukon Fish Wheels (f)	95-96	CATG,ADFG/CF	Bonnie Borba
Galena Fish Wheel (f)	1995	ADFG/CF	Bonnie Borba
Kaltag (Stink Creek) Fish Wheel (f)	80-83	ADFG/CF	Bonnie Borba
* Kaltag Drift Gillnet(f)	99-current	City of Kaltag	Richard Burnham
* Lower YR Mid. Mouth Drift Gillnet (s,f)	2001-current	ADFG/CF	Tom Vania
* Lower YR Mid. Mouth Set Gillnet (s,f)	79-current	ADFG/CF	Tom Vania
Manley Fish Wheel (f)	84-85,88-93	ADFG/CF	Bonnie Borba
Marshall Drift Gillnet	99, 2000	ADFG/CF	Tom Vania
* Mt Village Drift Gillnet(f)	95-current	ATC	Cathy Harpuk
Ruby Fish Wheel (f)	80-91	ADFG/CF	Bonnie Borba
* Tanana River Fish Wheel	92-current	ADFG/CF	Bonnie Borba
* Upper Tanana (Nenana) Fish Wheel (s,f)	88-current	ADFG/CF	Fred Bue

(continued)

Table 1.2. (page 3 of 4).

Project Name (current or last used)	Years of Operation	Main Agency[3]	Contact Person
Population Estimates			
Tagging			
Yukon River Mark-Recapture (s)	61-71	ADFG/CF	Tom Vania
Rampart Tagging Project	72-73	ADFG/CF	Bonnie Borba
Yukon & Tanana R Fall Chum	76-80	ADFG/CF	
Delta River Mark-Recapture (f)	73-74	ADFG/CF	Bonnie Borba
Galena/Ruby and Lower Tanana River Mark-Recapture (f)	76-80	ADFG/CF	Bonnie Borba
* Kantishna Mark-Recapture Recovery Whl(f)	00-current	USFWS,ADFG	Bonnie Borba
* Toklat R Mark-Recapture (CWT) (f)	96-current	ADFG/CF	Bonnie Borba
* Upper Tanana R Mark-Recapture (f)	95-current	ADFG/CF	Bonnie Borba
* Upper Yukon Rampart/Rapids M-R (f)	96-current	USFWS	Tevis Underwood
Yukon & Tanana R Fall Chum S. M-R	76-80	ADFG/CF	Bonnie Borba
* Yukon R White/Sheep Rock Fish Wheels (f)		DFO	Pat Milligan
Tagging (salmon subsequently caught in Yukon)			
Area M (chum)	60, 87	ADFG/CF	Doug Eggers
Hooper Bay Mark-Recapture	85	BSFA	Carol Kerkvliet
Stock Identification			
Genetic (GSI)			
Historic genetic studies listed in Table 10		ADFG/CF	Lisa Seeb
Scale Patterns Analysis (SPA)			
* Yukon Chinook Salmon	80-current	ADFG/CF	Holly Moore
Yukon Chum Salmon	74-77,82,86	ADFG/CF	Holly Moore
Radio Telemetry			
* Canadian Mainstream Yukon R Mark-Recapture	82-83, 85-current	DFO	Pat Milligan
Porcupine R Chum S Radio Telemetry	1998	NMFS	John Eiler
Tanana R Chum S Radio Telemetry (f)	1989	ADFG/CF	Bonnie Borba
Toklat River Radio Telemetry (f)	1997	ADFG/CF	Bonnie Borba
Upper Tanana River Radio Telemetry (f)	1992	ADFG/CF	Bonnie Borba
Upper Yukon Chum S Radio Tagging (f)	82-83	NMFS	John Eiler
* Yukon R Chinook S Radio Telemetry (s,f)	2000-current	ADFG/CF	Ted Spencer
Yukon River Fall Chum Salmon Radio Telemetry Feasibility Study	98-99	NOAA, USFWS	
Enhancement			
Clear Hatchery producing Toklat Stocks CWT	92-95	ADFG/CF	Bonnie Borba
Toklat R Fall Chum Restoration Feasibility	92-99	ADFG/CF	Bill Houser

(continued)

Table 1.2. (page 4 of 4).

Project Name (current or last used)	Years of Operation	Main Agency[3]	Contact Person
Biological/Special Studies			
* Yukon R Chum Salmon Ecology	96- current	USGS/BRD	Jim Finn
* *Ichthyophonus hoferi* Study	99-current	BSFA,UW	Richard Kocan

[1] Most escapement projects have associated ASL sampling.

[2] s = Summer Season, f = Fall Season

[3] Agency abbreviations:

ADFG/CF=	Commercial Fisheries	DFO =	Dept of Fisheries and Oceans
ADFG/SF =	Sport Fish Division	BSFA =	Bering Sea Fishermen's Association.
ADFG/S =	Subsistence Division	TCC=	Tanana Chiefs Conference
BLM=	Bureau of Land Management	NTC=	Nutalato Tribal Council
BRD=	Biological Research Division	CATG=	Council of Athebascan Tribal Government
ATC=	Algaaciq Tribal Council	USFWS =	U.S. Fish and Wildlife Service
USGS=	U.S. Geological Service	YRDFA=	Yukon R Delta Fishermen's Association
HBTC=	Hooper Bay Tribal Council	UW=	University of Washington
NOAA=	National Oceanic and Atmospheric Administration	NMFS=	National Marine Fisheries Society

Table 1.3. Historical and current salmon projects in the Norton Sound/Kotzebue Area ('*' = current project).

Project Name (current or last used)	Years of Operation	Main Agency[2]	Contact Person
Harvests			
Commercial Fisheries			
Catch and Effort Assessment			
* Kotzebue	61-current	ADFG/CF	Jim Menard
* Norton Sound	61-current	ADFG/CF	Jim Menard
Age-Sex-Size Sampling			
* Golovin District	63,85-86	ADFG/CF	Wes Jones
* Kotzebue District	61-current	ADFG/CF	Jim Menard
* Moses Point District	62-63,67-69,75,77-78,82-83,85-91	ADFG/CF	Wes Jones
* Nome District	78,80	ADFG/CF	Wes Jones
* Shaktoolik District	86,89-91,94,96,98	ADFG/CF	Wes Jones
* Unalakleet District	62-63,67-current	ADFG/CF	Wes Jones
Subsistence Fisheries			
* Catch and Effort Assessment	63-82,94-current	ADFG/S	Jim Magdanz, Susan Georgette
Sport Fisheries			
Catch and Effort Assessment	current	ADFG/SF	Fred DeCicco
Escapement[1]			
Chirosky River Tower	75-76	ADFG/CF	Jim Menard
* Eldorado River Tower	95-current	KC, ADFG/CF	Gary Todd
* Glacial Lake Weir	79, 2001-current	BLM	Dave Parker
Kachauvik River Tower	77-78	ADFG/CF	Jim Menard
* Kwiniuk River Tower	65-current	ADFG/CF	Wes Jones
* Niukluk River Tower	79,95-current	ADFG/CF	Wes Jones
Noatak Sonar	81-83,91-94	ADFG/CF	Carl Pfisterer
Nome River Tower	93-95	ADFG/CF	Wes Jones
* Nome River Weir	96-current	ADFG/CF	Gary Todd
* North River Tower	72-74,84-86,96-current	Unalakleet IRA, ADFG/CF	Gary Todd
Nunakogak Tower	92	ADFG/CF	Jim Menard
Pikmiktalik Tower	92	ADFG/CF	Jim Menard
* Pilgrim River Tower	97-98, 2000, current	KC, ADFG/CF	Gary Todd
Pilgrim River Weir	95-96	ADFG/CF	Gary Todd
Shaktoolik River Tower	96-98	BLM, ADFG/CF	Jim Menard
* Snake River Tower	95-current	KC, ADFG/CF	Gary Todd
Squirrel River Tower	82, 84	ADFG/CF	Jim Menard
Tubutulik River Tower	80	ADFG/CF	Jim Menard
Unalakleet Sonar	83-85	ADFG/CF	Carl Pfisterer

(continued)

Table 1.3 (page 2 of 3).

Project Name (current or last used)	Years of Operation	Main Agency[2]	Contact Person
Test Fishing			
* Kobuk River Drift Gillnet	93-current	ADFG/CF	Jim Menard
* Noatak River Set Gillnet	75-83, 87-current	ADFG/CF	Jim Menard
* Unalakleet River Set Gillnet	81-current	ADFG/CF	Wes Jones
Population Estimates			
Tagging			
Kotzebue Chum Salmon Tagging	66-68,81,82	ADFG/CF	Jim Menard
Nome/Unalakleet Subdistrict Chum Salmon Mark-Recapture	78-79	ADFG/CF	Jim Menard
Shaktoolik King and Chum	79	ADFG/CF	Jim Menard
Unalakleet and North Rivers Radio Telemetry Mark-Recapture	97-98	ADFG/SF	Fred DeCicco
Unalakleet River King & Chum Salmon Mark-Recapture	72-75,78-79,98-99	ADFG/CF	Jim Menard
Tagging (salmon subsequently caught in Norton Sound)			
Area M	1960, 1987	ADFG/CF	Doug Eggers
Hooper Bay	1985	BSFA	Carol Kerkvliet
Smolt Enumeration			
* Smolt Enumeration-Pilgrim River	96-current	ADFG/CF	Tom Kohler
Stock Identification			
Genetic (GSI)			
Kotzebue Sound chum salmon (allozymes)	83-86	ADFG/CF	Lisa Seeb
Historic genetic studies listed in Table 10			
Scale Patterns Analysis (SPA)			
Norton Sound Chum	78	ADFG/CF	Jim Menard
Enhancement			
Incubation Boxes			
* Anvil Creek Ponds Snake River	98-99	ADFG/CF	Tom Kohler
Boulder Creek Snake River	91-98	ADFG/CF	Tom Kohler
* Coral Creek	98	ADFG/CF	Tom Kohler
* Hobson Creek Nome River	91-98, 2000,current	ADFG/CF	Tom Kohler
Kwiniuk River	98-2000	ADFG/CF	Tom Kohler
Salmon Lake	97-2000	ADFG/CF	Tom Kohler
Shovel Creek Solomon River	95-98	ADFG/CF	Tom Kohler
Sinuk River	98	ADFG/CF	Tom Kohler
Lake Fertilization			
Salmon Lake	97-2001	ADFG/CF	Gary Todd

(continued)

Table 1.3. (page 3 of 3).

[1] Most escapement projects collect ASL samples.

[2] Agency abbreviations:

ADFG/CF=	Commercial Fisheries Division	USFWS =	U.S. Fish and Wildlife Service
ADFG/SF =	Sport Fish Division	BSFA =	Bering Sea Fishermen's Association
ADFG/S =	Subsistence Division	BLM=	Bureau of Land Management
IRA =	Indian Reorganization Act	KC =	Kawerak Corporation

Table 1.4. Number of age-sex-length files in the Arctic-Yukon-Kuskokwim Region by species, area, and year.

Area	*Species*	*Years*	*Approximate Total Number of Files*[a]	*Number of Located Electronic Files*	*Number of "Missing" Electronic Files*	*% Files Found*
Kuskokwim	Chinook	1964-1999	261	120	141	46.0%
	Chum	1964-1999	230	118	112	51.3%
	Coho	1961-1999	145	71	74	49.0%
	Sockeye	1964-1999	181	84	97	46.4%
	Pink	1968-1994	11	2	9	18.2%
		Total Files	***828***	***395***	***433***	47.7%
Yukon	Chinook	1960-2001	894	555	339	62.1%
	Chum	1961-2001	892	539	353	60.4%
	Coho	1964-2001	158	97	61	61.4%
	Sockeye	1979-1998	7	1	6	14.3%
	Pink	1970	1	0	1	0.0%
		Total Files	***1,952***	***1,192***	***760***	61.1%
Norton Sound	Chum	1962-2000	162	60	102	37.0%
Kotzebue	Chum	1962-2000	346	240	106	69.4%
Norton Sound/ Kotzebue	Chinook	1966-2000	97	40	57	41.2%
	Coho	1963-2000	56	31	25	55.4%
	Sockeye	1963-1999	12	3	9	25.0%
	Pink	1965-1979	11	0	11	0.0%
		Total Files	***684***	***374***	***310***	54.7%
	Total ASL Files		**3,464**	**1,961**	**1,503**	56.6%

[a] Number of ASL files is approximated based on scale, vertebrae, and otolith archives.

Table 1.5. Tasks completed during contract agreement.

- Overall
  - ✓ List of historic AYK projects including project name, years of operation, source agency, and contact person.
  - ✓ Maps of AYK region, (color, black/white, several file formats)

- Subsistence Harvest and Effort
  - ✓ Detailed and summary data: All Yukon Area annual household survey and permit databases for the years, 1989 to present, were upgraded from obsolete DOS Rbase software or Rbase for Windows and converted to Access. This conversion allowed this data to be included in the statewide database maintained by Subsistence Division. All historic files copied to CD.
  - ✓ Maps of surveyed villages in AYK created.

- Commercial Harvest and Effort
  - ✓ Detailed data: A fisheries biologist from AYK region worked on historic fish ticket files in conjunction with a programmer in Juneau to reconcile discrepancies between historic AYK region fish ticket files and Computer Services (CF Headquarters) files. One year of fish tickets missing from the historic electronic files was rekeyed. An inventory of historic fish tickets was created listing district, subdistrict, statistical area, and number of tickets by year.
  - ✓ Summarized data: Historic fishing period information was entered or reorganized from spreadsheets so that the information could be rechecked when fish tickets are transferred to the new Oracle fish ticket database. An inventory of area catch and effort files was created. Work was begun to standardize spreadsheets and to create spreadsheets for areas where none exists.
  - ✓ Maps of commercial statistical areas created.

- Escapement
  - ✓ Standardized spreadsheet and Access data files of daily and annual escapement observations inventoried and described.

(continued)

Table 1.5. (page 2 of 2).

- ✓ Project descriptions
- ✓ Some problems with escapement data described
- ✓ Map of historic escapement projects created.

- Age-Sex-Length Data
  - ✓ Forty years of physical scale cards organized and inventoried in Anchorage and Nome offices. Used as a reference to find matching electronic data.
  - ✓ Detail data: electronic ASL files were aggregated and inventoried.
  - ✓ Summarized data: ASL summary tables aggregated and inventoried.
  - ✓ Several thousand 5 ¼ inch and CP/M operating system diskettes transferred to CD

Table 1.6. Standardized spreadsheets and format for escapement files collected for GIS project (data through 1998). Note this data was loaded into Oracle database software.

- Kuskokwim Escapement Project Files
  - **Kuskokwim\kuskdailycount.xls** = daily count data for Kuskokwim projects.
    - Worksheets: Aniak-sonar, Kogrukluk-tower,Kogrukluk-weir,SFSalmon-weir,MFGoodnews-tower,MFGoodnews-weir,Kanetok-tower,Kanektok-sonar, Kuskokwim-sonar,George-weir,Kwethluk-weir,Kwethluk-tower,Tuluksak-weir,Taklotna-tower,Tatlawisksuk-weir.

- Yukon Summer Season Escapement Project Files
  - **Yukon\yukssdailycount.xls** = daily count data for Yukon summer season projects.
    - **Worksheets**: Pilot-sonar, EFAndreafsky-weir, EFAndreafsky-sonar, EFAndreafsky-sonar, EFAndreafsky-tower, Anvik-tower, Anvik-sonar, Kaltag-tower, Nulato-tower, Melozitna-sonar, Gisasa-weir, Clear-tower, SFKoyukuk-weir, Beaver-weir, Chena-tower, Salcha-tower.

- Norton Sound/Kotzebue (NS/K) Escapement Project Files
  - **Arctic\arcdailycount.xls** = daily count data for NS/K projects.
    - **Worksheets:** Kwiniuk-tower,North-tower,Niukluk-tower,Eldorado-tower,Nome-tower,Nome-weir,Snake-tower,Shaktoolik-tower,Pilgrim-tower,Noatak-sonar.

Standard Daily Count Spreadsheet Format

col. A = stream_cfmd_code
col. B = project_code (presently coded with project name)
col. C = site_code (presently blank)
col. D = bank (where L=left, R=right, M=mid-channel, U=unspecified)
col. E = species_code (standard fish ticket codes, 499=unspecified)
col. F = run (summer or primary)
col. G = maturity (adult or jack)
col. H = project_count_type (where CL=counted live, EL=estimated live, e.g., expanded counts, CV=calculated value, e.g., interpolated counts
col. I = obs_date (observation date)
col. J = number (daily count)
col. K = footnote (daily comment, letter code)
col. L = footnote code (footnote code explantation)

Status

- **Kuskokwim:** received comments from area staff. Finalized 2/8/99.

- **Yukon Area:** Yukon: data through 1998; received comments from sonar and management biologists, edited on 1/29/99. Some 1997 project_count_type codes may need to be changed (see: yukssprojnotes.doc)

- **Norton Sound/Kotzebue:** received comments from area staff. Generally looked ok but needs more thorough editing;

(continued)

Table 1.6. (page 2 of 4).

- **Project listings and information**
  - **kuskprojlst.xls** = Kuskokwim project list
    - **worksheet** = kuskesc
  - **yukssprojlst.xls** = Yukon summer season project list
    - **worksheet** = yuksumesc
  - **arcprojlst.xls** = Norton Sound/Kotzebue project list
    - **worksheet** = ns-kotz_proj

Standard Project List Spreadsheet Format

col. A = drainage
col. B = mainstem RM (river miles from mouth of mainstem to project site or tributary)
col. C = stream
col. D = trib RM (tributary river miles from mouth of tributary to project site)
co.. E = stream ID (blank)
col. F = site_name (project name)
col. G = project_type (tower, weir, sonar)
col. H = type (SB=split beam, DB=dual beam, floating=floating weir, fixed=fixed weir
col. I = years of operation
col. J = lead agency
col. K = species
col. L = data collected (ASL=age-sex-length, GSI=genetic stock index, esc=escapement, clim=climatological, hydro=hydrological
col. M = remarks (annual operation comments and assisting agencies)
col. N-Q = data storage information (location, medium, years, report names)

status: edited and finalized on 1/29/99

- **Project Descriptions**
  - **Kuskprojnarr.xls= Kuskokwim project descriptions**
  - **Yukssprojnarr.xls = Yukon summer season project descriptions**
  - **Arcprojnarr.xls=Norton Sound/Kotzebue project descriptions**

Standard Project List Spreadsheet Format

col. A = project name
col. B = narrative

status: received comments from management biologist, edited and finalized on 1/25/99

(continued)

Table 1.6. (page 3 of 4).

- **Project site coordinates**
  - **kuskcoord.xls** = Kuskokwim project site coordinates
  - **yuksscoord.xls** = Yukon summer season project site coordinates
  - **arccoord.xls**= Norton Sound/Kotzebue project site coordinates

Standard Project Site Coordinates Format

col. A = mainstem RM RM (river miles from mouth of mainstem to project site or tributary)
col. B = stream
col. C = trib RM (tributary river miles from mouth of tributary to project site)
col. D = site_name
col. E = project type
col. F = right bank latitude
col. G = right bank longitude
col. H = left bank latitude
col. I = left bank longitude
col. J = mid-channel latitude
col. K = mid-channel longitude
col. L = verified (checked if verified by project leader based on project site maps)
col. M = changed (checked if coordinates were changed based on input from project leaders)

status: sent project site maps to management and sonar biologist on 2/2/99; Pilot Station site was verified, still waiting for verification from management

- **Observer/Agency/Division Codes and Definitions**
  - **Kuskobser.xls= Kuskokwim**
  - **Yukobserv.xls = Yukon**
  - **Arcobserv.xls=Norton Sound/Kotzebue**

Standard Project List Spreadsheet Format

worksheets: observer
col. A = observer code
col. B = observer code
col. C = agency code
col. D = agency division code

(continued)

Table 1.6. (page 4 of 4).

Standard Project List Spreadsheet Format (continued)

worksheet: agency
col. A = agency code
col. B = agency

worksheet: agency_division
col. A = agency code
col. B = agency division code
col. C = agency division

status: finalized

- **Yukon\yukstream.xls = Yukon stream information**
  worksheet: stream_cfmd
  col. A = stream_cfmd code
  col. B = stream_cfmd_name
  col. C = stream_connecting
  col. D = longtitude (blank)
  col. E = latitude (blank)
  col. F = stat_area (blank)
  col. G = district (blank)
  col. H = sub_district (blank)
  col. I = section (blank)
  col. J = s_tix_area (blank)

  worksheet: stream
  col. A = stream_name
  col. B = water_body ID (blank)
  col C. = stream_cfmd_code
  col. D = stream_awc_code (blank)
  col. E = quad (stream mouth quad)
  col. F = region_cfmd (RIII entered)

- **Yukon\yukstream.xls = Yukon stream information (Continued)**
  worksheet: drainage

  col. A = stream_name
  col. B = drainage (stream/lake the stream drains into)
  col. C = drainage_connecting (connecting streams/lakes from col. B entry to Yukon)

  status: information in this spreadsheet was obtained from YukGeo.xls (converted from Region III Rbase file). The statistical area information that was entered into saspopsl.mdb was obtained from AMR maps.

- **Yukon\yukssprojnotes.doc = notes on daily count data.**
  Status: finalized 2/22/99

Table 1.7. Descriptions of Kuskokwim Area salmon projects.

WEIRS
George River Weir In 1996, a fixed picket weir was established on the George River through a cooperative venture between the ADF&G, Kuskokwim Native Association (KNA), BSFA, and U.S. Fishermen's Association. This project was initiated with the intention of improving the distribution of escapement inventories within the Kuskokwim River drainage. The project provides passage estimates for chinook, chum, sockeye, pink, and coho salmon. Age-sex-length and genetic stock index data are also collected. In 1999, the weir was upgraded to a resistance board weir.
Kanektok River Weir In 1999, ADF&G in association with the Native Village of Kwinhagak, USFWS, BSFA, and BIA initiated a resistance board weir on the Kanektok River. This weir became operational in the fall of 2001.
Kogrukluk River Weir (a.k.a. Ignatti or Holitna) Kogrukluk River weir has been operated by the ADF&G since 1976 to monitor the passage of chinook, sockeye, chum, and coho salmon. Inseason escapement projection models have been developed for the Kogrukluk project to provide more timely estimates of the final escapement, but their usefulness has been limited because of the long travel time between the commercial fishery and weir. Age-sex-length and genetic stock index data are also collected. The weir is scheduled to be upgraded to a resistance board weir in 2003.
Kwethluk River Weir The USFWS installed a fixed weir on the Kwethluk River in 1979 and 1992 to monitor the passage of chinook, chum, sockeye, pink, and coho salmon, and collect ASL data. The project was terminated due to opposition from the village of Kwethluk. In 2000 a resistance board weir project was reinitiated on the Kwethluk River by ADF&G, USFWS, and the Kwethluk Traditional Council with funding by BSFA, the Federal Office of Subsistence Management, and the BIA to monitor the passage of chinook, chum, sockeye, pink, and coho salmon.
Middle Fork Goodnews River Weir The Alaska Department of Fish and Game (ADF&G) has operated a weir on the Middle Fork Goodnews River since 1991. The weir site is located about 15 miles from the eastern boundary of the commercial fishing district. This location is accessible for timely escapement assessment, which promotes effective inseason management. A fixed picket weir was used from 1991 to July 1997, when a floating weir replaced it. This change permitted better assessment of the coho salmon escapement. The project provides run timing and magnitude for chinook, chum, sockeye, pink, and coho salmon; age-sex-length composition; and genetic stock index data. Postseason estimates of spawning

(continued)

WEIRS (Continued)

Middle Fork Goodnews River Weir (continued)
populations for the Goodnews River are made by expanding aerial survey counts of the Goodnews River by the Middle Fork Goodnews River (MFGR) weir index. The MFGR weir index is the ratio of fish seen during a survey of the MFGR to the cumulative number of fish having passed the weir to that date.

Salmon River Weir
ADF&G operated a fixed weir on the Salmon River from 1981 to 1982. The project collected data on chinook salmon escapement and age-sex-length composition. The project was terminated because of budget constraints and logistical problems

Takotna River Weir
In 2000 a resistance board weir was placed in the Takotna River. The Takotna River weir is operated by the Iditarod Area School District in conjunction with ADF&G and funded by the BSFA and the National Marine Fisheries Service (NMFS). The project provides passage estimates for chinook, chum, and coho salmon.

Tatlawiksuk River Weir
In 1998, KNA, in cooperation with ADF&G and BSFA, installed a fixed weir on the Tatlawiksuk River. The project collected escapement data for chinook and chum in 1998 before high water conditions forced early termination of the project. In 1999, the project was upgraded to a resistance board weir. The project will provide passage information for chinook, chum, sockeye, pink, and coho salmon; and age-sex-length data.

Tuluksak River Weir
The USFWS operated a fixed weir on the Tuluksak River from 1991 to 1994. The project provided escapement data for chinook, chum, sockeye, pink, and coho salmon, ASL and GSI data. The project was terminated due to opposition from the village of Tuluksak

TOWERS

Kanektok River Tower
In 1960 to 1962 ADF&G operated a counting tower on the Kanektok River. In 1996, a tower was established on the Kanektok River in a cooperative effort between the Native Village of Kwinhagak, U.S. Fish and Wildlife Service (USFWS), ADF&G, Bering Sea Fishermen's Association (BSFA), and U.S. Bureau of Indian Affairs (BIA). The project provides daily passage estimates for chinook, chum, and sockeye salmon; and age-sex-length data. The project was discontinued in 1999 because fish could not be effectively counted and problems with species apportionment.

(continued)

TOWERS (Continued)

Kogrukluk River Tower
A counting tower was operated by ADF&G on the Kogrukluk River from 1969 to 1970 and from 1972 to 1978. The project provided escapement estimates for chinook, chum, and sockeye salmon. Age-sex-length data were collected.

Kwethluk River Tower
From 1996 to 1999, a tower was established on the Kwethluk River through a cooperative venture between the ADF&G, AVCP, BSFA, and USFWS. This project was initiated with the intention of improving the distribution of escapement inventories within the Kuskokwim River drainage. The project provided passage estimates for chinook, chum, and sockeye salmon.

Middle Fork Goodnews River Tower
ADF&G operated a tower site on the Middle Fork Goodnews River from 1981 to 1990. The project provided estimates of chinook, chum, and sockeye salmon. Age-sex-length and genetic stock index data were collected too. A fixed weir replaced the tower in 1991.

Takotna River Tower
In 1995, a tower was established on the Takotna River through a cooperative venture between the ADF&G, Takotna Community School and Training Center, BSFA, and USFWS. This project was initiated with the intention of improving the distribution of escapement inventories within the Kuskokwim River drainage. The project provides passage estimates for chinook and chum salmon. The project was discontinued in favor of a resistance board weir in 1999.

SONAR

Aniak River Sonar
ADF&G has operated a sonar array on the Aniak River since 1980. The Aniak River is thought to be one of the largest producers of chum salmon in the Kuskokwim River drainage. The counts represent a mix of species, but they are assumed to be significantly dominated by chum salmon. The recent convention is to describe the counts as estimates of unspeciated fish passage. Through 1995, non-configurable sonar equipment was used and passage in an unensonified section of the channel was estimated. In 1996, the equipment was upgraded to make use of configurable sonar technology and the deployment site was moved to a location that allowed for full ensonification of the river channel. Age-sex-length data has been collected since 1996, with some limited age-sex-length data collected there before 1996. The project has provided some genetic stock index data.

(continued)

Table 1.7. (page 4 of 6).

SONAR (Continued)

Kanektok River Sonar

The Alaska Department of Fish and Game operated a sonar array on the Kanektok River in cooperation with the USFWS, BIA, and BSFA from 1982 to 1987. The project provided estimates of total salmon passage with season totals apportioned by chinook, chum, sockeye, pink, and coho salmon and arctic char. The project was terminated because of site limitations and technical obstacles.

Kuskokwim River Sonar

ADF&G operated a configurable sonar array on the Kuskokwim River from 1993 to 1995. The project provided daily passage estimates for chinook, chum, sockeye, pink, and coho salmon; and age-sex-length data. Shortages in technical support and restructuring of the regional sonar program precluded operation of the program past 1995.

Kwethluk River Sonar

An experimental sonar project was operated on the Kwethluk River in 1978 and 1979.

TEST FISHERIES

Aniak

The Aniak test fishery's results are unpublished. The test fishery operated from 1992 through 1995.

Bethel Drift Gillnet

The Bethel test fishery provides indices for proper disposition of the catch in a narrow river channel of the Kuskokwim River near Bethel, beginning in 1983. The site was in the mainstem Kuskokwim River about 5 km (3.5 mi.) upstream from Bethel. The river was approximately 1 km wide and had a single major channel that allowed drift gillnets to collect accurate CPUE data. The Bethel test fishery indexes abundance of salmon at a point mid-way in the fishing district upstream from major commercial and subsistence fisheries. The Bethel test fishery provides timely and useful insights of benefit to salmon management.

Chuathbaluk

The Chuathbaluk test fishery's results are unpublished. The test fishery operated from 1992 through 1993.

(continued)

Table 1.7. (page 5 of 6).

TEST FISHERIES (Continued)

Eek
The Eek test fishery's results are unpublished. The test fishery operated from 1988 through 1994.

Kuskokwim River Subsistence
The Kuskokwim River subsistence test fishery was operated from 1988 to 1990. The Kuskokwim Fisherman's Cooperative operated the test fishery. Information from the test fishery can be obtained by contacting the Kuskokwim Fisherman's Cooperative.

Kwegooyuk Set Gillnet
From 1966 through 1983 ADF&G conducted a set gillnet test fishery in the lower reach of the Kuskokwim River near an abandoned fish camp called Kwegooyuk. At that site, the river ranged from approximately 5 to 7 km in width and had a major channel along both the east and west shores. The Kwegooyuk test fishing gillnets, 49 m in length, were set from the east shore just upstream of the lower boundary of District 1 and fished 24 hours a day. The goals of the Kwegooyuk test fishery were to estimate run timing and index abundance of chinook, sockeye, and chum salmon. The Kwegooyuk set gillnet test fishery was discontinued for reasons of remoteness, fluctuating migratory patterns, changes in channels, and for its inability to obtain satisfactory relative abundance information on targeted salmon species. The Kwegooyuk set gillnet test fishery was abandoned after drift gillnet test fishery near Bethel was initiated.

Lower Kuskokwim River
The Lower Kuskokwim River test fishery's results are unpublished. The test fishery operated in 1995 and was a continuation of the Eek test fishery.

Tulusak Fish Wheel(s)
In 1961-1962 ADF&G operated from one or two fish wheels near the village of Tulusak, approximately 146 miles upstream from the mouth of the Kuskokwim River. The primary purpose of the project was to gather basic biological data and to determine migration transit times for the Upper Kuskokwim River and its tributaries.

TAGGING

Area M
Tagged salmon were caught from the Area M release in 1960 and 1987 by ADF&G.

Coho Salmon Radio Telemetry
ADF&G has been tagging coho salmon with radio telemetry tags since 2001.

(continued)

TAGGING (Continued)

Hooper Bay Mark-Recapture
In 1985, BSFA initiated a one-year mark-recapture project designed to assess migration patterns for fall chum salmon in the Hooper Bay area. Set gillnets were used to capture fall chum salmon for tagging. Information on this project may be obtained by contacting BSFA.

Kuskokwim River Coho Mark-Recapture
In 2000 a mark-recapture project was initiated by ADF&G for the Kuskokwim River near the village of Kalskag, approximately 170 km from the mouth of the Kuskokwim, using a fish wheel to capture coho salmon. The objectives for this project are to determine run timing, obtain independent abundance estimates, determine the migration rates to the recovery locations, and to assess the proportion of the coho salmon escapement represented by the various escapement projects. This project report is not published at this time.

Kuskokwim River Chum Salmon Radio Telemetry
In 1995, BSFA conducted a study by tagging chum salmon with radio telemetry tags. Information on this project can be obtained by contacting BSFA.

Kuskokwim River Set Gillnet
In 1966 ADF&G initiated a tagging project at Enrayak, approximately 30 miles from the mouth of the Kuskokwim River on the south bank, with set gillnets. The objectives for this project were to determine run timing, differentiation of the runs, migration rates, population size, and percentage utilization by the commercial and subsistence fisheries of chinook, chum, and sockeye salmon. This study was discontinued after one season.

Quinhagak Drift Gillnet
In 1969 and 1970 a drift gillnet tagging project was initiated in the Quinhagak area, approximately 20 miles south of the Kuskokwim River mouth. The objective of the tagging study was to determine the extent of intermingling between Kuskokwim River and Kanektok/Arolik River salmon stocks. The project was discontinued after two seasons.

AERIAL/GROUND SURVEYS

Aerial Surveys
Annual aerial surveillance of selected salmon spawning streams during both the summer and fall seasons, are conducted for the purpose of monitoring spawner distribution and relative abundance of chinook, chum, and coho salmon throughout the Kuskokwim area.

(continued)

Table 1.8. Descriptions of Yukon Area salmon projects

WEIRS

Andreafsky River Weir, East Fork

In 1994, the USFWS installed a floating resistance weir on the East Fork Andreafsky River to assess chinook and summer chum salmon returns from early June through early August. This project was initiated partly in response to the poor summer chum escapement in 1993, and as part of the agency's long-term research goals in the Yukon Delta National Wildlife Refuge. The project is strongly encouraged by ADF&G, the Bering Sea Fishermen's Association (BSFA), the Yukon River Drainage Fisheries Association (YRDFA), and local fishermen in St. Mary's. Staffing is provided by USFWS; and local Native youth are funded through BSFA to the Yupik of Andreafsky and Algaaciq Tribal Council. The project was extended beginning in 1995 to operate through mid-September to enumerate coho salmon.

Barton Creek Weir

ADF&G operated the weir from 1994 to 1996 as a part of the enumeration of fall chum and coho salmon in the Toklat River drainage. The weir was located on the creek which was located just downstream of the sonar project. The majority of the coho salmon in the system were thought to migrate to this tributary but most of the coho salmon moved in after October when the project was annually pulled due to the onset of winter. The project was discontinued along with the sonar project.

Beaver Creek Weir

In 1996, the U.S. Bureau of Land Management (BLM) installed a resistance board weir in the upper portion of Beaver Creek to enumerate chinook and summer chum salmon within the BLM portion of the watershed. Secondary objectives include documentation of run timing, ASL data collection, and genetic stock index sampling. The Beaver Creek Weir was discontinued in 2001 for various reasons.

Blind Creek Weir

The Blind Creek weir has operated from 1997 to 2000 by the Ross River Dena Council. The weir was established to enumerate Chinook salmon and obtain ASL and tag composition information. The Blind Creek weir project was not conducted in 2001 because of operational problems associated with the project in 2000. Prior to weir operations, the relationship between aerial surveys and weir counts had not been established for this project.

Clear Creek Weir

BLM operated a salmon enumeration project on Clear Creek (within the Hogatza River drainage). Primarily summer chum salmon escapement was estimated by using a standard picket style weir and trap installed in Clear Creek, approximately 1.0 kilometer above the confluence with the Hogatza River.

(continued)

Table 1.8. (page 2 of 15).

WEIRS (Continued)

Chandindu River Weir

The Yukon Commercial Fishers Association and the Trondek Hwetchin First Nation installed a weir on the Chandindu River for the fourth year. The weir enumerates escapement for chinook and chum salmon. Chinook salmon ASL and tag composition data is obtained at this site.

Fishing Branch River Weir

A weir was established to enumerate fall chum salmon escapement to the Fishing Branch River from 1972 to 1975 and has operated annually since 1985, except for 1990. Since 1991, the weir program has been conducted cooperatively by the Vuntut Gwitchin First Nation (VGFN) of Old Crow, and DFO.

Gisasa River Weir

Variability in aerial survey salmon counts prompted the USFWS to install a resistance board weir on the Gisasa River in 1994 to document the daily passage of chinook and summer chum salmon. Primary objectives of this project are to determine the daily passage of chinook and summer chum salmon, estimate sex and size composition, evaluate the effectiveness of aerial survey estimation, and determine the presence and movement of resident fish.

Henshaw Creek (Koyukuk River) Weir

The USFWS operates a weir on the Henshaw Creek drainage from July to early August enumerating chinook and summer chum salmon. The project was operated as a tower in 1999 beginning a multi-year monitoring effort using a weir in 2000. Aerial surveys have been conducted intermittently since 1960. Weir operators collect daily escapement, run timing, and ASL data.

Koyukuk River Weir, South Fork

In 1996, the U.S. Fish and Wildlife Service installed a resistance board weir on the South Fork Koyukuk River to enumerate chinook, summer chum, and fall chum salmon escapements. This project has provided passage and ASL data, but high water events during the fall period have compromised fall chum salmon enumeration. The weir project was terminated in 1999.

Tatchun Creek Weir

The weir has operated since 1997 (by DFO?), but was discontinued in 2001 because of local concerns that it was delaying and impeding chinook salmon migration.

(continued)

TOWERS

Anvik River Tower

The ADF&G used counting towers located at several sites on the Anvik River to enumerate migrating summer chum and chinook salmon from 1972 to 1978. Aerial surveys conducted during the 1950's and 60's suggested that the Anvik River provided important spawning areas for these species. Data collected by this project was added to the aerial survey counts for total escapement estimations.

Chatanika River Tower

In 1998 ADF&G Division of Sport Fish initiated a counting tower on the Chatanika River to enumerate chinook salmon.

Chena River Tower

Before 1993, management of commercial, subsistence, personal, and sport uses of chinook and summer chum salmon in the Chena River primarily depended on aerial survey information. Variability in aerial survey data prompted ADF&G Division of Commercial Fisheries to implement a mark-recapture program in 1986 to estimate chinook salmon escapement, which was continued by ADF&G Division of Sport Fish through 1992, but this project only provided post-season estimates that did not accommodate the need for rapid in-season decisions. In 1993, a tower counting project was initiated by ADF&G, Division of Sport Fish on the Chena River to primarily enumerate chinook salmon; information on summer chum salmon escapement is also collected through Division of Commercial Fisheries.

Clear Creek Tower

Clear Creek is a tributary of the Hogatza River in the Koyukuk River drainage. Proposed placer mining by the Taiga Mining Company within the upper reaches of the summer chum salmon spawning habitat on Clear Creek provided the impetus for gathering more information on summer chum salmon abundance, ASL information, and water quality. In 1995, the TCC operated a tower on Clear Creek and the project has continued since that time. Cooperators have included the BSFA, USFWS, BLM, and ADF&G. Hogatza River salmon are assumed to be some of the earliest fish to enter the Yukon River each season. However, run timing statistics indicate that the mid-point of the run is similar to that of other lower Yukon River summer chum salmon populations.

Kaltag River Tower

The Kaltag River tower project was initiated in 1991 in response to a lack of summer chum salmon monitoring projects within the middle Yukon River. The University of Alaska Fairbanks Cooperative Extension Service serves as the project coordinator with funding supplied by a variety of federal, state, and private sector grants. The project enumerates summer chum salon as well as provides ASL information and documents the

(continued)

TOWERS (Continued)

timing and abundance of chinook salmon in this drainage. The project is primarily operated by local youth and the City of Kaltag assists with many aspects of the project.

Nulato River Tower

The Nulato River tower project was initiated in 1994 in response to a lack of summer chum and chinook salmon monitoring projects within the middle Yukon River area. The project was originally a cooperative effort between the BSFA, Tanana Chiefs Conference (TCC), and ADF&G, but the Nulato Tribal Council has since replaced the TCC. The primary objectives have been to enumerate chinook and summer chum salmon escapement to the Nulato River and collect ASL data. The Nulato tower is scheduled for upgrade to a resistance board weir in 2003.

Salcha River Tower

Before 1993, management of commercial, subsistence, personal, and sport uses of chinook and summer chum salmon in the Salcha River primarily depended on aerial survey information. Variability in these data prompted the ADF&G Division of Sport Fish to implement a mark-recapture program in 1987 to estimate chinook salmon escapement, but this project only provided post-season estimates that did not accommodate the need for rapid in-season decisions. In 1993, a tower counting project was initiated by ADF&G Division of Sport Fish on the Salcha River to primarily enumerate chinook salmon; information on summer chum salmon escapement is also collected through support from the ADF&G Division of Commercial Fisheries.

Tozitna River Tower

BLM initiated a salmon enumeration project on the Tozitna River. BLM operated a tower project through a Cooperative Agreement with the Tanana Tribal Council (TTC). The project site was located at river km 80.4, approximately 0.4 river kms upstream from the confluence of Dagislakhna Creek. A counting tower, partial weir, and contrast panels were installed in 2001. The project enumerates both chinook and summer chum salmon.

Whitehorse Dam Fishway Tower

After the construction of the Yukon River dam in Whitehorse the fishway was brought on line to monitor the mitigation efforts to the toll of fry succumbing to the pressure drops caused by the dam. This project has been operated since 1959 by DFO to specifically enumerate wild and hatchery reared chinook salmon returns to the Whitehorse area, it is also used to obtain ASL and CWT tag information.

(continued)

Table 1.8. (page 5 of 15).

SONAR

Andreafsky River Salmon Study (Sonar and Tower)

Summer chum salmon escapement to the East Fork Andreafsky River was estimated by ADF&G using sonar from 1981 to 1984. The project was terminated due to difficulties with high water, sonar limitations, and speciation problems. Because of difficulties estimating salmon escapement with sonar equipment on the East Fork Andreafsky River, ADF&G switched to counting migrating summer chum and chinook salmon from a tower during the period 1986 to 1988. The project was terminated because of budget constraints.

Anvik River Sonar

ADF&G has used sonar (Bendix) to estimate salmon escapement to the Anvik River since 1979. Feasibility of split-beam sonar began in 2000 and is currently in transition with operation of both systems in 2002 before a complete shift to the new system. This project provides estimates of summer chum salmon escapement and ASL data. Monitoring of escapement to the Anvik River drainage is important because it is estimated to account for roughly half of the production of summer chum salmon in the Yukon River.

Chandalar River Sonar

From 1986 to 1990, the US Fish and Wildlife Service (USFWS) used sonar (Bendix) to estimate fall chum salmon escapement to the Chandalar River. The project was suspended to shift resources in development of the U.S. border sonar project at Eagle, Alaska. Because of the decline of Yukon River fall chum salmon and the decreasing likelihood of an operational border sonar system, a feasibility study using more sophisticated 200 kHz split-beam sonar was initiated on the Chandalar River in 1994. In 1995, a postseason estimate was generated, and in 1996, counts were reported to ADF&G on a daily basis. The project was fully operational in 1997. Daily passage, timing, relative magnitude, and age-sex-length (ASL) data are collected. The drainage is a major contributor to the Yukon River fall chum salmon run.

Koyukuk River Sonar, South Fork

In 1990, USFWS conducted a pilot project on the South Fork Koyukuk River to enumerate salmon escapement using sonar. For more information on the project contact USFWS.

Melozitna River Sonar

In 1981, ADF&G initiated a sonar project on the Melozitna River to determine the feasibility of using hydroacoustic techniques to estimate escapement to a tributary stream

(continued)

SONAR (Continued)

along the middle Yukon River. This project provided estimates of total salmon passage, with most attributed to summer chum salmon; small, unknown numbers of chinook were included in the estimates. The project was terminated after 1983 because of budgetary and logistical constraints.

Sheenjek River Sonar

ADF&G has estimated fall chum salmon escapement to the Sheenjek River using sonar (Bendix) since 1981. Feasibility of split-beam sonar began in 2000 and is currently in transition with operation of both systems in 2002 before a complete shift to the new system. Daily passage, timing, relative magnitude, and ASL information are collected annually. The drainage is a major contributor to the Yukon River fall chum salmon run.

Tanana River Sonar

In 1981, ADF&G initiated a side scan sonar project to enumerate fall chum salmon in the Tanana River near Fairbanks. Salmon enumeration by side scan sonar on the Tanana River at the 1981 site was not feasible because of the wide, braided nature of the river, heavy silt and debris loads, and the suspected migration of fall chum salmon across the entire width of the river.

Toklat River Sonar

A sonar project using Bendix sonar gear was operated in the Toklat River from 1994 to 1996 in attempt to develop a better assessment of escapement. The Toklat River drainage is a major contributor of Tanana River fall chum salmon. A feasibility study for split-beam sonar was conducted at a new site on the Toklat River drainage in 2001. Fish wheels operating on each bank were used for species apportionment.

Yukon Border Sonar, Eagle

In 1992, ADF&G in conjunction with USFWS and Department of Fisheries and Oceans Canada (DFO) initiated a project to enumerate salmon escapement past the US/Canadian border using split-beam sonar near the village of Eagle. This project was a four-year project to study the feasibility of using split-beam sonar to enumerate salmon in a riverine system. The project was discontinued after the 1994 season because it was not feasible.

Yukon River (Pilot Station) Sonar

The ADF&G Pilot Station sonar project became operational in 1986 and provides daily upstream passage estimates for chinook, summer chum, fall chum, and coho salmon. The project is located at river mile 123, approximately one mile upstream of the village of Pilot Station. This site is one of few locations on the lower Yukon where the river runs through a single channel and has a bottom profile conducive to detecting passing salmon

(continued)

SONAR (Continued)

using sonar. This project has faced a variety of challenges since the initiation of feasibility studies in 1980, but the passage estimates for chum salmon provided by the current sonar system, coupled with onsite quality control measures, are considered reliable.

TEST FISHERIES

Big Eddie Drift Net
From 1987 to 1989 and 1999 to present, ADF&G has conducted a drift net test fishery at Big Eddie.

Big Eddie Set Net
Since 1977 ADF&G has conducted a set net test fishery at Big Eddie.

Fish Village Drift Gillnet
In 1982 and 1983, ADF&G conducted a drift gillnet test fishery down stream from Fish Village in the Lower Yukon. This project was completed with the assistance of a contracted fisher. The purpose of the Fish Village drift gillnet test fishery was to asses the relative abundance and run timing for summer chum salmon.

Flat Island Set Gillnet
In 1963, ADF&G initiated a set gillnet test fishery on Flat Island in the Lower Yukon River. This project was relocated to the middle mouth of the Yukon River in 1979.

Fort Yukon Fish Wheel
From 1995 to 1996 the Council of Athebascan Tribal Government in conjunction with ADF&G operated a test fish wheel near the village of Fort Yukon to assess the relative abundance and run timing of fall chum and coho salmon.

Galena Test Fish Wheel
In 1995, ADF&G, with funding from BSFA, operated a fish wheel near the village of Galena to assess abundance and run timing information on fall chum and coho salmon.

Kaltag Drift Gillnet
The Kaltag drift net fishery, initiated in 1999, was developed to monitor the fall chum and coho salmon runs in the middle Yukon. The village of Kaltag operates the drift gillnet test fishery. Information on the daily drifts is reported to ADF&G where they are translated into CPUE to compare within and between years and beginning in 2001 ASL information is collected.

(continued)

TEST FISHERIES (Continued)

Kaltag (Stink Creek) Fish Wheel

In 1980 ADF&G initiated a test fish wheel in the general area of Kaltag. Because of interference from commercial and subsistence fishermen in the area the test fish wheel was relocated in 1982 to a location approximately 21 down stream from its original location. The test fish wheel remained at this location until the project was discontinued in 1984. The test fish wheel provided abundance and run timing information on the Yukon River salmon runs.

Lower Yukon River Middle Mouth Drift Gillnet

ADF&G and the Emmonak Tribal Council, with funding by USFWS, operated a drift gillnet test fishery to obtain abundance and run timing in the Yukon River Delta for chinook, chum (fall and summer), and coho salmon. In 2001, the Middle Mouth location was added to the existing South Mouth test fishery to intercept salmon transiting all three mouths of the Yukon River Delta.

Lower Yukon River Middle Mouth Set Gillnet

In 1979, this project was relocated to locations intercepting fish from the North, South, and Middle Mouths of the Yukon River Delta. In 1989, the Middle and North Mouths' set gillnet sites were relocated to their current location. Information on chinook, chum and coho salmon run timing and abundance has been collected by this project. In 2001, the Lower Yukon set gillnet test fishery obtained information on chinook salmon only, as other species indicators have been changed to drift gillnet test fishery projects.

Manley Fish Wheel

In 1984, ADF&G initiated a test fish wheel near Manley Hot Spring to assess fall chum and coho salmon escapement relative abundance and run timing in the lower Tanana River. This test fish wheel operated from 1984 to 1993, with the exception of 1986 and 1987.

Marshall Drift Gillnet

The Marshall drift gillnet test fish project was operated from 1999 to 2000 to provide an index of chinook salmon passage. However with the startup of the chinook salmon radio telemetry project, which also utilizes drifts, the two projects were interfering with each other and the index drift gillnetting was discontinued with the hope to resurrect the project in 2003 once the chinook salmon telemetry project has been completed in 2002.

Mt. Village Drift Gillnet

The Mountain Village drift gillnet salmon test fishery (MVTF) has operated since 1995 by the Asacarsarmiut Traditional Council. The objectives of this project are to estimate the Run timing, index run strength and age composition of fall chum and coho salmon in the

(continued)

TEST FISHERIES (Continued)

Mt. Village Drift Gillnet (continued)
Yukon River near Mountain Village (river mile 87). A limited analysis of the six seasons' results suggests the project does provide a useful measure of run timing and run strength between and within years. The MVTF results correlated reasonably well with the Pilot Station sonar and the Kaltag drift gillnet test fishery.

Ruby Fish Wheel
In 1980, ADF&G contracted a test fish wheel in the Yukon River near the village of Ruby to assess fall chum and coho salmon relative abundance and run timing. This project was grouped with the Kaltag test fish wheel in 1981. This project operated until 1991.

Tanana River Fish Wheel
In 1992, two fish wheels were installed on opposite banks of the Tanana River. In 1993 a test fish wheel was placed in the mainstem of the Yukon River approximately 7 miles down stream from the confluence of the Yukon and Tanana Rivers. The North bank fish wheel became obsolete and was discontinued when the Rapids test fish wheel was in place for mark-recapture and provided the same information. This South bank test fish wheel is contracted by BSFA and collects abundance and run timing information for fish entering the Tanana River. In 2001, a video camera was included to monitor fall chum and coho salmon. In 2002 the video operations will be provided to collect information on chinook and summer chum salmon passage.

Upper Tanana (Nenana) Fish Wheel
In 1988 ADF&G contracted a test fish wheel near the village of Nenana to collect abundance and run timing information on the upper Tanana River stocks. Since 1995 this test fish wheel also acts as a recovery location for tagged salmon used in mark-recapture projects.

Yukon River White Rock/Sheep Rock Fish Wheel(s)
DFO operates test fish wheels at White Rock and Sheep Rock as part of a mark-recapture project, used to provide population estimates for Canadian border passage of chinook and fall chum salmon. It also provides information on relative abundance and run timing of chinook and fall chum salmon.

TAGGING

Area M
Tagged salmon were caught from the Area M release in 1960 and 1987 by ADF&G.

(continued)

TAGGING (Continued)

Canadian Mainstem Yukon River Mark-Recapture

DFO has conducted a tagging program on chinook and fall chum salmon stocks in the Canadian section of the upper Yukon River drainage since 1982 (excluding 1984). The objectives of this program are to provide in-season estimates of the border passage of chinook and chum salmon for management purposes and to provide postseason estimates of the total spawning escapements, harvest rates, migration rates and run timing. Spaghetti tags are applied to salmon live-captured in fish wheels. Subsequent tag recoveries are made in the various fisheries located upstream and infrequently in those located downstream. Population estimates are usually developed using spaghetti tag recoveries from the Canadian commercial fishery located downstream from the Stewart River where the most intensive catch monitoring is conducted.

Delta River Mark-Recapture

In 1973 and 1974, ADF&G conducted a mark-recapture project on fall chum in the Delta River. The Delta River is a tributary of the Tanana River. Department personnel completed tag recovery during daily carcass surveys. The objectives of this project were to determine distribution, abundance, and timing of fall chum salmon; to gauge the magnitude of the run; to determine the stream residence (life span) of fall chum salmon; and to collect age, sex, and length data. Fall chum salmon were captured for tagging by beach seine near the mouth of the Delta River.

Galena/Ruby and Lower Tanana River Mark-Recapture

ADF&G initiated a mark-recapture project on the Yukon River near the village of Galena by tagging fall chum salmon from fish wheels on opposite banks in 1976. The purpose of this mark-recapture project was to assess relative abundance, run timing, and to discern any bank orientation for fall chum salmon spawning in the Tanana River drainage or the Upper Yukon and its tributaries. In 1977, a fish wheel on the south bank of the Yukon River was added near the village of Ruby for a total of three operational tagging fish wheels. In 1978, a fourth fish wheel was added and the Galena location was abandoned in favor of fish wheels located 29 miles downstream, 30 miles upstream, and near the village of Tanana. The fourth fish wheel remained at its Ruby location. These changes marked the final year of this project, although a second project continued sampling at this location until 1980.

Hooper Bay Mark-Recapture

In 1985, BSFA initiated a one-year mark-recapture project designed to assess migration patterns for fall chum salmon in the Hooper Bay area. Set gillnets were used to capture fall chum salmon for tagging. Information on this project may be obtained by contacting BSFA.

(continued)

TAGGING (Continued)

Kantishna Mark-Recapture Recovery Fish Wheel
USFW in cooperation with ADF&G have operated a fish wheel at Kantishna since 2000.

Porcupine River Chum Salmon Radio Telemetry
In 1998, NMFS in cooperation with Fisheries and Oceans Canada conducted a one-year radio telemetry study to determine the distribution of radio-tagged chum salmon in the Canadian portion of the Porcupine River drainage.

Rampart Tagging Project
ADF&G conducted a mark-recapture study on fall chum salmon in 1972 and 1973. The objectives of the project were to determine the distribution, abundance and timing of spawning populations, the magnitude of the spawning population, the stream residence (lifespan), and the ASL composition of the Delta River fall chum salmon population.

Tanana River Fall Chum Salmon Radio Telemetry
In 1989, ADF&G conducted a one-year radio telemetry study to estimate the total spawning and abundance of chum salmon upstream of Fairbanks. Tracking of tagged fish was used to locate spawning areas in the upper Tanana River.

Toklat River Mark-Recapture (Code Wire Tag)
In 1996, ADF&G initiated a coded wire tag (CWT) mark-recapture project for fall chum salmon in the Toklat River. Fish were released in the spring of 1993 through 1995 marked with CWT. Recovery of fall chum salmon with CWT occurred from 1996 to 1999 at projects and fisheries within the Yukon River drainage. At this time the report is unavailable. Information from this project may be obtained by contacting ADF&G Division of Commercial Fisheries, Fairbanks, Alaska.

Toklat River Radio Telemetry
An adult salmon radio telemetry feasibility study was conducted by ADF&G on the Toklat River in 1997. The purpose was to document the movement and spawning locations of adult fall chum salmon. One hundred twenty three fall chum salmon were tagged with pulse-coded radio transmitters from 9 September to 28 September. The spawning location was estimated for 115 of those fish.

Upper Tanana River Mark-Recapture
The Tanana River fall chum salmon mark-recapture project was initiated in 1995. Two tag deployment fish wheels and two tag recovery fish wheels were used to sample each riverbank with equal effort. In 2001, one tagging fish wheel and one recovery wheel were used in the Tanana River. One tagging wheel was operated in the Kantishna River; two recovery fish wheels were used in the Toklat River, and one recovery wheel operated in

(continued)

TAGGING (Continued)

Upper Tanana River Mark-Recapture (continued)
the upper Kantishna River. This has provided a separate population estimate for the Kantishna River drainage since 1999. The fish were tagged with a 30 cm, hollow core, individually numbered spaghetti tag. This project was conducted with assistance from USFWS, BSFA, and the National Park Service.

Upper Tanana River Radio Telemetry
In 1992 a telemetry study was conducted by ADF&G on fall chum salmon captured by a fish wheel located near Fairbanks. External tags were placed on the fall chum salmon and were tracked primarily by air with some ground surveys of known accessible spawning areas at Delta River and Bluff Cabin Slough.

Upper Yukon Chum Salmon Radio Tagging
In 1982 and 1983 NMFS conducted a study examining the abundance of adult chum salmon within the Canadian portions of the Yukon River Basin. This project used fish wheels and gillnets to capture the salmon and spaghetti tags and radio transmitters to track movement and estimate abundance of chum salmon in the region.

Upper Yukon Rampart/Rapids Mark-Recapture
USFWS implemented a mark-recapture project located at Rampart Rapids on the Yukon River, 58 km upriver of the Tanana-Yukon River confluence, in 1996, to estimate population size of fall chum salmon in the Yukon River drainage upstream of the village of Rampart. Results from this project in combination with the Tanana River population estimates have the potential to verify passage estimates provided by Pilot Station sonar for fall chum salmon.

Yukon River Mark-Recapture
The first mark-recapture projects in the Yukon River were started in 1961 by ADF&G with funding from USFWS. The purpose of the mark-recapture project was to estimate population, species composition, and the utilization of chum salmon. The initial tagging location was between the village of St. Marys and Fish Village in the Lower Yukon River drainage using a fish wheel to capture salmon. After the initial two years, the Yukon River tagging project was transferred to state control. In 1963, the location of the tagging fish wheel was relocated near Pilot Station and was switched to tagging chinook salmon. It was in 1963, that set gillnets were used to capture and tag salmon in the South Mouth of the Yukon Delta at Flat Island. In 1964, the fish wheel at Pilot Station was discontinued as a tagging location and Flat Island set gillnets became the primary tagging location. In 1966, a location for set gillnets in the Middle Mouth of the Yukon River Delta started operations tagging salmon, in addition to the Flat Island location. In 1968, tagging operations using the Flat Island and Middle Mouth set gillnet sites was

(continued)

TAGGING (Continued)

Yukon River Mark-Recapture (continued)
discontinued and relocated upstream to Ohogamiut, Dogfish Village, and Paimiut. In 1969, a fish wheel was reintroduced at Ohogamiut. This project was discontinued after 1971.

Yukon and Tanana Rivers Fall Chum Salmon Tagging
From 1976 to 1980 a fall chum salmon mark-recapture tagging study was conducted on the Yukon River and in 1979 and 1980 on the Tanana River. This study was implemented by ADF&G in an effort to estimate population sizes. Attempts to separate upper Yukon and Porcupine River stocks were unsuccessful.

Yukon River Chinook Salmon Radio Telemetry
In 2000, studies began on the feasibility of using radio-telemetry tags on chinook salmon in the Yukon River Basin captured by drift gillnets. The study area includes the Yukon River drainage upriver from the village of Marshall. Tagging sites are near the villages of Marshall and Russian Mission. Remote tracking stations have been installed at 31 sites throughout the Yukon River basin. Local fishermen from Marshall and Russian Mission are contracted to provide fishing expertise and fishing boats. One crew fishing near Russian Mission and two crews fishing near Marshall will be used to attain weekly tag deployment goals. In 2002, 1,000 radio-telemetry tags are scheduled for deployment.

Yukon River Fall Chum Salmon Radio Telemetry
In 1998 and 1999 NOAA studies on the feasibility of using radio telemetry tags in the Yukon River Basin began with tagging fall chum salmon at the Rapids fish wheel location in conjunction with the USFWS spaghetti tag mark-recapture project. This study was concentrated on the movements of fall chum salmon in the upper Yukon River drainage with an infrastructure of satellite linked radio towers set up from the Rapids upstream near major tributaries and at each of the Canadian border crossings at the Yukon main stem and the Canadian portion of the Porcupine River drainage including the Fishing Branch River. Aerial surveys were also conducted to track the signals.

AERIAL/GROUND SURVEYS

Aerial Surveys
Annual aerial surveillance of selected salmon spawning streams during both the summer and fall seasons, are conducted for the purpose of monitoring spawner distribution and relative abundance of chinook, chum, and coho salmon throughout the Yukon River drainage in Alaska and Canada since 1960.

(continued)

Table 1.8. (page 14 of 15).

AERIAL/GROUND SURVEYS (Continued)

Bluff Cabin Slough Escapement Survey
An annual estimate of fall chum salmon spawning escapement is conducted within the Bluff Cabin Slough index area using primarily foot surveys with occasional aerial surveys from 1980 to present. The surveys are typically conducted during the peak of fall chum salmon spawning. From 1996 to 2000 replicate foot surveys were conducted as part of an ecology study in the area.

Delta Clearwater Boat/Aerial Survey
ADF&G has conducted boat/aerial surveys at Delta Clearwater since 1972.

Delta River Escapement Survey
Beginning in 1971, annual replicate foot surveys of the Delta River index area to estimate the fall chum salmon spawning escapement, run timing and stream life curve have been conducted. Also used to recover spaghetti tags weekly from the Tanana River fall chum salmon mark-recapture study. Samples are taken annually from carcasses for age, sex, and size composition information.

Nenana Aerial/Ground Surveys
ADF&G has conducted aerial/ground surveys at Nenana intermittently since 1974.

Toklat River Escapement Survey
Beginning in 1974, annual foot surveys of the Toklat Springs index area to estimate the fall chum salmon spawning escapement have been conducted. The surveys are typically conducted during the peak of fall chum salmon spawning however they are dependent on water level at the time of the survey. Also used to recover spaghetti tags from the Kantishna River fall chum salmon mark-recapture study. Samples are taken annually from carcasses for age, sex, and size composition information.

STOCK ENHANCEMENT PROJECTS

Clear Hatchery producing Toklat Stocks CWT
ADF&G conducted a CWT project at Clear Hatchery from 1992 to 1995.

Toklat River Fall Chum Restoration Feasibility
ADF&G conducted a fall chum salmon restoration feasibility study at the Toklat River from 1992 to 1999.

(continued)

Table 1.8. (page 15 of 15).

OTHER PROJECTS/STUDIES
Ichthyophonus hoferi Study BSFA in cooperation with UW have conducted this study since 1999.
Yukon Chinook Salmon Scale Patterns Analysis ADF&G has conducted studies on chinook salmon scale patterns in the Yukon area since 1980.
Yukon Chum Salmon Scale Patterns Analysis ADF&G conducted studies on chum salmon scale patterns in the Yukon area from 1974 to 1977, 1982 and 1986.
Yukon River Chum Salmon Ecology USGS in cooperation with BRD have conducted this study since 1996.

Table 1.9. Descriptions of Norton Sound/Kotzebue Area salmon projects

WEIRS
Glacial Lake Weir In 1979 the Glacial Lake weir was operated by the Nome High School and in 2001 BLM reinstated the project. The weir monitors salmon escapement into Glacial Lake. Information from the Glacial Lake weir project can be obtained from BLM. Nome River Weir In 1996, ADF&G, in cooperation with NSEDC, installed a fixed weir on Nome River to provide daily and seasonal run timing and magnitude estimates for chinook, chum, pink, and coho salmon. The weir count data are also compared with aerial survey totals to improve survey accuracy. Pilgrim River Weir In 1995 and 1996 ADF&G, in cooperation with BLM and Norton Sound Economic Development Corporation (NSEDC) operated a rigid picket weir at the outlet of Salmon Lake to enumerate the spawning population of sockeye salmon in the Salmon Lake/Pilgrim River drainage, and to collect ASL data. The weir counts were also used to "calibrate" aerial survey counts in Salmon Lake and the Grand Central River, and to estimate spawner success through fry/smolt survival with the smolt enumeration project and fall fry hydroacoustic studies.
TOWERS
Chirosky River Tower In 1975 and 1976, a counting tower on the Chirosky River was operated by ADF&G. The purpose of this tower was to determine indices for chinook and chum salmon abundance and run timing for the Unalakleet River. Project personnel enumerated escapement into the Chirosky and provided a base line of data for that river, but the tower was discontinued in 1977 because the site did not reflect escapement for the whole Unalakleet River. Eldorado Tower In 1995, the Kawerak Corporation initiated a counting tower project on the Eldorado River in cooperation with ADF&G, BSFA, Sitnasuak Corporation, and Nome Eskimo. The project provides daily and seasonal run timing and magnitude estimates for chinook, chum, pink, and coho salmon. Kachauvik River Tower In 1977 and 1978, ADF&G operated the Kachauvik tower in the Golovin Subdistrict with the goal of being able to use the project for inseason management. This was not realized

(continued)

TOWERS (Continued)

Kachauvik River Tower (continued)
because (1) the late run timing of the Kachauvik River and (2) a delay in upstream migration of spawners. Consequently, timely escapement information could not be obtained.

Kwiniuk River Tower
Initiated by the Alaska Department of Fish and Game (ADF&G) in 1965, the Kwiniuk River counting tower provides daily and seasonal run timing and magnitude estimates for chinook, chum, and pink salmon. The project also provides age-sex-length information for chinook (rarely) and chum salmon in the Moses Point Subdistrict commercial harvest and Kwiniuk River escapement.

Niukluk River Tower
In 1979, ADF&G operated a tower on the Niukluk River to enumerate migrating chum and pink salmon. The project was reactivated by ADF&G in 1995 in cooperation with NSEDC. The project provides daily and seasonal run timing and magnitude estimates for chinook, chum, pink, and coho salmon, and age-sex-length data.

Nome River Tower
ADF&G operated a counting tower on the Nome River from 1993 to 1995. The project provided daily and seasonal run timing and magnitude estimates for chinook, chum, pink, and coho salmon.

North River Tower
ADF&G operated a counting tower on the North River from 1972 to 1974 and from 1984 to 1986. In 1996, the Kawerak Corporation reactivated the project in cooperation with ADF&G, Norton Sound Economic Development Corporation (NSEDC), and Bering Sea Fishermen's Association (BSFA). The project provides daily and seasonal run timing and magnitude estimates for chinook, chum, pink, and coho salmon.

Nunakogak River Tower
In 1992, the villages of Stebbins and St Michael obtained a grant to enumerate salmon in the Pikmiktalik and Numakogak River. Villagers hoped that information gathered at these sites would support the opening of a commercial fishery in the area. Personnel at this tower enumerated chinook, chum pink and coho salmon escapements. These projects operated in 1992 only.

Pikmiktalik River Tower
In 1992, the villages of Stebbins and St Michael obtained a grant to enumerate salmon in the Pikmiktalik and Numakogak River. Villagers hoped that information gathered at these

(continued)

TOWERS (Continued)

Pikmiktalik River Tower (continued)
sites would support the opening of a commercial fishery in the area. Personnel at this tower enumerated chinook, chum pink and coho salmon escapements. These projects operated in 1992 only.

Pilgrim River Tower
In 1997, the Kawerak Corporation operated a counting tower on Pilgrim River in cooperation with ADF&G, NSEDC, and U.S. Bureau of Land Management (BLM). Daily and seasonal run timing and magnitude estimates were provided for chinook, pink, and coho salmon; counts for chum and sockeye salmon were combined due to speciation problems. The project operated in 1998, but produced no data. The project was operational in 2000 and 2002.

Shaktoolik River Tower
In 1996, ADF&G established a counting tower on the Shaktoolik River to provide daily and seasonal run timing and magnitude estimates for chinook, chum, pink, and coho salmon. The tower count data are also compared with aerial survey totals to improve survey accuracy.

Snake River Tower
In 1995, the Kawerak Corporation established a counting tower on the Snake River in cooperation with ADF&G and BSFA. The project provides daily and seasonal run timing and magnitude estimates for chinook, chum, pink, and coho salmon. A brood stock program is also operated at the site.

Squirrel River Tower
The Squirrel River is a tributary of the Kobuk River. In 1982 and again in 1984, ADF&G operated a counting tower to: 1) evaluate the operational feasibility of a counting tower at this site, 2) evaluate escapement estimates based on aerial surveys by comparison with tower counts, 3) periodically sample the subsistence catch in the Kiana area and gather age, sex, and length data, 4) aid in tag recovery and 5) determine run timing for salmon in the Squirrel River Drainage. This project was discontinued.

Tubutulik River Tower
In 1980, ADF&G operated a tower on the Tubutulik River. The tower was placed approximately 12 miles from the mouth of the River. The purpose of the counting tower was to enumerate pink and chum salmon escapement to determine the proportion of salmon harvested in the Moses Point commercial and subsistence fisheries. The project was discontinued after the first year because the information obtained was not effective for inseason management of the Moses Point fisheries.

(continued)

SONAR

Noatak River Sonar
ADF&G operated a sonar array on the Noatak River from 1981 to 1983 and from 1991 to 1994; project operations were suspended prior to the 1995 season due to staff shortages. The project provided passage estimates for chum salmon, pink salmon and Dolly Varden.

Unalakleet River Sonar
Hydroacoustic counting techniques were used unsuccessfully from 1983 to 1985 in the Unalakleet River. This project utilized side-scan Bendix sonar units.

TEST FISHERIES

Kobuk River Drift Gillnet
In 1993, ADF&G initiated a drift gillnet test fishing project operated in the lower Kobuk. Because of the Kobuk River's tannic stain, test fishing is less susceptible to net avoidance by salmon than in clear water systems. The Kobuk River drift gillnet test fishery is designed to obtain abundance and run timing information for chum salmon.

Noatak River Set Gillnet
In 1975, ADF&G initiated a set gillnet test fishery using two gillnets in the Noatak River to determine abundance and timing; distribution; age, sex, and length data; and describe physical and chemical properties of spawning ground for chum salmon. In 1980, the project was relocated upriver to the same site as the Noatak River sonar project. Set gillnet test fishing was discontinued on the Noatak River in 1984 and was replaced in 1987 with a drift gillnet test fishery in the Noatak River.

Unalakleet River Set Gillnet
In 1981, ADF&G initiated a set gillnet test fishery in the Unalakleet River. Run strength indices and run timing for chinook, chum, coho, and pink salmon are the primary objectives for the ongoing project.

TAGGING

Area M
Tagged salmon were caught from the Area M release in 1960 and 1987 by ADF&G.

(continued)

TAGGING (Continued)

Hooper Bay Mark-Recapture
In 1985, BSFA initiated a one-year mark-recapture project designed to assess migration patterns for fall chum salmon in the Hooper Bay area. Set gillnets were used to capture fall chum salmon for tagging. Information on this project may be obtained by contacting BSFA.

Kotzebue Chum Salmon Tagging
From 1966 to 1968, chum salmon were intercepted and marked with spaghetti tags within the area open to commercial fishing in the Kotzebue area by ADF&G personnel. The Federal Government provided matching funds in 1967 and 1968. The objective of this project was to: 1) ascertain migration routes, 2) obtain annual abundance for the Kotzebue district chum salmon run, 3) proportion the Kotzebue chum salmon run to the Noatak or Kobuk Rivers, 4) determine the migration rates for the area, and 5) obtain information on the movements and distribution of miscellaneous species. This project was revisited in 1981 and 1982. The primary objective in 1981 and 1982 was to more clearly define Kobuk and Noatak River chum salmon stock migratory patterns and timing. The study was also intended to determine the time spent within the commercial fishing district by chum salmon, and the travel time from tagging sites to recovery locations.

Nome/Unalakleet Subdistrict Chum Salmon Mark-Recapture
A Norton Sound stock separation tagging project was initiated in 1978 by ADF&G to determine the streams of origin for chum salmon captured in commercial fisheries in Norton Sound. This project tagged chum salmon in the Nome and Unalakleet commercial fishing subdistricts. Fish were captured using set gillnets at five locations, three locations in the Nome Subdistrict and two locations in the Unalakleet subdistrict. In 1979, the last year of the project, a set gillnet was added in the Shaktoolik commercial subdistrict to capture chum salmon for tagging in that area.

Shaktoolik King and Chum Salmon Tagging
In 1979, ADF&G conducted a one-year tagging project at Shaktoolik on king and chum salmon.

Unalakleet River King and Chum Salmon Mark-Recapture
From 1972 to 1975, ADF&G operated a mark-recapture project in Norton Sound and the Unalakleet River. During the first phase of the tagging project salmon were marked with tags in Norton Sound and the Unalakleet River to determine migration pattern in the Unalakleet commercial fishing area. Marking operations in the Norton Sound were discontinued in 1973 after determination was made that the fish tagged were primarily Unalakleet River stocks. The data obtained by this project in 1974 was lost in a flood at

(continued)

TAGGING (Continued)

Unalakleet River King and Chum Salmon Mark-Recapture (continued)
Nome. The project operated through 1975. The objectives of the project were to determine relative abundance of salmon, run timing, and migration patterns of salmon in the Unalakleet commercial fishing area.

Unalakleet and North Rivers Radio Telemetry Mark-Recapture
The ADF&G Division of Sport Fish conducted a chinook salmon radio tagging and tracking project in 1997 and 1998. This project estimated proportions of the escapement migrating up the mainstem of the Unalakleet River and the North River.

STOCK ENHANCEMENT PROJECTS

Incubation Boxes
Incubation boxes were placed in several streams in the Norton Sound area to enhance the spawning populations of salmon in those streams during the 1990s. No report on the enhancement project is currently available. Information on the incubation boxes may be obtained by contacting ADF&G, Commercial Fisheries in Nome, Alaska.

Lake Fertilization
From 1997 to 2001, ADF&G applied liquid fertilizer to Salmon Lake in an effort to restore sockeye populations to historic levels. This project also obtained limnological and biological data to evaluate the effectiveness of fertilizer applications and estimate of carrying capacity (fry rearing capacity).

AERIAL/GROUND SURVEYS

Aerial Surveys
Annual aerial surveillance of selected salmon spawning streams during both the summer and fall seasons, are conducted for the purpose of monitoring spawner distribution and relative abundance of chinook, chum, and coho salmon throughout the Norton Sound/Kotzebue areas since 1958.

Table 1.10. Genetics projects relating to salmon stocks in the AYK Region.

Project		Reference
Population subdivison		
chinook salmon/statewide/allozymes	1982-1987	Gharrett et al. 1987
	1991-1996	Seeb et al. 1995a
		Crane et al. 1996
chinook salmon/Yukon River/allozymes	1984-1989	Beacham et al. 1989
	1987-1992	Wilmot et al. 1992
chinook salmon/Yukon River/DNA	1993	Cronin et al. 1993
	1995	Scribner et al. 1996
	1996	Beacham et al. 1996
chum salmon/statewide/allozymes	1978-1982	Davis and Olito 1982
	1987-1994	Wilmot et al. 1994
	1991-1995	Seeb et al. 1995b
		Seeb et al. 1997
		Seeb and Crane 1999a
chum salmon/statewide/DNA	1993	Park et al. 1993
chum salmon/Kotzebue Sound/allozymes	1983-1986	Davis and Olito 1986
chum salmon/Yukon River/allozymes	1984-1988	Beacham et al. 1988
	1987-1992	Wilmot et al. 1992
	1994	Taylor et al. 1994
	1987-1997	JTC 1997
chum salmon/Yukon River/allozymes, DNA	1996-1998	Scribner et al. 1998
chum salmon/Yukon River/DNA	1993	Cronin et al. 1993
	1996	Beacham 1996
	1998-1999	Greene submitted
Fishery composition		
chum salmon/South Peninsula	1993-1997	Seeb et al. 1995b
		Seeb et al. 1997
		Seeb and Crane 1999b
	1996-1997	Crane and Seeb 2000
chum salmon/Yukon River	1987-1992	Wilmot et al. 1992
	1992-1997	Spearman and Miller 1997
	1999-current	ADF&G 2000
chinook salmon/Yukon River	1987-1992	Wilmot et al. 1992
chum salmon/Bering Sea	1994-1996	Wilmot et al. 1998
chum salmon/Gulf of Alaska	1998-2000	Urawa et al. 2000

Table 1.11. Remaining tasks for inventory and aggregation of data.

- Overall
  - ✓ Contact Sportfish and Subsistence Divisions, DFO, USFWS, and other fishery agencies for complete listings of historic projects, data format and storage media and location.
  - ✓ Finalize listing of historic projects with years of operation, agency, location, and contact name (include additional information such as species?). Also update with recent projects.
  - ✓ Update publications listing

- Subsistence Harvest and Effort
  - ✓ Complete reference or description of databases particularly the Kuskokwim and Norton Sound/Kotzebue/Port Clarence household inventory databases.
  - ✓ Summarize problems with data.

- Commercial Harvest and Effort
  - ✓ Organize area catch and effort data.
  - ✓ Summarize problems with data.

- Escapement
  - ✓ Update for projects started after 1998.
  - ✓ Update escapement maps for projects begun after 1998.
  - ✓ Problems with escapement data finalized.
  - ✓ Aggregate data collected since 1998.

(continued)

Table 1.11. (page 2 of 2)

- Age-Sex-Length Data
  - ✓ Copy data to CD organized by detailed, summary, area and year.
  - ✓ Missing files[1] - look for missing electronic files to match scale card inventory.

[1] Missing electronic files are those that have not yet been located but may exist.

Table 2.1. Preseason datasets of highest priority listed by surveyed staff. Each '*' represents answers from one surveyed individual.

---

*

- annual commercial harvest summary by species and district for 10-15 years
- annual escapement summary by species and project for entire history
- annual age composition by species for commercial harvest and escapement for previous 10 years

---

*

- historical age composition for at least last 10 years
- brood year run strength (escapement plus harvest)
- run strength of prior years by age for at least past 10 years

---

*

- brood year harvest/escapement, Kuskokwim subdistricts W4 and W5, Goodnews and Kanektok weirs
- ASL of commercial and escapement last 5 years including current year, Kuskokwim subdistricts W4 and W5, Goodnews and Kanektok weirs
- historic commercial harvests, Kuskokwim subdistricts W4 and W5, last 10 years

---

*

- river break-up history
- parent-year escapement and age composition
- previous year age composition

---

*

- river break-up history; late or early
- parent-year escapement and age composition
- previous year age composition

---

*

- total return of a stock including harvest and escapement by age for multiple years
- brood year table (for determining sibling relationships)
- total run information for previous years
- escapement passage data on index streams
- sonar passage data

---

*

- brood year escapement and harvest- historical all years
- spawner-recruit/sibling return- all years
- historical escapement (all), most recent cycles by species

---

*

- Canadian component (SPA, total harvest) of chinook run for previous year and 5 year averages
- brood year age composition (Canada, Tanana)
- subsistence and commercial harvest information (numbers and age composition)

(continued)

Table 2.1. (page 2 of 3).

---

*

- parent year escapements
- age composition data from previous year compared to latest 10 year average
- ocean conditions

---

*

- escapement data, historic, last 10 years
- commercial harvest, last 10 years
- age data last 10 years

---

*

- all brood years available (fall chum and coho)
- performance of summer chum salmon run
- total run reconstruction based on fairly complete coverage of fall chum salmon escapements and population estimates strategically located to cover main branches (Tanana River and Upper Yukon Area).
- Physical data such as snow depth, winter temperatures, tide tables, daily water levels, water temperature
- SPA (last 5 years); overall age structure percentages

---

*

- historic passage estimates at Pilot Station, Lower Yukon Test Fish, Mountain Village, Rampart, US/Canada border, subdistrict 5A, and Tanana Tag Wheels
- escapement estimates for Chandalar, Sheenjek, Fishing Branch, Toklat, and Delta.
- current year summer chum assessment at Pilot Station, Lower Yukon Test Fish, Anvik and Nenana wheels (all years)
- historic harvest all years, each subdistrict: commercial, subsistence and personal use

---

*

- all historic data sets for salmon escapement projects with 10 year and most current year
- all historic subsistence harvest data by village with 10 year average including current year
- brood year age composition by species for escapement projects (all years)
- aerial survey index counts for chinook in Kuskokwim drainages (historic with 10 year average and current year)

---

* (4 individuals)

- brood year information including sex, length, harvest, escapement for past 10 years
- SPA/GSI stock estimates for past 10 years
- historic run reconstruction by species for past 10 years
- physical data including tide tables, water levels, water temperature, winter conditions (snow, temperatures), ocean ice conditions

---

*

- escapement and/or run assessment projects (past 7 years)
- subsistence harvests by households (past 7 years)
- age composition estimates of the run as a whole (past 7 years)

(continued)

Table 2.1. (page 3 of 3).

*

- trends in harvest (numbers and age structure) at least 30 years
- trends in escapement (numbers and age structure) (20 years)
- trends in abundance with environment information that would explain trends and develop predictive models

*

- all historic data sets for salmon escapement projects (10 years and current)
- historical commercial and subsistence harvest data (10 years and most recent)
- ASL data from fisheries and escapement projects
- analysis of management actions taken in previous 10 years and the results of these management actions

Abbreviations used in Table 2.1:
ASL = age, sex and length
GSI = Genetic stock index
SPA = scale pattern analysis

Table 2.2. Inseason (with no commercial fishery) datasets of highest priority listed by surveyed staff.
Each '*' represents answers from one surveyed individual.

---

*

- Bethel Test Fish all previous years by day, cumulative and percent passage
- water levels (daily) for years corresponding to Bethel Test Fish
- escapement (all projects, daily, cumulative and percent passage for all historic data)

---

*

- inseason subsistence harvest by household by day since 1988
- test fish indices by day- historic run timing all years
- escapement numbers by day all projects all years

---

*

- historic run timing data, all available data, Goodnews and Kanetok Rivers
- historic escapement, Goodnews and Kanektok Rivers
- historic aerial survey data, Goodnews and Kanektok drainages

---

*

- escapement numbers for projects compared to 5, 10, 20 year history, includes current year where possible
- subsistence catches by village compared to 5, 10, 20 year history, including the current year where possible
- age composition from projects, compared to 5, 10, 20 year history, including the current year where possible

---

* (2 individuals)

- escapement numbers from towers, weirs or test fish index projects compared to 5, 10, 20 year history; cumulative comparison
- subsistence catches by village projects compared to 5, 10, 20 year history; cumulative comparison
- age composition from projects, compared to 5 and 10 year averages

---

*

- test fish information on a daily basis for all prior years
- historic subsistence harvest data – preferably tracked by day
- sex ratio information of test fish by day and year
- sonar passage data by day by year
- projections of the run daily

---

*

- run assess: test fish and/or sonar compared to historical and in-river run goals
- subsistence harvest and information inseason
- escapement by tributary compared to historical

(continued)

Table 2.2. (page 2 of 3).

---

*

- lower river test fish compared to similar run timing and/or river conditions and Pilot Station- all historic data to compare
- historic subsistence harvest- catch by day, catch-timing curves, historical all years, 5 year, 10 year average
- escapement project historic data all years, 5 year, 10 year averages

---

*

- test fish for current year compared to last 10 years including the current year
- subsistence catch information for current year
- current escapement information if it exists
- current years sonar data compared to historic

---

*

- age data current year/ compared to average of last 5-10
- subsistence catches
- test fish data, current year compared to average

---

*

- projection of run size at Pilot Station to determine harvestable surplus
- information to regulate subsistence, personal and sport fisheries; historic effort data
- run timing and age structure compared to average

---

*

- daily test nets catch and catch rates (10years), (Emmonak, Mountain Village, Kaltag), current compared to historic
- daily sonar counts (Pilot Station, Sheenjek, Chandalar) 10 years, current compared to historic
- daily water levels at various locations on Yukon (10 years), current compared to historic

---

*

- passage assessment – Lower Yukon Test Fish, Mountain Village, Pilot Station, Yukon subdistrict 5a, Rampart, US/Canada border, Tanana tag, Nenana- all years
- escapement by date by year- Chandalar, Sheenjek, Fishing Branch (all)

---

*

- daily Bethel Test Fish data and escapement data with access to historical data
- Kuskokwim River water flow data- current year and historical
- inseason subsistence harvest reports- weekly
- Bethel Test Fish age composition and sex ratio (current year and historical)

---

* (4 individuals)

- Lower Yukon Test Fishery data by day and ASL by day
- all run assessment and escapement projects by day
  subsistence harvest information by village on a qualitative basis but in an organized format as compared to other years
- physical data and instream ice conditions until ice has cleared

---

(continued)

Table 2.2. (page 3 of 3).

---

*

- escapement and/or run assessment projects (weir, tower, index streams, sonar) all historic data
- mainstem sonar projects and mainstem mark/tag projects (all historic data)
- age composition (all historic data)

---

*

- reliable assessment of distribution and abundance of escapement- how much is needed in periods of low productivity
- reliable estimate or projection of available abundance (timing, spatial distribution, and age structure)
- reliable historic and inseason estimate of noncommercial harvests- particularly subsistence. weekly or qualitative survey of harvest patterns needed for large subsistence fisheries

---

*

- daily test fish and escapement data
- frequent evaluation of subsistence harvest
- ASL data from Bethel Test Fish and subsistence catch projects
- ASL data from escapement projects

Abbreviations used in Table 2.2:
ASL = age, sex and length

Table 2.3. Inseason (with commercial fishery) datasets of highest priority listed by surveyed staff.
Each '*' represents answers from one surveyed individual.

---

*

- Bethel Test Fish project: all previous years by day , cumulative and percent passage
- water levels (daily) for years corresponding to Bethel Test Fish project
- escapement (all projects, daily, cumulative and percent passage for all historic data)

---

*

- commercial harvest and effort by period by subdistrict since 1987
- age composition of harvest by district and period since 1987
- estimate of run timing for test fishery and escapement projects- all years
- estimate of run timing inseason using historical timing data (from above)
- inseason subsistence harvest by household by day since 1988
- testfish indices by day- historic run timing all years
- escapement numbers by day all projects all years

---

*

- historic commercial harvest, CPUE, and effort by date, Kuskokwim subdistricts W4 and W5, all available data
- historic escapement, Goodnews and Kanektok River
- historic aerial survey data, Goodnews and Kanektok drainages

---

*

- by district-historical commercial catch and historical CPUE, and catch by period (trend) look at 5-year, 10 year and 20 year averages
- aerial surveys by stream or index area compared to 5, 10, 20 years
- age composition from commercial fishery and projects compared to 5 and 10 year average

---

* (2 individuals)

- by district-historical commercial catch and historical CPUE, and catch by period (trend) look at 5-year, 10 year and 20 year averages
- aerial surveys by stream or index area compared to 5, 10, 20 years
- age composition from commercial fishery and projects compared to 5 and 10 year averages

---

*

- test fish information on a daily basis for all prior years by day
- historic subsistence harvest data on a daily basis for all prior years
- historic commercial harvest data on a daily basis for all prior years
- projections of the run daily

---

*

- run assessment: test fish and/or sonar compared to historical and inriver run goals
- commercial harvest by period and last 10 years/average
- age composition by period by year- 20 years/average

(continued)

Table 2.3. (page 2 of 3).

---

*

- lower river test fish compared to similar run timing and/or river conditions and Pilot Station- all historic data to compare
- historic subsistence harvest- catch by day, catch-timing; historical all years, 5 year, 10 year average
- escapement project historic data all years, 5 year, 10 year average
- historical catch data

---

*

- cumulative test fish information for current year compared to last 10 years and current year
- subsistence catch information for current year
- cumulative catch to date compared to last 10 years + 2000 and effort
- escapement information if exists
- current year sonar compared with historic

---

*

- age data current year/ compared to average of last 5-10 years
- subsistence catches
- test fish data, current year compared to average

---

*

- run size at Pilot Station to indicate the level of harvestable surplus
- CPUE of fleet for periods by district/subdistrict typically participating in a given fishery
- Up-river project data by day that verifies lower river projects taking in account harvests downstream

---

*

- daily commercial catch and catch rates (10 years), current year compared to historic
- daily test nets catch and catch rates (Emmonak, Mountain Village, Kaltag),(10 years), current year compared to historic
- daily sonar counts (Pilot Station, Sheenjek, Chandalar) (10 years), current year compared to historic

---

*

- passage assessment - Lower Yukon Test Fish, Mountain Village, Pilot Station, Yukon subdistrict 5A, Rampart, US/Canada border, Tanana tag, Nenana- all years
- escapement by date by year- Chandalar, Sheenjek, Fishing Branch (all)
- harvest by fishery, by gear, by subdistrict- all historic

---

*

- daily Bethel Test Fish data and escapement data with access to historical data
- Kuskokwim River water flow data- current year and historical
- inseason subs harvest reports- weekly
- Bethel Test Fish age composition and sex ratio (current year and historical)
- commercial catch data (inseason and 10 year average)
- commercial catch age composition and sex ratios (inseason current year and historical)

(continued)

Table 2.3. (page 3 of 3).

---

* (4 individuals)
  - commercial harvest and effort by period by subdistrict by gear
  - Lower Yukon Test Fish data by day and ASL by day
  - all run assessment and escapement projects by day
  - subsistence harvest information by village on a qualitative basis but in an organized format as compared to other years

---

*
  - escapement and/or run assessment projects (past 7 years)
  - subsistence harvests by households (past 7 years)
  - age composition estimates of the run as a whole (past 7 years)

---

*
  - reliable assessment of distribution and abundance of escapement- how much is needed in periods of low productivity
  - accurate harvest numbers and projections of industry trends. future demand?
  - Nutrient and energy cycles and effects on other species

---

*
  - daily test fish and escapement data
  - evaluation of quality of subsistence harvest
  - ready access to historic (catch?) data for comparison to current year trends/CPUE

Abbreviations used in Table 2.3:
ASL = age, sex and length
CPUE = catch per unit effort

Table 2.4. Postseason (with commercial fishery) datasets of highest priority listed by surveyed staff.
Each '*' represents answers from one surveyed individual.

---

*

- escapement (total annual escapement summary for all projects and all years)
- commercial harvest (total annual by district, all years)
- subsistence harvest (total annual by district, all years)

---

*

- summary of commercial periods (harvest, CPUE, effort) for W-4 and W-5
- summary of escapement and run timing Goodnews and Kanektok Rivers
- ASL data for commercial harvests in W-4 and W-5 and ASL data for escapement in Kanektok and Goodnews Rivers

---

*

- age composition of harvest and escapement
- test fish and escapement projects run timing
- distribution of spawners

---

*

- by district- historical catch and CPUE comparisons for 5, 10, 20 year averages
- subsistence surveys by village compared to previous years as above
- aerial surveys by stream or index area compared to 5, 10, and 20 year averages

---

*

- by district- historical catch and CPUE comparisons for 5, 10, 20 year averages
- subsistence surveys by village compared to previous years as above
- aerial surveys by stream or index area compared to 5, 10, and 20 year averages

---

*

- total return of a stock by age for all years
- brood year table
- total run estimate
- escapement information: sonar passage and run projection by day

---

*

- commercial harvest
- subsistence harvest
- escapement
- age composition of above
- stock identification information

---

*

- season catch information
- escapement project numbers
- US/Canada border passage estimates
- Canadian border passage estimates, harvest, escapement

(continued)

Table 2.4. (page 2 of 3).

---

*

- total run estimate (harvest and escapement)
- were subsistence needs met
- age composition data from escapement

---

*

- escapement data
- commercial catch
- subsistence catch

---

*

- finalize run reconstruction from current season, this requires estimates, which may be preliminary, from projects from other agencies
- complete and evaluate run timing at each project
- evaluate escapements compared to targeted biological escapement goals (BEGs), reevaluate biological escapement goals after 5+ years

---

*

- total escapements from each project
- final tabulation of test nets/sonar/commercial harvest
- Canadian escapements and catches

---

*

- harvest by fishery, gear, subdistrict, all years
- river passage estimates-Pilot Station, Rampart, US/Canada border, Tanana
- escapement- Chandalar, Sheenjek, Fishing Branch, Delta, and Toklat

---

*

- escapement data by species and project (current year, 10 years, historical)
- Kuskokwim River water flow data (current year and historical)
- age composition and sex ratio from escapement projects, Bethel Test Fish project and any commercial fishery
- postseason subsistence harvest by village (current year, 10 year average and historical)
- brood year escapement and sex composition (current year, 10 year average and historical)

---

* (4 individuals)

- all escapement data by tributary by day and include ASL and sex ratio data
- subsistence harvest by village by species and if commercial fishing occurred include harvest and effort by period by subdistrict by gear
- stock interception in marine waters where reporting is available and logical to the fishery including age class and sex ratio data

---

*

- escapement and/or run assessment projects (weir, tower, index streams, sonar), current and past 7 years
- subsistence harvest by household, current and past 7 years
- ASL data (current and past 7 years)

(continued)

Table 2.4. (page 3 of 3).

---

*

- run reconstruction; need complete data sets electronically
- escapement and harvest, for as many years as possible
- age structure for as many years as possible
- environmental data to interpret trends: air temperatures, SST, sea ice, and wind direction and speed

---

*

- escapement project data-ASL and numbers/historic comparisons
- subsistence survey data
- relationship of run strength to parent year escapement

Abbreviations used in Table 2.4:
ASL = age, sex and length
BEGs = biological escapement goals
CPUE = catch per unit effort
SST = sea surface temperature

Table 2.5. Data that is currently not available listed according to highest priority by surveyed staff.
Each '*' represents answers from one surveyed individual.

---

*

- AMR summary tables (often project leaders, managers have drafts of these tables on their computers, but they are not available to others until after the AMR is published a year or two after the season
- Kogrukluk River weir escapement data (kept on project leader's computer so not accessible to others)
- inseason ASL data summaries (typically not processed until post-season)
- AMR summary tables
- Commercial harvest and effort data (by date, species and district), on manager's computer
- AMR summary tables ASL data (past year and historic) summaries, not compiled yet or not readily accessible

---

*

- ocean harvest (bycatch) data (stock composition, age composition, harvest numbers)
- estimates of survival by age-all years
- climatic data (SST, temperature data (October -April), snow pack, breakup dates, ice out, and ice cover)
- subsistence harvest age composition
- subsistence CPUE by location or village by day
- hydrologic data
- climatic data (ocean and watershed)

---

*

- age composition data compiled from non-escapement projects, mainly enhancement and bio rehab projects. Few historic samples available from regular projects. e.g. sport fish age composition off Niukluk

---

* (2 individuals)

- water levels at streams from US Geological Survey stations or Fish and Game project data
- stream temperatures from project data

---

*

- brood year tables for projections by age
- run projects by day by year (graphs)
- subsistence catch information from entire drainage

---

*

- age composition by year- harvest and escapement
- sex composition of harvest and escapement by year
- brood year database by species
- subsistence harvest data inseason
- age and sex composition of test fish and sonar projects inseason

---

(continued)

Table 2.5. (page 2 of 3).

*

- historic Canadian information- daily numbers for catch and escapement
- subsistence harvest info- other than tables used in AMR
- water level data for Yukon River. all stations

*

- ASL data not available until late spring
- subsistence information not available until spring
- smolt information
- weight/length data
- subsistence information inseason

*

- ASL data
- Water level data
- Historical weather data
- Subsistence catches

*

- two data sets for AMR and JTC reports
- ASL data for both fall chum and coho by gear and date. Need to know what is available
- development of a summer chum salmon total run reconstruction.
- CPUE data for subsistence harvests
- subsistence data at household level
- need to know 'need' for subsistence use for regulating amount bartered
- keep tract of subsistence opportunity during separate commercial and subsistence periods
- 'need' definition to recognize years of commercial roe fisheries where carcasses where wasted
- historical climate data from projects, e.g. precipitation, snow and temperature year round, ice thickness
- managers need to be able to access database, be able to dump into Excel
- analyze mark-recapture data from various Tanana/Kantishna tagging projects. Design an easier method to enter incoming data and querying results and complete analysis.

*

- Yukon River subsistence harvests, need all historical in a database
- Test and commercial catch rates/sonar/escapements controlled by various staff and in separate spreadsheets

*

- subsistence harvest by species, by date, by gear, by subdistrict by year for entire river
- subsistence calendar inseason, new project
- Tanana tagging, sample size too small
- US/Canada border tagging
- Circle and Beaver fish wheels (CPUE) need more years of data
- Toklat sonar, more years
- Kantishna/Tanana tag estimates, stock identification
- Koyukuk River run assessment index
- subsistence harvest information by statistical week and area

(continued)

Table 2.5. (page 3 of 3).

---

*

- Subsistence harvest data needs to be quantified

---

* (4 individuals)

- many historical tributary monitoring projects do not have associated report thus inability to access data
- ocean intercept and age composition
- annotated bibliography of reports on Yukon salmon conducted by divisions other than commercial fish, sport fish or USFWS offices
- US Geological Survey stream gauge data from the Yukon River and tributaries
- subsistence harvest by village
- increase sample size for identification of *I. hoferi* infection rates
- data from special projects such as chinook telemetry project
- SPA analysis from test/commercial harvest

---

*

- federal managers for the Yukon would like access to inseason data notebook

---

*

- age data on salmon
- environmental information listed above
- test fisheries
- historic trends in age composition or sex ratio
- timing and distribution of the run
- inseason subsistence harvests based on organized structured surveys

---

*

- results of any genetic analysis of interception fisheries, i.e. Shumagin, Area M, Quinhagak; probably not available yet- but could give evidence of run strength prior to arrival in Kuskokwim River
- composition of trawl fleet harvest in areas where Kuskokwim fish are known to migrate

---

Abbreviations used in Table 2.5:
ASL = age, sex and length
AMR = annual management report
JTC = joint technical committee
SPA = scale pattern analysis
SST = sea surface temperature

Table 2.6. Survey responses to Yukon Area data notebook questions.

What information do you use most often?

- inseason projections; median run timing curves
- escapement and harvest by period; test fish and sonar
- test fish run timing quartiles, Pilot Station sonar vs. other projects
- use commercial and escapement data
- run timing quartiles and escapement/passage estimates
- project information by day; commercial stats and LYTF CPUE; passage estimates at Pilot and projection
- test net CPUE (Emmonak, Mountain Village, Kaltag), sonar counts (Pilot Station, Sheenjek, Chandalar)
- passage index project information, some escapement project information such as Chandalar, Sheenjek and Fishing Branch
- historic CPUE, sonar, weir passage estimates, timing, age composition, escapement, commercial catch data
- escapement and subsistence harvest data
- tributary escapement and harvest (commercial and subsistence) information
- run timing, escapement, harvests

What additional information do you need?

- brood year tables for all stocks
- age composition; chinook stock identification information
- comparisons with test fish and pilot to upriver projects
- more detailed age data, weather data, water level data
- escapements and harvests cross-referenced with age/sex data
- mark-recapture tables and models with qualifiers
- catch numbers in addition to CPUE
- has everything
- environmental data, age composition
- federal staff need greater access
- unique or specific information for each year that isn't written down, i.e. unusual winter weather conditions that may effect returns
- qualifying data (snow pack, ice out dates) would be useful

What are the strengths of the notebook?

- electronic
- data in one place, can carry notebook
- quick reference guide, data in one place; easy to find
- everything in one place
- all project information in one resource; only one book
- useful information
- easy to add new projects; can carry hardcopies; most annual data rather than just historical averages- can look at data in different ways
- all data organized in one place
- lots of information which isn't found elsewhere
- compilation of available data
- one stop shopping

(continued)

Table 2.6. (page 2 of 2).

What are the weakness of the notebook?

- too much paper
- needs to be totally electronic, i.e. incorporate inseason data
- bulky; too heavy to carry
- only a quick reference guide
- data errors; lack of useful age data
- some of the Excel files are getting too large, hiding and unhiding columns
- not electronic: bulky, not customizable, mistakes difficult to correct; time consuming to produce
- uncensored data that cannot be shared with public; updates made postseason
- not electronic so can't use in analysis and presentations
- limited access for federal employees
- hard to find some data; errors; not up to date; needs physical data
- hard copy only; difficult to analyze data
- not up to date; errors

Other comments on the data notebook.

- need age composition database, brood year data, sibling return
- make it totally electronic
- separate into most important or used information
- need to correct data errors, add age data, weather and water level data
- footnotes can get lost over time
- data taken out of context
- uneasy about sharing raw data with public
- important to have data centralized so all can have access to same information
- people want more frequent updates
- need to consolidate data before it gets lost
- need easy to access database with data entry and reporting capabilities
- standardize CPUE calculations, need final numbers sooner
- need something like IFDB
- electronic database
- federal agencies need access
- need more useful summaries
- electronic copy

Abbreviations used in Table 2.6:
CPUE = catch per unit effort
IFDB= Region I's Integrated Fisheries Database

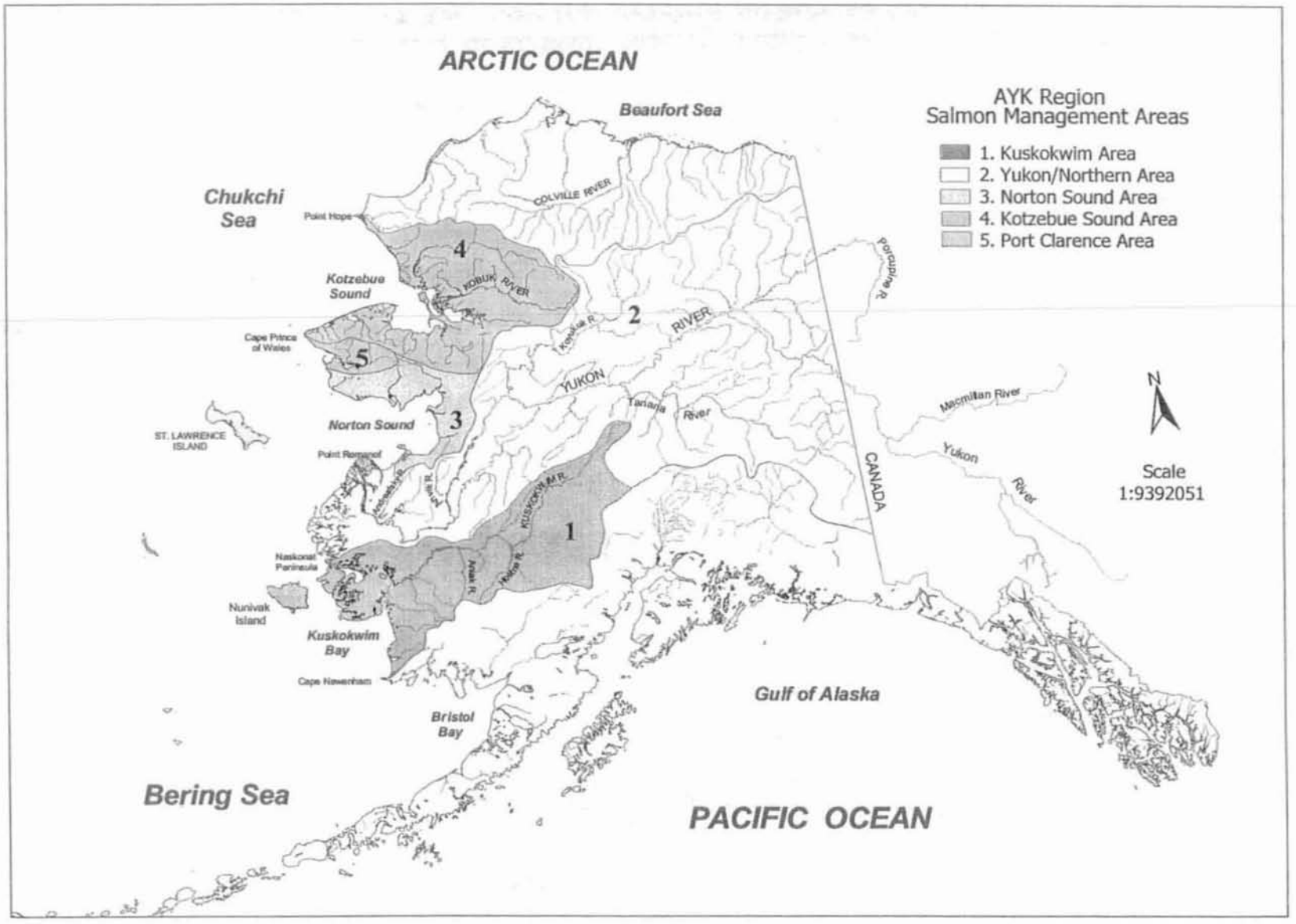

Figure 1.1 AYK Region management areas.

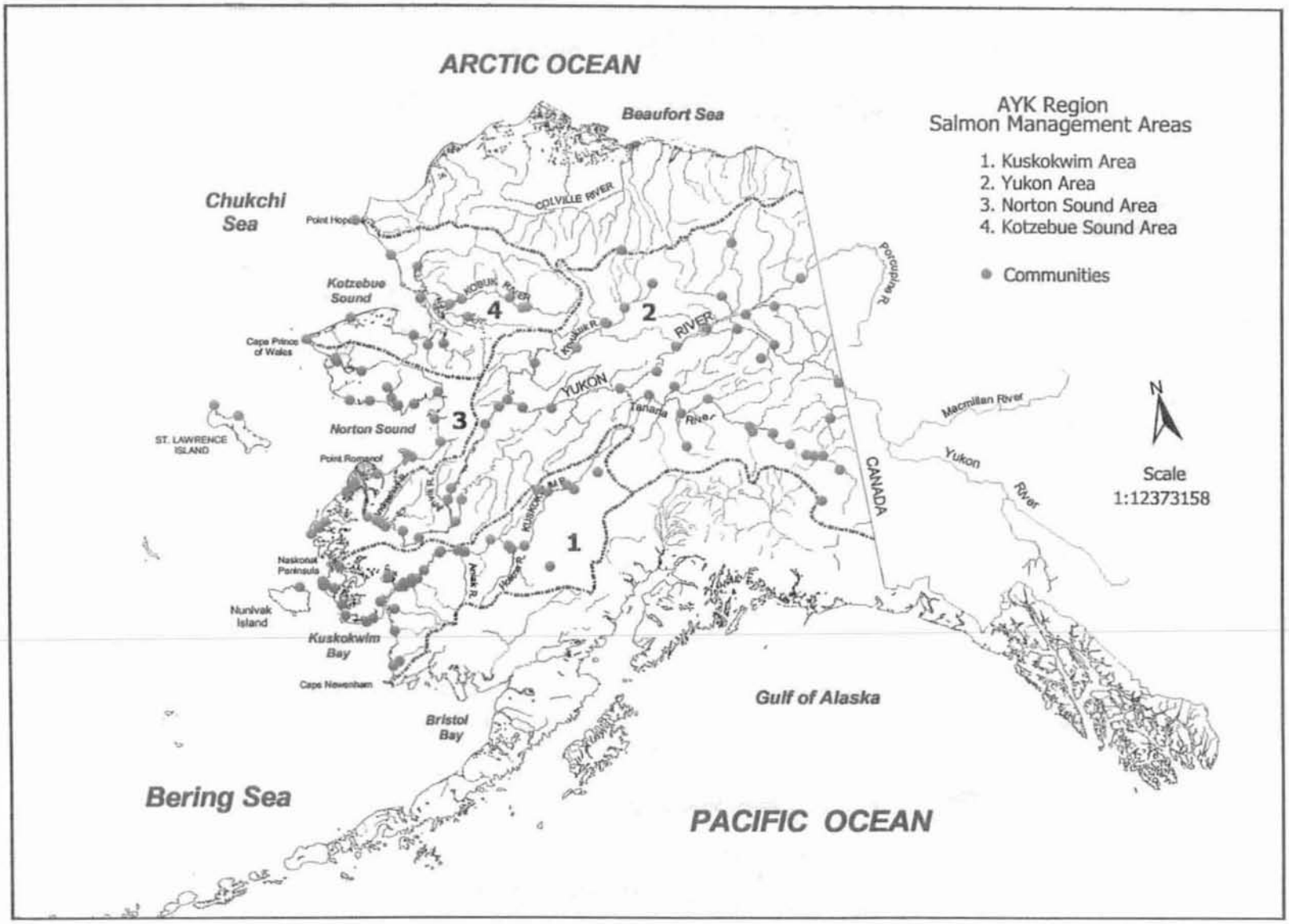

Figure 1.2 Communities in the AYK Region surveyed for subsistence harvest information.

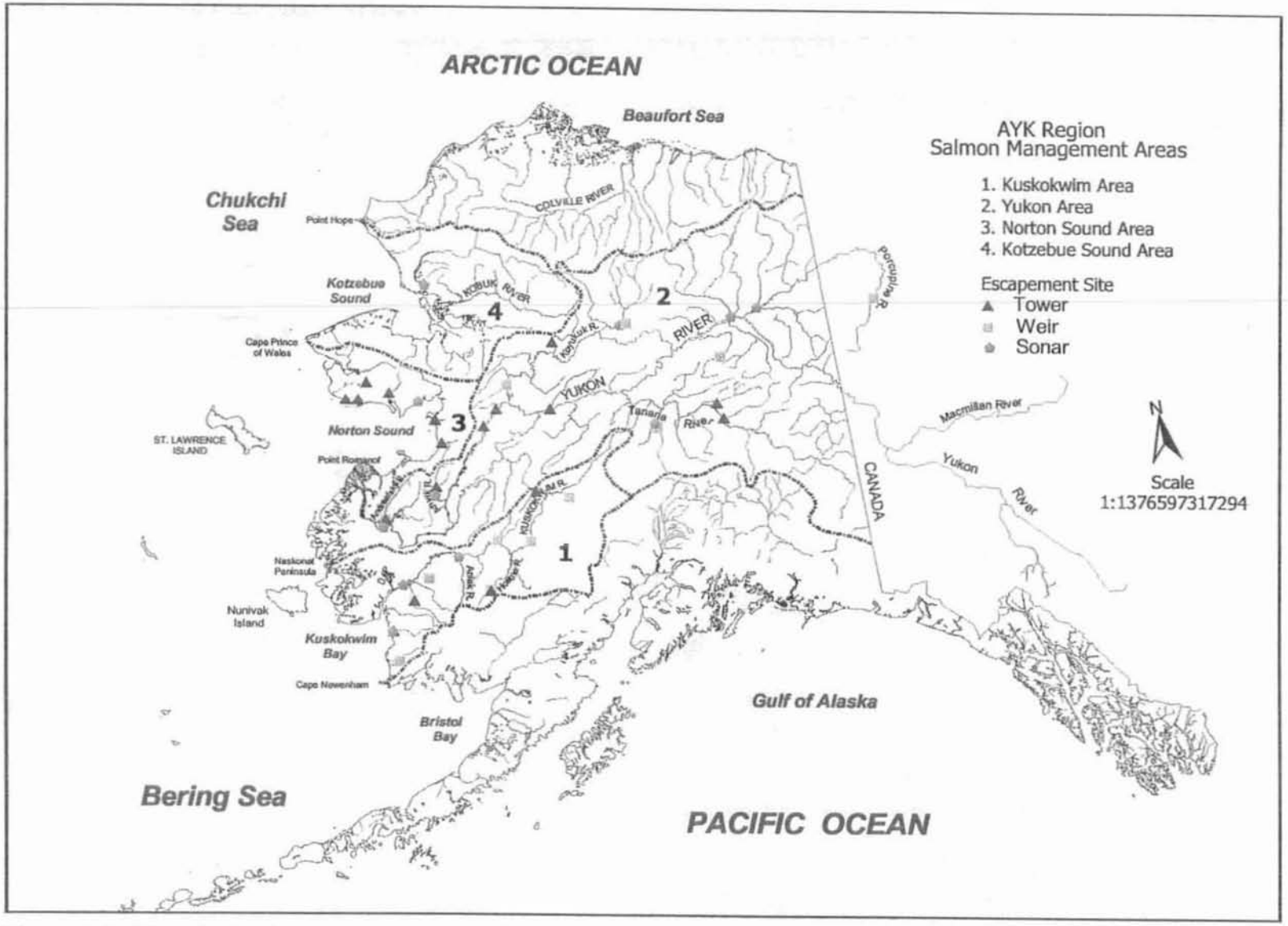

Figure 1.3 Historical salmon escapement project sites in the AYK Region.

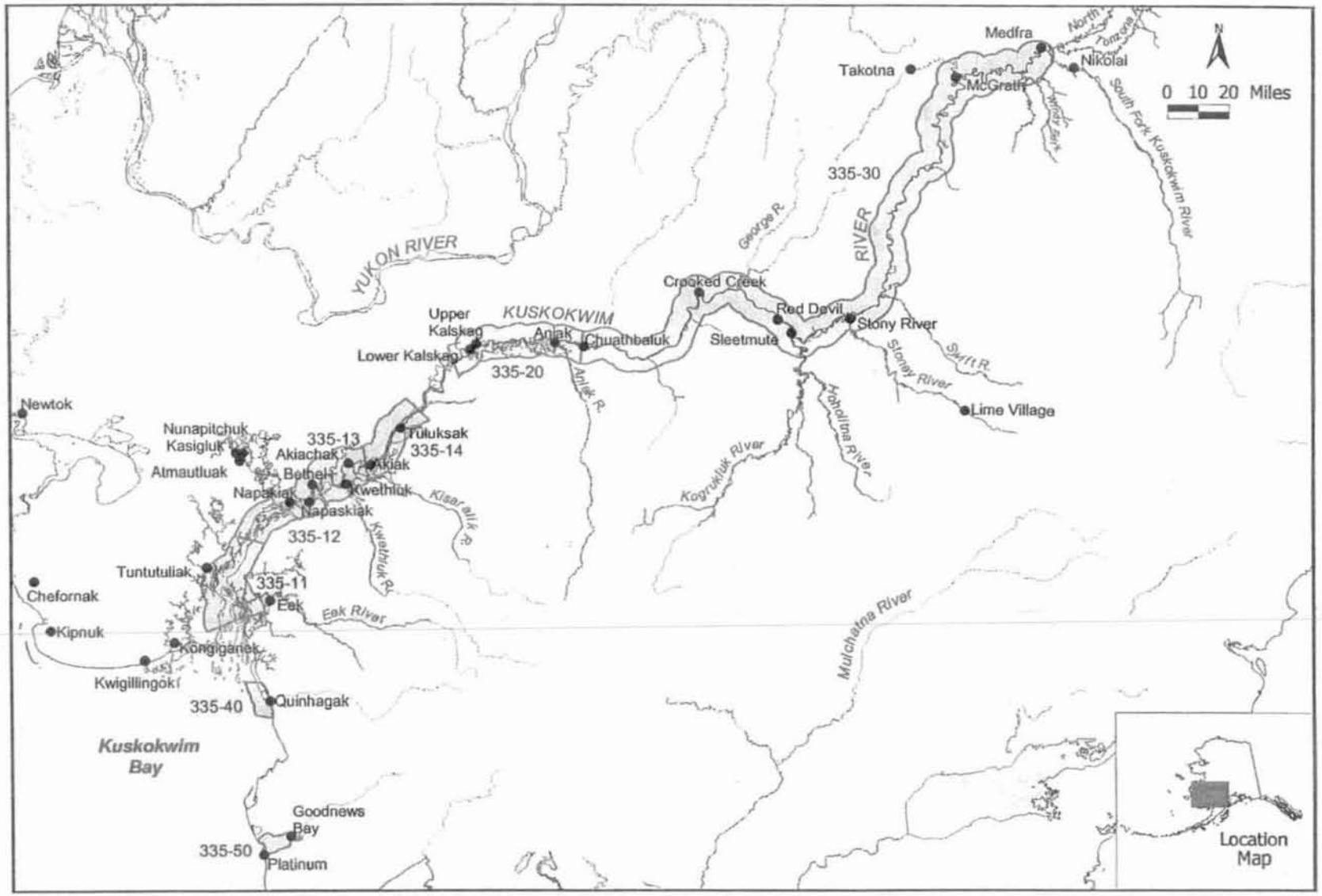

Figure 1.4 Kuskokwim Area Districts.

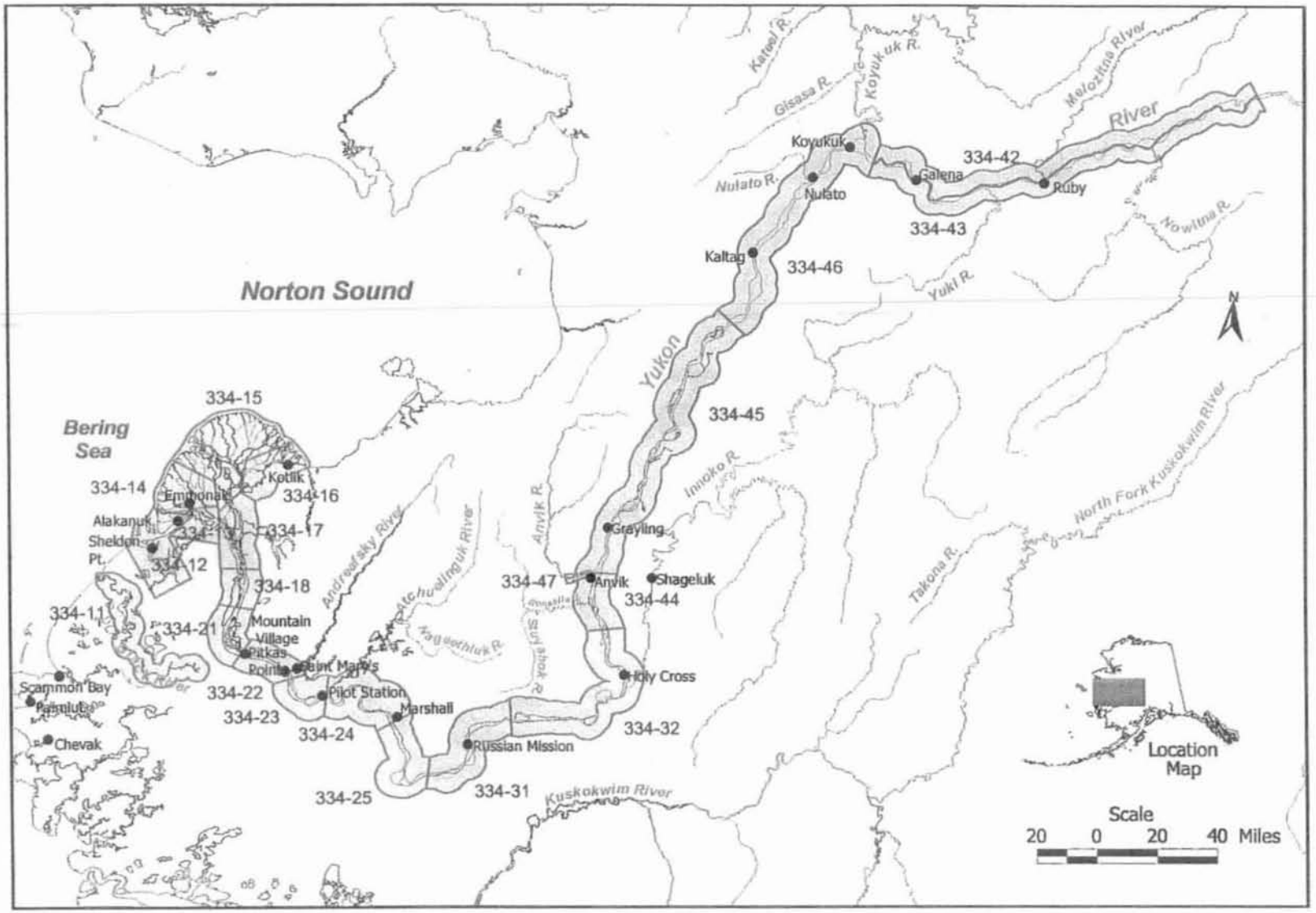

Figure 1.5 Yukon Area Districts 1, 2, 3 and 4.

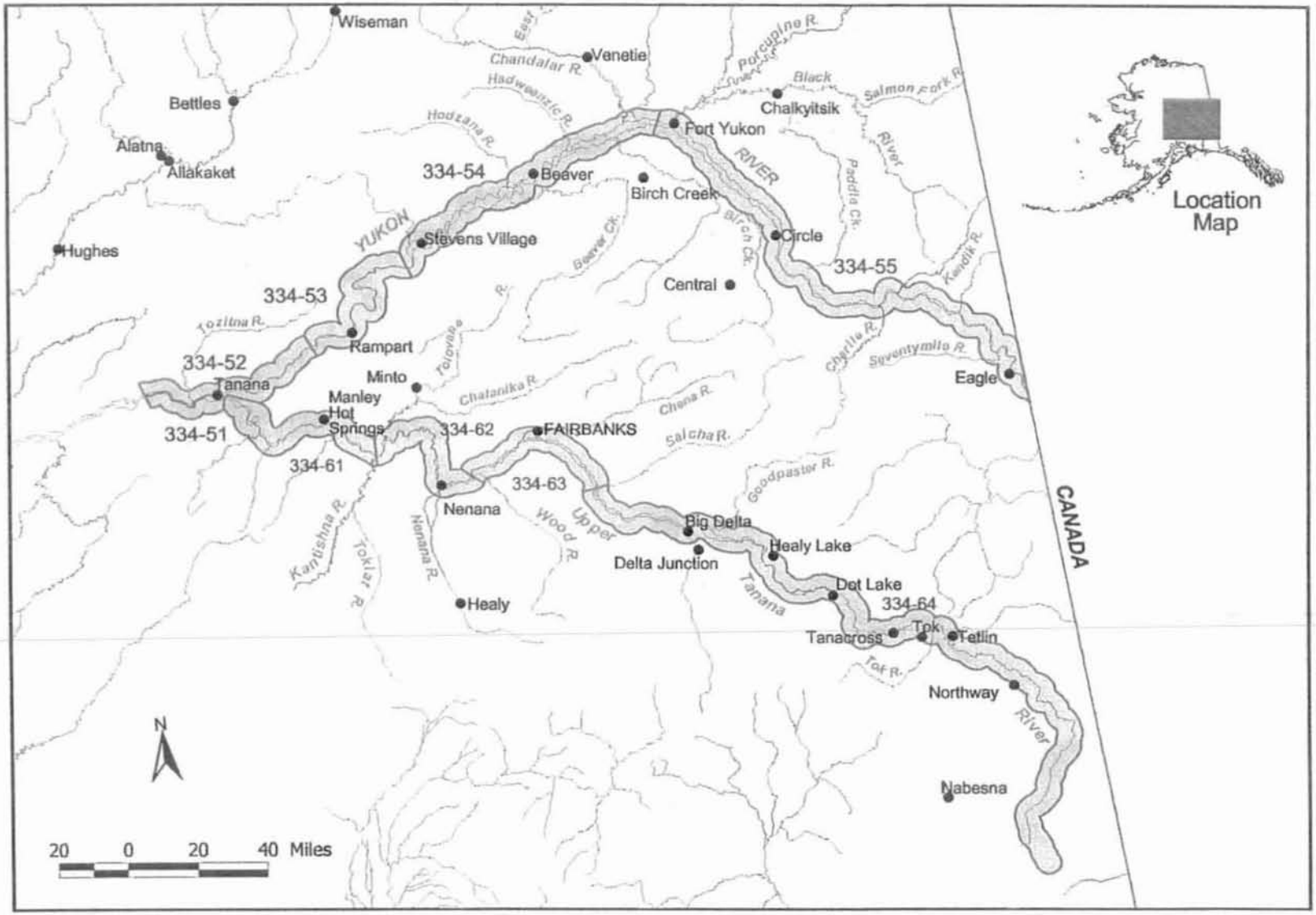

Figure 1.6 Yukon Area Districts 5 and 6.

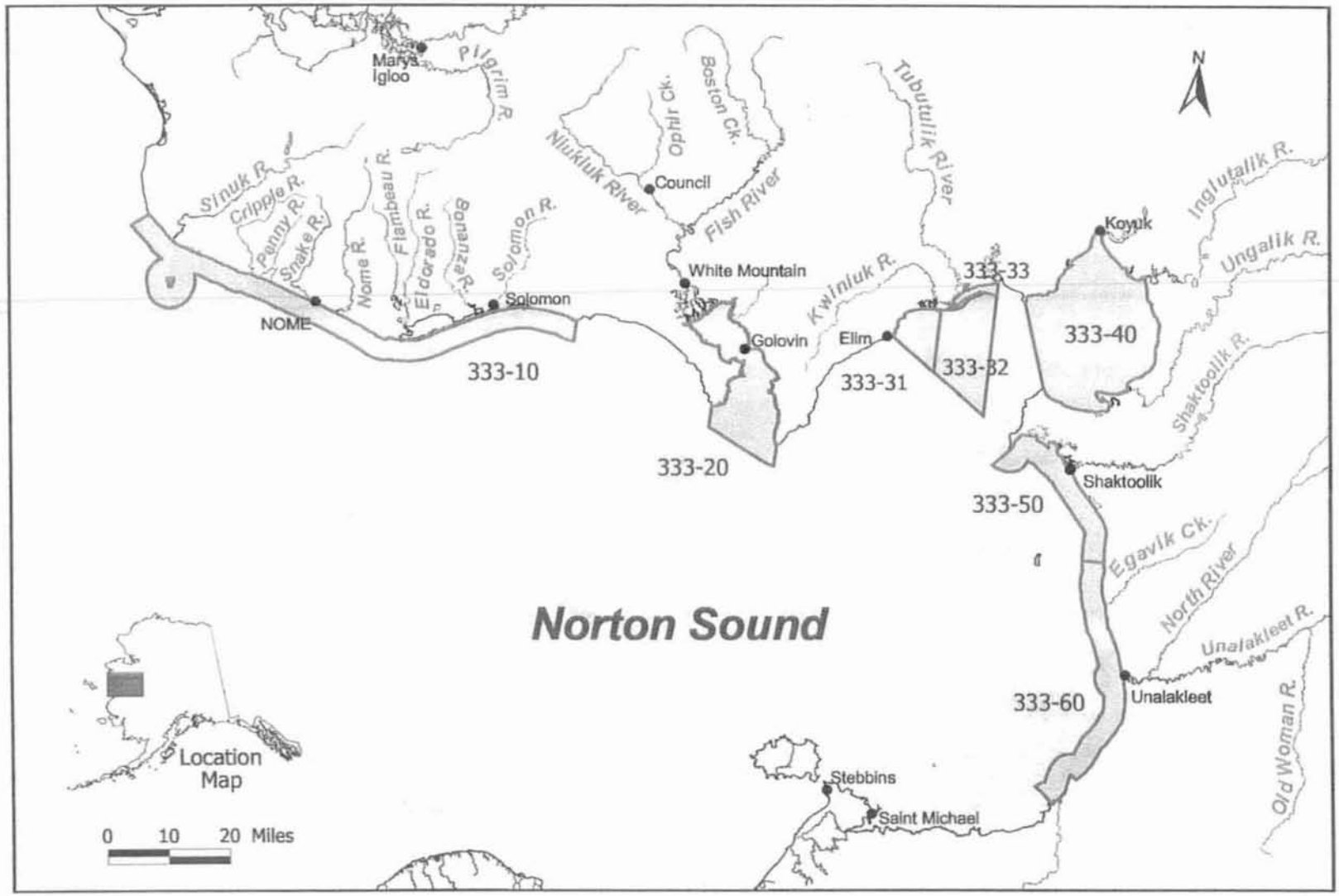

Figure 1.7 Norton Sound District and subdistricts.

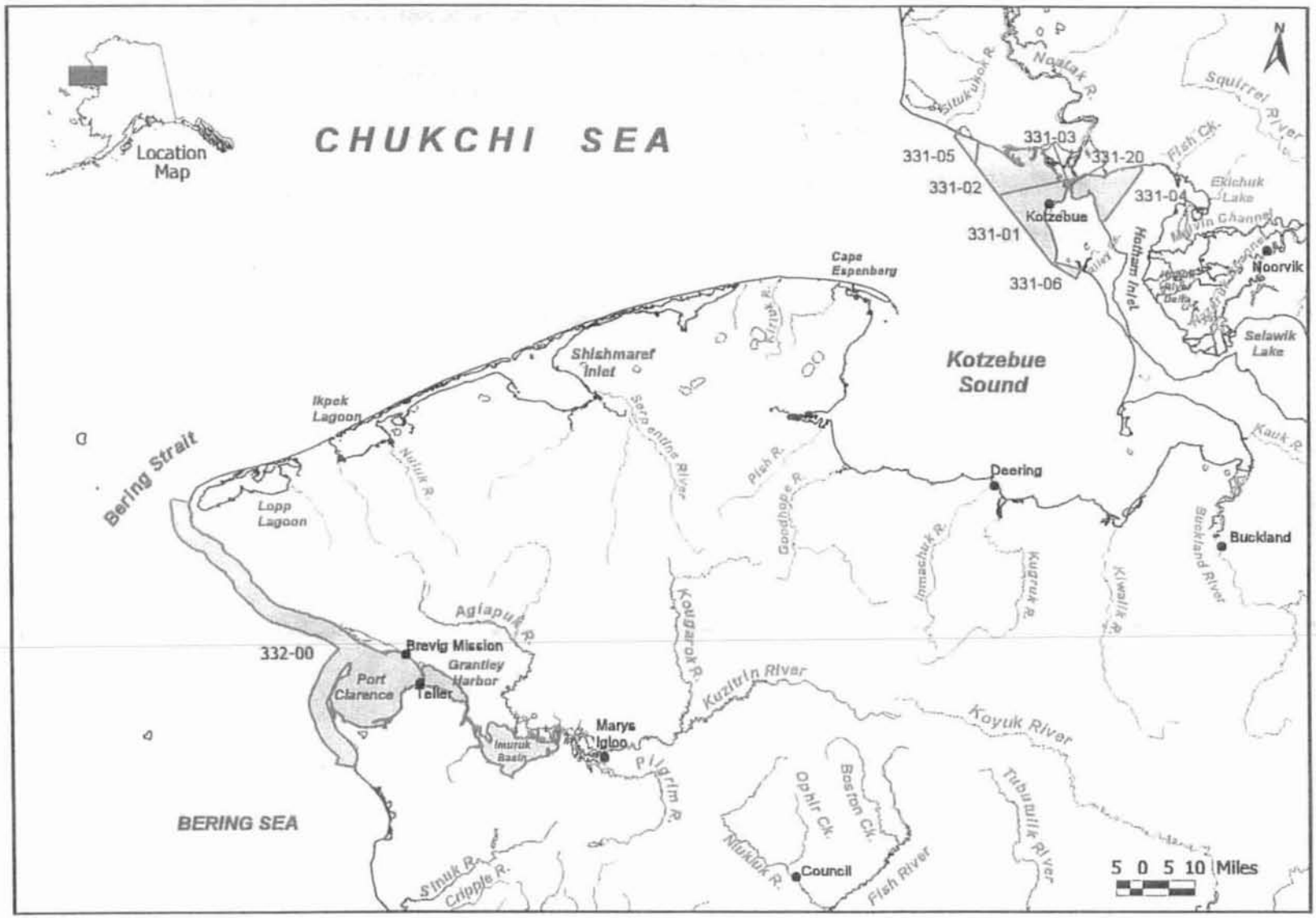

Figure 1.8 Port Clarence and Kotzebue Districts.

Appendix Table 1.A1. Kuskokwim management area commercial salmon summary of fish tickets, 1969-1999.
(page 1 of 1).

Districts 1, 2, 4 and 5 combined.					
Year	Area	Number of Batches	Batch Range	Number of Fish Tickets	Fish Ticket Range
69	W	1	0	7,836	250001-257820, 258000-258009 & 258052-258057
70	W	1	0	6,549	000005-000009, 250001-256534, 275379-275380, 276118, 277131, 278069-278070, 278198, 298668, 298674 & 298680
71	W	1	0	3,577	250001-253577
72	W	1	0	4,957	025420, 250001-254975, 261953, 272325-272326, 272374 & 273449
73	W	1	0	10,912	250001-260975, 279904, 281627, 281722, 282816, 287618-287619 &290245
74	W	1	0	12,450	250001-262443, 277152, 284100, 284102, 284104-284105, 284107 & 284110
75 b	W	48	001-048	7,880	650001-658462
76	W	55	001-055	9,305	650001-659305
77	W	60	001-060	11,115	650001-661115
78	W	61	001-061	12,044	650001-662044
79	W	61	001-061	12,083	650001-662083
80	W	52	001-052	10,216	700001-710216
81	W	66	001-066	13,171	700001-713171
82	W	62	001-062	12,234	700001-712234
83	W	118	001-053, 800-805, 400-429 & 600-629	11,112	700001-707948, 720000-720131, 730000-732128 & 740000-740902
84	W	134	101-164, 201-211, 401-433 & 501-527	15,016	700001-710346, 720001-720283, 730001-733074 & 740001-741313
85	W	89	101-147, 201-207, 401-419 & 501-516	5,693	700001-702782, 720001-720082, 730001-732072 & 740001-740757
86	W	103	101-154, 201-207, 401-423 & 501-519	12,103	700001-708706, 720001-720108, 730001-732388 & 740001-740901
87	W	100	101-168, 201-204, 401-417 & 501-511	13,857	700001-710747, 720001-720101, 730001-732046 & 740001-740963
88	W	127	101-192, 201-206, 401-417 & 501-512	19,655	700001-715219, 720001-720158, 730001-732678 & 740001-741300
89	W	104	101-172, 201-205, 401-416 & 501-511	15,563	700001-711826, 720001-720145, 730001-732463 & 740001-741129
90	W	86	101-148, 201-205, 401-420 & 501-513	13,230	700001-708597, 720001-720169, 730001-733552 & 740001-740912
91	W	85	101-155, 201-204, 401-418 & 501-508	13,478	700001-709785, 720001-720220, 730001-732630 & 740001-740870
92	W	99	101-154, 201-207, 401-426 & 501-512	13,511	700001-708879, 720001-720185, 730001-733329 & 740001-741118
93	W	92	101-142, 201-206, 401-425 & 501-519	11,222	700001-706567, 720001-720146, 730001-733318 & 740001-741191
94	W	96	101-153, 201-206, 401-423 & 501-514	12,987	700001-708781, 720001-720109, 730001-732640 & 740001-741459
95	W	98	101-150, 201-213, 401-423 & 501-512	13,352	700001-708880, 720001-720126, 730001-733317 & 740001-741029
96	W	105	101-158, 201-213, 401-421 & 501-513	11,267	700001-708282, 720001-720056, 730001-732260 & 740001-740669
97	W	77	101-117, 201-202, 401-434 & 501-524	5,810	700001-702358, 720001-720002, 730001-732919 & 740001-740528
98	W	126	101-157, 201, 401-437 & 501-531	8,186	700001-704851, 720001-720003, 730001-732550 & 740001-740782
99	W	48	101-108, 401-420 & 501-520	2,996	700001-700809, 730001-731692 & 740001-740495
				333,367	

a For the years 1969 through 1979 the File Status Report was used to summarize the batch and ticket ranges for those years. Verification of ranges was not possible due to time restraints.

b Review of the archived fish tickets found that it is not possible to use fish tickets to verify the accuracy of the File Status Report for for this year.Ticket batches were archived held together by rubber bands which have deteriorated. Individual tickets

Appendix Table 1.A2. Yukon management area commercial salmon summary of fish tickets, 1969-1999. (page 1 of 2).

Districts 1, 2, 3, 4, 5 and 6 combined.

Year	Area	Number of Batches	Batch Range	Number of Fish Tickets	Fish Ticket Range
69	Y	1	0	7,886	275000-282885 & 427729
70	Y	1	0	8,397	275000-279648, 280000-281397 & 297649-299999
71	Y	1	0	10,635	275001-285635
72	Y	1	0	11,532	027553, 027642, 027700, 027702, 027722, 028548, 179969, 275001-286520, 287000-287003, 290847 & 779999
73	Y	1	0	15,636	255572 & 275001-290636
74	Y	1	0	14,149	275002-289149
75	Y	75	001-075	14,161	750001-764161
76	Y	93	001-093	16,614	750001-766615
77	Y	93	001-093	16,817	750001-766817
78	Y	125	001-107,508, 522-527, 533-535, 542-543, 598, 642, 822, 833-834 & 842-843	21,801	750001-770206, 751439-751600, 754281-754309, 754466-754600, 754801-755200, 755260-755400, 756465-756560, 756670-756686, 756964-757000, 758201-758302, 758487-758547, 768780-768800, 758326-758400, 754310-754400, 756561-756600, 756687-756800, 758303-758325 & 758548-758600
79	Y	105	001-105	20,749	750001-768036 & 768201-770913
80	Y	91	003-093	17,966	800401-815818 & 816001-818548
81	Y	101	003-103	20,086	800401-817781 & 817802-820504
82	Y	127	001-117, 141 & 201-209	17,098	800001-809919, 818001-823292, 828001-828178 & 835001-836709
83	Y	134	001-063, 201-237, 301-302, 350, 425-438, 501-509 & 601-608	18,624	800001-811063, 818001-823507, 828001-828158, 834001-834030, 835001-836242, 84001-840312 & 845001-845312
84	Y	110	001-051, 201-227, 301-305, 401-415, 501-506 & 601-607	13,843	800001-807852, 820001-824252, 830001-830109, 834001-834054, 835001-835933, 840001-840234 & 845001-845409
85	Y	88	101-142, 201-222, 301-304, 401-410, 501-507 & 601-604	12,366	800001-806963, 820001-823288, 830001-830099, 835001-836381, 840001-840278 & 845001-845357
86	Y	97	101-146, 201-229, 301-302, 401-411, 501-504 & 601-605	13,920	800001-807893, 820001-824316, 830001-830054, 835001-836301, 840001-840170 & 845001-845186
87	Y	65	101-131, 201-217, 301-302, 401-412, 501 & 601-602	9,941	800001-805456, 820001-822644, 830001-830037, 835001-836517, 840001-840171 & 845001-845116
88	Y	106	101-151, 201-229, 301-302, 305, 401-415, 501-506 & 601-608	16,814	800001-808556, 820001-824524, 830001-830106, 834001-834009, 835001-837633, 840001-840294 & 845001-845692
89	Y	100	101-144, 201-225, 301-304, 401-414, 501-507 & 601-606	15,979	800001-808049, 820001-824229, 830001-830151, 835001-837616, 840001-840266 & 845001-845668
90	Y	82	101-132, 201-224, 301-305, 401-411, 501-503 & 601-607	8,121	800001-804017, 820001-822382, 830001-830095, 835001-835802, 838001-838282, 840001-840136, 844001-844015 & 845001-845392
91	Y	81	101-138, 201-224, 301-306, 401-406, 501-504 & 601-603	10,606	800001-805678, 820001-822748, 825749-826349, 830001-830183, 835001-835695, 838001-838228, 840001-840151, 844001-844015, & 845001-845307
92	Y	55	101-127, 201-215, 301-303, 401-405, 501-502 & 601-603	6,771	800001-803961, 820001-821719, 830001-830040, 835001-835569, 838001-838209, 840001-840100, 844001-844005 & 845001-845170
93	Y	41	101-120, 201-211, 301-305, 401-402, 501-502 & 601	4,594	800001-802902, 820001-821236, 830001-830026, 835001-835155, 838001-838129, 840001-840076, 844001-844008 & 845001-845063

(continued)

Appendix Table 1.A2. Yukon management area commercial salmon summary of fish tickets, 1969-1999. (page 2 of 2).

Districts 1, 2, 3, 4, 5 and 6 combined.

Year	Area	Number of Batches	Batch Range	Number of Fish Tickets	Fish Ticket Range
94	Y	37	101-119, 201-209, 301-302, 401-404, 501-502 & 601	3,874	800001-802258, 820001-821003, 830001-830012, 835001-835206, 837001-837074, 838001-838084, 840001-840058, 844001-844010 & 845001-845169
95	Y	62	101-132, 201-217, 401-407, 501-504 & 601-602	7,279	800001-803229, 803330-804071, 820001-821930, 835001-835566, 837001-837084, 838001-838307, 840001-840150, 844001-844016 & 845001-845255
96	Y	49	101-124, 201-210, 301, 401-408, 501-504 & 601-602	6,561	800001-803730, 820001-821373, 830001-830013, 835001-835718, 837001-837154, 838001-838213, 840001-840128, 844001-844012 &845001-845220
97 b,c	Y	49	101-129, 201-211, 401-405, 501-504 & 601	5,358	800001-803649, 820001-821185, 835000-835212, 837001-837025, 838001-838085, 84001-840067, 844001-844011 & 845001-845124
98 c	Y	19	101-111, 201-205, 501-502 & 601	2,394	800001-801728, 820001-820631, 840001-840020, 844001-844003 & 845001-845012
99 c	Y	34	101-118, 201-210, 301, 401-402, 501-502 & 601	3,365	800001-802198, 820001-821048, 830001-830013, 838001-838029, 840001-840064, 844001-844006 & 845001-845008
				373,937	

a For the years 1969 through 1979 the File Status Report was used to summarize the batch and ticket ranges for those years. Verification of ranges was not possible due to time restraints.

b Batch 127 and ticket # 820645 were skipped. Neither exist.

c Missing ADF&G test fish sales.

Appendix Table 1.A3. Norton Sound District commercial salmon summary of fish tickets, 1969-1999. (page 1 of 2).

Year	District	Number of Batches	Batch Range	Number of Fish Tickets	Fish Ticket Range
69	Z	1	0	3,320	265000-268098 & 271001-271221
70	Z	1	0	2,770	000014, 265000-267750 & 271665-271682
71	Z	1	0	2,755	265001-267755
72	Z	1	0	2,366	265001-267366
73	Z	1	0	3,400	254605, 256953, 256956, 257805, 260628, 265001-268391, 251569, 271860, 273595 & 288602
74	Z	1	0	3,991	250963, 251014, 251132, 252344, 253410, 257971, 259783, 265001-268982, 277659 & 286465
75	Z	21	001-021	3,723	800001-803723
76	Z	23	001-023	3,394	800001-803394
77	Z	24	001-024	3,903	800001-803903
78	Z	31	001-031	6,168	800001-806168
79	Z	31	001-031	6,030	800001-806030
80	Z	28	009-036	5,455	851601-857055
81	Z	27	009-035	5,388	851601-856988
82 b	Z	29	001-029	5,649	850001-855651
83	Z	97	101-108, 201-213, 301-310, 401-412, 501-524 & 601-630	6,489	875001-875148, 890001-890613, 880001-880921, 870001-870295, 850001-851118, 860001-863384 & 869500-869509
84	Z	85	101-108, 201-214, 301-315, 401-406, 501-519 & 601-623	4,313	850001-850044, 855001-855679, 860001-860591, 865001-865056, 879001-879003, 870001-870574 & 880001-882366
85	Z	76	101-109, 201-212, 301-310, 401-408, 501-514 & 601-623	3,709	850001-850054, 855001-855682, 860002-860400, 865001-865167, 870001-870509 & 880001-881898
86	Z	85	101-106, 201-213, 301-313, 401-410, 501-519 & 601-624	4,088	850001-850062, 855001-855625, 859001-859022, 860001-860618, 864001-864032, 865001-865109, 870001-870617 & 880001-882003
87	Z	59	101-106, 201-210, 301-306, 401-408, 501-512 & 601-617	3,491	850001-850050, 855001-855613, 860001-860432, 865001-865129, 870001-870820 & 880001-881447
88	Z	80	101-105, 201-210, 301-311, 401-409, 501-521 & 601-624	4,829	850001-850014, 855001-855618, 859001-859167, 860001-860606, 864001-864082, 865001-865174, 870001-870895, 880001-882246 & 887001-887027
89	Z	48	101-102, 301, 501-519 & 601-626	2,795	850001-850003, 860001-860031, 870001-870732 & 880001-882029
90	Z	56	201-204, 301-306, 501-518 & 601-628	3,235	855001-855157, 860001-860054, 870001-870819 & 880001-882205
91	Z	45	201-205, 301, 501-516 & 601-623	3,296	855001-855199, 860001-860024, 870001-870845 & 880001-882229
92	Z	52	101-106, 201-208, 301-303, 401-403, 501-513 & 601-619	2,914	850001-850011, 855001-855033, 860001-860047, 865001-865048, 870001-870603 & 880001-882172
93	Z	61	101-104, 201-203, 301-304, 401-404, 501-521 & 601-625	3,683	850001-850007, 855001-855066, 860001-860112, 865001-865101, 870001-871232 & 880001-882165

(continued)

Appendix Table 1.A3. Norton Sound District commercial salmon summary of fish tickets, 1969-1999. (page 2 of 2).

Year	District	Number of Batches	Batch Range	Number of Fish Tickets	Fish Ticket Range
94	Z	66	101-103, 201-210, 301-308, 501-518 & 601-627	3,660	850001-850005, 855001-855101, 860001-860265, 870001-871114 & 880001-882175
95 c	Z	52	101-102, 201-206, 301-308, 501-517 & 601-620	2,525	850001-850008, 855001-855082, 860001-860141, 870001-870703 & 880001-881591
96 d	Z	67	101-102, 201-203, 301-312, 501-523 & 601-628	2,520	850001-850003, 855001-855011, 860001-860249, 870001-870433, 879001-879427, 880001-881202 & 887001-887194
97	Z	44	201-209, 301-303, 401 501-510 & 601-621	1,874	855001-855057, 860001-860082, 860883-860901, 865001-865028, 870001-870366 & 880001-881322
98 e	Z	54	201-203, 301-311, 501-514 & 601-626	2,492	859001-859114, 860001-860043, 864001-864352, 870001-870193, 879001-879470, 880001-881027 & 887001-887294
99 f	Z	25	501-512 & 601-613	715	870001-870197 & 880001-880519
				114,940	

a For the years 1969 through 1979 the File Status Report was used to summarize the batch and ticket ranges for those years. Verification of ranges was not possible due to time restraints.

b Tickets 852601 & 852602 do not exist.

c Batch 202 does not exist.

d Batch 616 does not exist.

e Ticket 870170 does not exist.

f Ticket 870054 does not exist.

Appendix Table 1.A4. Kotzebue Sound District commercial salmon summary of fish tickets, 1969-1999.

Year	District	Number of Batches	Batch Range	Number of Fish Tickets	Fish Ticket Range
69 b	X	1	0	1,003	016689, 267623, & 270000–271000
70	X	1	0	1,665	270000-271664
71 b	X	1	0	1,658	270001-271658
72 b	X	1	0	1,761	270001-271761
73	X	1	0	4,269	270001-274269
74	X	1	0	6,876	270001-274999 & 700001-701877
75	X	39	001-039	7,300	700001-707305
76	X	25	001-025	4,072	700001-704072
77	X	25	001-025	4,628	700001-704628
78	X	22	001-022	4,322	700001-704322
79	X	24	001-024	4,491	700001-704614
80	X	28	002-029	7,478	750201-755678
81	X	35	001-035	6,827	750001-756827
82	X	31	001-031	6,059	750001-756059
83	X	24	001-024	3,112	750001-753112
84	X	32	001-032	4,695	750001-754695
85	X	42	001-041	6,616	750001-756616
86	X	32	001-032	4,632	750001-754632
87	X	18	001-018	2,297	750001-752297
88	X	35	001-035	5,325	750001-755325
89	X	31	001-031	3,565	750001-753565
90	X	22	001-022	2,362	750001-752362
91	X	28	001-028	3,072	750001-753072
92	X	27	001-027	3,049	750001-753049
93	X	13	001-013	919	750001-750919
94	X	27	001-027	1,118	750001-751118
95	X	36	001-036	1,349	750001-751349
96 c	X	21	001-021	365	750001-750366
97 d	X	36	001-037	940	750001-750941
98	X	26	001-026	471	750001-750471
99	X	26	001-026	728	750001-750729
				107,024	

a For the years 1969 through 1979 the File Status Report was used to summarize the batch and ticket ranges for those years. Verification of ranges was not possible due to time restraints.

b All other fish tickets document miscellaneous finfish.

c Error in ticket numbering sequence.

d Error in batch numbering sequence and ticket numbering sequence.

Appendix Table 1.A5. Kuskokwim Area commercial salmon fishery data inventory, 1960-1999. (page 1 of 6).

					Electronic Data [a]		Printed Data [b]			
Year	Dates	Periods	District	Subdistrict	File Name	File Type	Source	Table	Species [c]	Data [d]
1999	6/30, 8/07	1-2	335	10 (11-14)	b.07.xls	Excel	AMR99	Apdx B7/Tab6	1235	cc and cpue by date, # permits, # hours
1999	6/30, 8/07	1-2	335	11	b10-13.xls	Excel	AMR99	Apdx B10	12345	cc by date, # permits, # hours
1999	6/30, 8/07	1-2	335	12	b10-13.xls	Excel	AMR99	Apdx B11	12345	cc by date, # permits, # hours
1999	8/07	2	335	13	b10-13.xls	Excel	AMR99	Apdx B12	12345	cc by date, # permits, # hours
1999	8/07	2	335	14	b10-13.xls	Excel	AMR99	Apdx B13	12345	cc by date, # permits, # hours
1999	6/21-8/18	1-19	335	40	Table 09.doc	Word	AMR99	Table 9	12345	cc and cpue by date, # permits, # hours
1999	7/02-8/25	1-20	335	50	Table 10.doc	Word	AMR99	Table 10	12345	cc and cpue by date, # permits, # hours
1998	6/24-8/29	1-12	335	10 (11-14)	b.07.xls	Excel	AMR99/AMR98	Apdx B7/Tab6	1235	cc and cpue by date, # permits, # hours
1998	6/24-8/29	1-12	335	11	b10-13.xls	Excel	AMR99/AMR98	Apdx B10/Tab21	12345	cc by date, # permits, # hours
1998	6/24-8/29	1-12	335	12	b10-13.xls	Excel	AMR99/AMR98	Apdx B11/Tab22	12345	cc by date, # permits, # hours
1998	6/29-8/29	2-12	335	13	b10-13.xls	Excel	AMR99/AMR98	Apdx B12/Tab23	12345	cc by date, # permits, # hours
1998	6/29-8/29	2-12	335	14	b10-13.xls	Excel	AMR99/AMR98	Apdx B13/Tab24	12345	cc by date, # permits, # hours
1998	8/06	1	335	20	b.08.xls	Excel	AMR99/AMR98	Apdx B8/Tab6	1235	cc and cpue by date, # permits, # hours
1998	6/15-9/07	1-34	335	40			AMR98	Table 9	12345	cc and cpue by date, # permits, # hours
1998	6/30-9/07	1-29	335	50			AMR98	Table 10	12345	cc and cpue by date, # permits, # hours
1997	6/23-8/18	1-5	335	10 (11-14)	b.07.xls	Excel	AMR99/AMR97	Apdx B7/Tab6	1235	cc and cpue by date, # permits, # hours
1997	6/23-8/18	1-5	335	11	b10-13.xls	Excel	AMR99/AMR97	Apdx B10/Tab21	12345	cc by date, # permits, # hours
1997	6/23-8/18	1-5	335	12	b10-13.xls	Excel	AMR99/AMR97	Apdx B11/Tab22	12345	cc by date, # permits, # hours
1997	8/06-8/18	3-5	335	13	b10-13.xls	Excel	AMR99/AMR97	Apdx B12/Tab23	12345	cc by date, # permits, # hours
1997	8/06-8/18	3-5	335	14	b10-13.xls	Excel	AMR99/AMR97	Apdx B13/Tab24	12345	cc by date, # permits, # hours
1997	8/12-18	1-2	335	20	b.08.xls	Excel	AMR99/AMR97	Apdx B8/Tab6	1235	cc and cpue by date, # permits, # hours
1997	6/13-9/03	1-31	335	40			AMR97	Table 9	12345	cc and cpue by date, # permits, # hours
1997	6/27-8/25	1-23	335	50			AMR97	Table 10	12345	cc and cpue by date, # permits, # hours
1996	6/17-8/26	1-21	335	10 (11-14)	b.07.xls	Excel	AMR99/AMR96	Apdx B7/Tab6	1235	cc and cpue by date, # permits, # hours
1996	6/17-8/26	1-21	335	11	b10-13.xls	Excel	AMR99/AMR96	Apdx B10/Tab23	12345	cc by date, # permits, # hours
1996	6/17-8/26	1-21	335	12	b10-13.xls	Excel	AMR99/AMR96	Apdx B11/Tab24	12345	cc by date, # permits, # hours
1996	6/20-8/26	2-21	335	13	b10-13.xls	Excel	AMR99/AMR96	Apdx B12/Tab25	12345	cc by date, # permits, # hours
1996	6/20-8/26	2-21	335	14	b10-13.xls	Excel	AMR99/AMR96	Apdx B13/Tab26	12345	cc by date, # permits, # hours
1996	6/24-8/26	1-17	335	20	b.08.xls	Excel	AMR99/AMR96	Apdx B8/Tab7	1235	cc and cpue by date, # permits, # hours
1996	6/22-8/26	1-27	335	40			AMR96	Table 11	12345	cc and cpue by date, # permits, # hours
1996	6/28-8/26	1-21	335	50			AMR96	Table 12	12345	cc and cpue by date, # permits, # hours
1995	6/22-9/01	1-18	335	10 (11-14)	b.07.xls	Excel	AMR99/AMR95	Apdx B7/Tab13	1235	cc and cpue by date, # permits, # hours
1995	6/22-9/01	1-18	335	11	b10-13.xls	Excel	AMR99/AMR95	Apdx B10/Tab15	12345	cc by date, # permits, # hours
1995	6/22-9/01	1-18	335	12	b10-13.xls	Excel	AMR99/AMR95	Apdx B11/Tab16	12345	cc by date, # permits, # hours
1995	6/26-9/01	2-18	335	13	b10-13.xls	Excel	AMR99/AMR95	Apdx B12/Tab17	12345	cc by date, # permits, # hours
1995	6/26-9/01	2-18	335	14	b10-13.xls	Excel	AMR99/AMR95	Apdx B13/Tab18	12345	cc by date, # permits, # hours
1995	6/26-9/01	1-17	335	20	b.08.xls	Excel	AMR99/AMR95	Apdx B8/Tab14	1235	cc and cpue by date, # permits, # hours
1995	6/13-9/06	1-35	335	40			AMR95	Table 19	12345	cc and cpue by date, # permits, # hours
1995	6/26-9/01	1-25	335	50			AMR95	Table 20	12345	cc and cpue by date, # permits, # hours

(continued)

Appendix Table 1.A5. Kuskokwim Area commercial salmon fishery data inventory, 1960-1999. (page 2 of 6).

					Electronic Data [a]		Printed Data [b]			
Year	Dates	Periods	District	Subdistrict	File Name	File Type	Source	Table	Species [c]	Data [d]
1994	6/24-9/02	1-16	335	10 (11-14)	b.07.xls	Excel	AMR99/AMR94	Apdx B7/Tab15	1235	cc and cpue by date, # permits, # hours
1994	6/24-9/02	1-16	335	11	b10-13.xls	Excel	AMR99/AMR94	Apdx B10/Tab17	12345	cc by date, # permits, # hours
1994	6/24-9/02	1-16	335	12	b10-13.xls	Excel	AMR99/AMR94	Apdx B11/Tab18	12345	cc by date, # permits, # hours
1994	7/14-9/02	2-16	335	13	b10-13.xls	Excel	AMR99/AMR94	Apdx B12/Tab19	12345	cc by date, # permits, # hours
1994	7/14-9/02	2-16	335	14	b10-13.xls	Excel	AMR99/AMR94	Apdx B13/Tab20	12345	cc by date, # permits, # hours
1994	8/04-27	1-8	335	20	b.08.xls	Excel	AMR99/AMR94	Apdx B8/Tab16	1235	cc and cpue by date, # permits, # hours
1994	6/15-9/07	1-32	335	40			AMR94	Table 21	12345	cc and cpue by date, # permits, # hours
1994	6/27-9/07	1-32	335	50			AMR94	Table 20	12345	cc and cpue by date, # permits, # hours
1993	6/25-9/01	1-11	335	10 (11-14)	b.07.xls	Excel	AMR99/AMR93	Apdx B7/Tab15	1235	cc and cpue by date, # permits, # hours
1993	6/25-9/01	1-11	335	11	b10-13.xls	Excel	AMR99/AMR93	Apdx B10/Tab17	12345	cc by date, # permits, # hours
1993	6/25-9/01	1-11	335	12	b10-13.xls	Excel	AMR99/AMR93	Apdx B11/Tab18	12345	cc by date, # permits, # hours
1993	6/31-9/01	2-11	335	13	b10-13.xls	Excel	AMR99/AMR93	Apdx B12/Tab19	12345	cc by date, # permits, # hours
1993	6/31-9/01	2-11	335	14	b10-13.xls	Excel	AMR99/AMR93	Apdx B13/Tab20	12345	cc by date, # permits, # hours
1993	8/06-9/01	1-8	335	20	b.08.xls	Excel	AMR99/AMR93	Apdx B8/Tab16	1235	cc and cpue by date, # permits, # hours
1993	6/14-9/06	1-32	335	40			AMR93	Table 21	12345	cc and cpue by date, # permits, # hours
1993	6/28-9/06	1-28	335	50			AMR93	Table 20	12345	cc and cpue by date, # permits, # hours
1992	6/18-8/31	1-14	335	10 (11-14)	b.07.xls	Excel	AMR99/AMR92	Apdx B7/Tab5	1235	cc and cpue by date, # permits, # hours
1992	6/18-8/31	1-14	335	11	b10-13.xls	Excel	AMR99/AMR92	Apdx B10/Tab10	12345	cc by date, # permits, # hours
1992	6/18-8/31	1-14	335	12	b10-13.xls	Excel	AMR99/AMR92	Apdx B11/Tab11	12345	cc by date, # permits, # hours
1992	6/22-8/31	2-14	335	13	b10-13.xls	Excel	AMR99/AMR92	Apdx B12/Tab12	12345	cc by date, # permits, # hours
1992	6/22-8/31	2-14	335	14	b10-13.xls	Excel	AMR99/AMR92	Apdx B13/Tab13	12345	cc by date, # permits, # hours
1992	6/25-8/31	1-12	335	20	b.08.xls	Excel	AMR99/AMR92	Apdx B8/Tab6	1235	cc and cpue by date, # permits, # hours
1992	6/15-9/07	1-34	335	40			AMR92	Table 7	12345	cc and cpue by date, # permits, # hours
1992	6/22-9/07	1-26	335	50			AMR92	Table 8	12345	cc and cpue by date, # permits, # hours
1991	6/20-8/26	1-16	335	10 (11-14)	b.07.xls	Excel	AMR99/AMR91	Apdx B7/Tab3	1235	cc and cpue by date, # permits, # hours
1991	6/20-8/26	1-16	335	11	b10-13.xls	Excel	AMR99	Apdx B10	12345	cc by date, # permits, # hours
1991	6/20-8/26	1-16	335	12	b10-13.xls	Excel	AMR99	Apdx B11	12345	cc by date, # permits, # hours
1991	6/24-8/26	2-16	335	13	b10-13.xls	Excel	AMR99	Apdx B12	12345	cc by date, # permits, # hours
1991	6/24-8/26	2-16	335	14	b10-13.xls	Excel	AMR99	Apdx B13	12345	cc by date, # permits, # hours
1991	7/01-8/26	1-13	335	20	b.08.xls	Excel	AMR99/AMR91	Apdx B8/Tab10	1235	cc and cpue by date, # permits, # hours
1991	6/13-9/05	1-31	335	40			AMR91	Table 11	12345	cc and cpue by date, # permits, # hours
1991	6/20-9/05	1-27	335	50			AMR91	Table 13	12345	cc and cpue by date, # permits, # hours
1990	6/20-8/27	1-13	335	10 (11-14)	b.07.xls	Excel	AMR99/AMR90	Apdx B7/Tab2	1235	cc and cpue by date, # permits, # hours
1990	6/20-8/27	1-13	335	11	b10-13.xls	Excel	AMR99	Apdx B10	12345	cc by date, # permits, # hours
1990	6/20-8/27	1-13	335	12	b10-13.xls	Excel	AMR99	Apdx B11	12345	cc by date, # permits, # hours
1990	6/25-8/27	2-13	335	13	b10-13.xls	Excel	AMR99	Apdx B12	12345	cc by date, # permits, # hours
1990	6/25-8/27	2-13	335	14	b10-13.xls	Excel	AMR99	Apdx B13	12345	cc by date, # permits, # hours
1990	6/29-8/27	1-10	335	20	b.08.xls	Excel	AMR99/AMR90	Apdx B8/Tab9	1235	cc and cpue by date, # permits, # hours
1990	6/14-9/07	1-30	335	40			AMR90	Table 10	12345	cc and cpue by date, # fishermen, # hours
1990	6/20-9/07	1-28	335	50			AMR90	Table 12	12345	cc and cpue by date, # fishermen, # hours

(continued)

Appendix Table 1.A5. Kuskokwim Area commercial salmon fishery data inventory, 1960-1999. (page 3 of 6).

					Electronic Data [a]		Printed Data [b]			
Year	Dates	Periods	District	Subdistrict	File Name	File Type	Source	Table	Species [c]	Data [d]
1989	6/19-9/01	1-21	335	10	b.07.xls	Excel	AMR99/AMR89	Apdx B7/Tab7	1235	cc and cpue by date, # permits, # hours
1989	6/30-8/18	1-8	335	20	b.08.xls	Excel	AMR99/AMR89	Apdx B8/Tab8	1235	cc and cpue by date, # permits, # hours
1989	6/15-9/08	1-29	335	40			AMR89	Table 9	12345	cc and cpue by date, # fishermen, # hours
1989	6/19-9/08	1-28	335	50			AMR89	Table 10	12345	cc and cpue by date, # fishermen, # hours
1988	6/16-8/31	1-23	335	10	b.07.xls	Excel	AMR99/AMR88	Apdx B7/Tab4	1235	cc and cpue by date, # permits, # hours
1988	6/24-8/20	1-9	335	20	b.08.xls	Excel	AMR99/AMR88	Apdx B8/Tab5	1235	cc and cpue by date, # permits, # hours
1988	6/13-9/09	1-32	335	40			AMR88	Table 6	12345	cc and cpue by date, # fishermen, # hours
1988	6/16-9/09	1-30	335	50			AMR88	Table 7	12345	cc and cpue by date, # fishermen, # hours
1987	6/18-9/07	1-18	335	10	b.07.xls	Excel	AMR99/AMR87	Apdx B7/Tab4	1235	cc and cpue by date, # permits, # hours
1987	7/03-8/21	1-6	335	20	b.08.xls	Excel	AMR99/AMR87	Apdx B8/Tab5	1235	cc and cpue by date, # permits, # hours
1987	6/18-9/07	1-19	335	40			AMR87	Table 6	12345	cc and cpue by date, # fishermen, # hours
1987	6/18-9/07	1-21	335	50			AMR87	Table 7	12345	cc and cpue by date, # fishermen, # hours
1986	6/26-9/01	1-15	335	10	b.07.xls	Excel	AMR99/AMR86	Apdx B7/Tab11	1235	cc and cpue by date, # permits, # hours
1986	6/26-8/21	1-11	335	20	b.08.xls	Excel	AMR99/AMR86	Apdx B8/Tab12	1235	cc and cpue by date, # permits, # hours
1986	6/12-9/08	1-29	335	40			AMR85-86	Table 13	12345	cc and cpue by date, # fishermen, # hours
1986	6/19-9/08	1-30	335	50			AMR85-86	Table 14	12345	cc and cpue by date, # fishermen, # hours
1985	6/20-8/29	1-14	335	10	b.07.xls	Excel	AMR99/AMR85-86	Apdx B7/Tab4	1235	cc and cpue by date, # permits, # hours
1985	6/20-8/15	1-8	335	20	b.08.xls	Excel	AMR99/AMR85-86	Apdx B8/Tab5	1235	cc and cpue by date, # permits, # hours
1985	6/20-9/06	1-23	335	40			AMR85-86	Table 6	12345	cc and cpue by date, # fishermen, # hours
1985	6/20-9/06	1-30	335	50			AMR85-86	Table 7	12345	cc and cpue by date, # fishermen, # hours
1984	6/18-9/06	1-21	335	10	b.07.xls	Excel	AMR99/AMR84	Apdx B7/Tab14	1235	cc and cpue by date, # permits, # hours, r-u mesh by period
1984	6/21-8/23	1-12	335	20	b.08.xls	Excel	AMR99/AMR84	Apdx B8/Tab15	1235	cc and cpue by date, # permits, # hours, r-u mesh by period
1984	6/18-9/07	1-33	335	40			AMR84	Table 16	12345	cc and cpue by date, # fishermen, # hours
1984	6/18-9/07	1-31	335	50			AMR84	Table 18	12345	cc and cpue by date, # fishermen, # hours
1983	6/13-8/26	1-17	335	10	b.07.xls	Excel	AMR99/AMR83	Apdx B7/Tab7	1235	cc and cpue by date, # permits, # hours, r-u mesh by period
1983	6/16-8/18	1-7	335	20	b.08.xls	Excel	AMR99/AMR83	Apdx B8/Tab8	1235	cc and cpue by date, # permits, # hours, r-u mesh by period
1983	6/13-9/08	1-28	335	40			AMR83	Table 13	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period
1983	6/13-9/08	1-28	335	50			AMR83	Table 15	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period
1982	6/14-8/30	1-20	335	10	b.07.xls	Excel	AMR99/AMR82	Apdx B7/Tab7	1235	cc and cpue by date, # permits, # hours, r-u mesh by period
1982	6/17-8/19	1-8	335	20	b.08.xls	Excel	AMR99/AMR82	Apdx B8/Tab8	1235	cc and cpue by date, # permits, # hours, r-u mesh by period
1982	6/17-9/07	1-34	335	40			AMR82	Table 10	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period
1982	6/17-9/08	1-34	335	50			AMR82	Table 11	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period
1981	6/14-8/30	1-17	335	10	b.07.xls	Excel	AMR99/AMR81	Apdx B7/Tab7	1235	cc and cpue by date, # permits, # hours, r-u mesh by period
1981	6/16-8/20	1-5	335	20	b.08.xls	Excel	AMR99/AMR81	Apdx B8/Tab8	1235	cc and cpue by date, # permits, # hours, r-u mesh by period
1981	6/15-9/07	1-33	335	40			AMR81	Table 11	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period
1981	6/15-9/07	1-34	335	50			AMR81	Table 12	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period

(continued)

Appendix Table 1.A5. Kuskokwim Area commercial salmon fishery data inventory, 1960-1999. (page 4 of 6).

					Electronic Data [a]		Printed Data [b]			
Year	Dates	Periods	District	Subdistrict	File Name	File Type	Source	Table	Species [c]	Data [d]
1980	6/12-8/28	1-14	335	10	b.07.xls	Excel	AMR99/AMR80	Apdx B7/Tab9	1235	cc and cpue by date, # permits, # hours, r-u mesh by period
1980	6/12-8/28	1-14	335	11			AMR80	Tab10	12345	cc by date, # fishermen, # hours; 1, 3, and 5 cpue by period, 1/5/3 season
1980	6/12-8/28	1-14	335	12			AMR80	Tab11	12345	cc by date, # fishermen, # hours; 1, 3, and 5 cpue by period, 1/5/3 season
1980	6/23-8/14	1-3	335	20	b.08.xls	Excel	AMR99/AMR80	Apdx B8/Tab12	1235	cc and cpue by date, # permits, # hours, r-u mesh by period
1980	6/12-9/06	1-36	335	40			AMR80	Table 15	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period
1980	6/12-9/06	1-38	335	50			AMR80	Table 16	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period
1979	6/11-8/30	1-16	335	10	b.07.xls	Excel	AMR99/AMR79	Apdx B7/Tab10	1235	cc and cpue by date, # permits, # hours, r-u mesh by period
1979	6/11-8/30	1-16	335	11			AMR79	Tab11	12345	cc by date, # fishermen, # hours; 1, 3, and 5 cpue by period, 1/5/3 season
1979	6/11-8/30	1-16	335	12			AMR79	Tab12	12345	cc by date, # fishermen, # hours; 1, 3, and 5 cpue by period, 1/5/3 season
1979	6/21-8/13	1-3	335	20	b.08.xls	Excel	AMR99/AMR79	Apdx B8/Tab13	1235	cc and cpue by date, # permits, # hours, r-u mesh by period
1979	6/11-9/07	1-36	335	40			AMR79	Table 16	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period
1979	6/11-9/07	1-36	335	50			AMR79	Table 17	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period
1978	6/09-8/29	1-20	335	10	b.07.xls	Excel	AMR99/AMR78	Apdx B7/Tab10	1235	cc and cpue by date, # permits, # hours, r-u mesh by period
1978	6/09-8/29	1-20	335	11			AMR78	Table 11	12345	cc by date, # fishermen, # hours; 1, 3, and 5 cpue by period, 1/5/3 season
1978	6/09-8/29	1-20	335	12			AMR78	Table 12	12345	cc by date, # fishermen, # hours; 1, 3, and 5 cpue by period, 1/3 season
1978	6/14-8/22	1-6	335	20	b.08.xls	Excel	AMR99/AMR78	Apdx B8/Tab13	1235	cc and cpue by date, # permits, # hours, r-u mesh by period
1978	6/12-9/08	1-37	335	40			AMR78	Table 16	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period
1978	6/12-9/08	1-36	335	50			AMR78	Table 17	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period
1977	6/15-8/29	1-14	335	10	b.07.xls	Excel	AMR99/AMR77	Apdx B7/Tab10	1235	cc and cpue by period, # permits, # hours, r-u mesh by period
1977	6/15-8/29	1-14	335	11			AMR77	Table 11	12345	cc by date, # fishermen, # hours; 1, 3, and 5 cpue by period, 1/5/3 season
1977	6/15-8/29	1-14	335	12			AMR77	Table 12	12345	cc by date, # fishermen, # hours; 1, 3, and 5 cpue by period, 1/5/3 season
1977	6/20-8/08	1-3	335	20	b.08.xls	Excel	AMR99/AMR77	Apdx B8/Tab13	1235	cc and cpue by period, # permits, # hours, r-u mesh by period
1977	6/16-9/07	1-27	335	40			AMR77	Table 16	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period
1977	6/16-8/30	1-24	335	50			AMR77	Table 17	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period
1976	6/17-8/31	1-12	335	10	b.07.xls	Excel	AMR99/AMR76	Apdx B7/Tab10	1235	cc and cpue by period, # permits, # hours, r-u mesh by period
1976	6/17-8/31	1-12	335	11			AMR76	Table 11	12345	cc by date, # fishermen, # hours; 1, 3, and 5 cpue by period, 1/3 season
1976	6/17-8/31	1-12	335	12			AMR76	Table 12	12345	cc by date, # fishermen, # hours; 1, 3, and 5 cpue by period, 1/3 season
1976	6/21-8/25	1-2	335	20	b.08.xls	Excel	AMR99/AMR76	Apdx B8/Tab13	1235	cc and cpue by period, # permits, # hours, r-u mesh by period
1976	6/21-8/30	1-27	335	40			AMR76	Table 16	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period
1976	6/21-9/07	1-32	335	50			AMR76	Table 18	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period
1975	6/16-8/27	1-13	335	10	b.07.xls	Excel	AMR99/AMR75	Apdx B7/Tab11A	1235	cc and cpue by period, # permits, # hours, r-u mesh by period
1975	6/16-8/27	1-13	335	11			AMR75	Table 11B	12345	cc by date, # fishermen, # hours; 1, 3, and 5 cpue by period, 1/5/3 season
1975	6/16-8/27	1-13	335	12			AMR75	Table 11C	12345	cc by date, # fishermen, # hours; 1, 3, and 5 cpue by period, 1/5/3 season
1975	6/23-27	1	335	20	b.08.xls	Excel	AMR99/AMR75	Apdx B8/Tab13	1235	cc and cpue by period, # permits, # hours, r-u mesh by period
1975	6/23-8/26	1-24	335	40			AMR75	Table 16	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period
1975	6/23-8/26	1-24	335	50			AMR75	Table 17	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period

(continued)

Appendix Table 1.A5. Kuskokwim Area commercial salmon fishery data inventory, 1960-1999. (page 5 of 6).

					Electronic Data [a]		Printed Data [b]			
Year	Dates	Periods	District	Subdistrict	File Name	File Type	Source	Table	Species [c]	Data [d]
1974	6/10-9/05	1-14	335	10	b.07.xls	Excel	AMR99/AMR74	Apdx B7/Tab8	1235	cc and cpue by period, # permits, # hours, r-u mesh by period
1974	6/10-9/05	1-14	335	11			AMR74	Table 9	12345	cc by date, # fishermen, # hours; 1, 2, and 5 cpue by period, 1/5/3 season
1974	6/10-9/05	1-9	335	12			AMR74	Table 10	12345	cc by date, # fishermen, # hours; 1, 2, and 5 cpue by period, 1/5/3 season
1974	6/10-8/13	1-4	335	20	b.08.xls	Excel	AMR99/AMR74	Apdx B8/Tab11	1235	cc and cpue by period, # permits, # hours, r-u mesh by period
1974	6/24-9/04	1-30	335	40			AMR74	Table 14	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period
1974	6/24-9/05	1-30	335	50			AMR74	Table 15	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period
1973	6/07-9/10	1-16	335	10			AMR 73	Table 8A	12345	cc by date, # fishermen, # hours; 1, 3 and 5 cpue by period, 1/5/3 season
1973	6/07-8/23	1-13	335	11			AMR 73	Table 8B	12345	cc by date, # fishermen, # hours; 1, 3 and 5 cpue by period, 1/5/3 season
1973	6/07-9/10	1-11	335	12			AMR 73	Table 8C	12345	cc by date, # fishermen, # hours; 1, 3 and 5 cpue by period, 1/3 season
1973	6/11-6/29	1-3	335	20			AMR 73	Table 9	15	cc by date, # fishermen, # hours, 1 and 5 cpue by period
1973	6/18-9/07	1-28	335	40			AMR 73	Table 12	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period
1973	6/18-8/18	1-24	335	50			AMR 73	Table 13	12345	cc by date, # fishermen, # hours; 1, 2, 3 and 5 cpue by period
1972	6/15-9/01	1-14	335	10			AMR 72	Table 8A	12345	cc by date, # fishermen, # hours, 1/5/3 season
1972	6/15-8/25	1-13	335	11			AMR 72	Table 8B	12345	cc by date, # fishermen, # hours, 1/5/3 season
1972	6/15-9/01	1-9	335	12			AMR 72	Table 8C	12345	cc by date, # fishermen, # hours, 1/5/3 season
1972	6/20-7/06	1-3	335	20			AMR 72	Table 9	125	cc by date, # fishermen, # hours
1972	6/26-8/06	1-16	335	40			AMR 72	Table 12	12345	cc by date, # fishermen, # hours
1972	7/13-8/24	1-8	335	50			AMR 72	Table 13	12345	cc by date, # fishermen, # hours
1971	6/14-9/03	1-16	335	10			AMR 71	Table 8	1235	cc by date, # fishermen, # hours; 1, 3 and 5 cpue by period, 1/5/3 season
1971	6/14-6/30	1-3	335	20			AMR 71	Table 9	125	cc by date, # fishermen, # hours
1971	7/01-8/30	1-6	335	40			AMR 71	Table 12	12345	cc by date, # fishermen, # hours
1971	7/06-9/04	1-3	335	50			AMR 71	Table 13	1235	cc by date, # fishermen, # hours
1970	6/04-9/04	1-9	335	10			AMR 70	Table 8	12345	cc by date, # fishermen, # hours, 1 and 3 cpue by period, 1/3 season
1970	6/09-8/28	1-5	335	20			AMR 70	Table 9	1235	cc by date, # fishermen, 1/3 season
1970	6/22-9/05	1-14	335	40			AMR 70	Table 13	12345	cc by date, # fishermen, # hours
1970	7/15-8/29	1-28	335	50			AMR 70	Table 14	12345	cc by date, # fishermen, # hours
1969	6/05-6/20	1-5	335	10			AMR 69	Table 8	125	cc by date, # boats, # hours, 1 cpue by period
1969	8/01-9/09	1-7	335	10			AMR 69	Table 11	1235	cc by date, # boats, # hours, 3 cpue by period
1969	6/05-7/01	1-5	335	20			AMR 69	Table 10	1	cc by date, # boats, # hours, cpue by period
1969	8/14-9/12	1-5	335	20			AMR 69	Table 12	3	cc by date, # boats, # hours, cpue by period
1969	6/23-9/6	1-23	335	40			AMR 69	Table 15	12345	cc by date, # boats, # hours, cpue by period
1969	6/12-8/25	1-29	335	50			AMR 69	Table 16	12345	cc by date, # boats, # hours, cpue by period
1968	6/06-6/25	1-6	335	10			AMR 68	Table 6	1	cc and cpue by date, # boats, # hours
1968	8/01-9/03	1-6	335	10			AMR 68	Table 7	135	cc by date, # boats, # hours, 3 cpue
1968	6/18-8/23	1-13	335	40			AMR 68	Table 8	12345	cc and cpue by date, # boats, # hours
1968	8/20-9/16	1-5	335	50			AMR 68	Table 9	3	and cpue by date, # boats, # hours

(continued)

Appendix Table 1.A5. Kuskokwim Area commercial salmon fishery data inventory, 1960-1999. (page 6 of 6).

					Electronic Data [a]		Printed Data [b]			
Year	Dates	Periods	District	Subdistrict	File Name	File Type	Source	Table	Species [c]	Data [d]
1967	6/01-6/23	1-7	335	10			AMR 67	Table 3	1	cc by date, cpue by period, weight by period, # boats, # hours
1967	8/01-9/01	1-5	335	10			AMR 67	Table 6	135	cc by date, # boats, # hours, 3 cpue
1967	6/05-6/30	1-4	335	20			AMR 67	Table 5	1	cc by date, # boats, # hours
1967	8/07-8/30	1-4	335	20			AMR 67	Table 7	3	cc and cpue by date, # boats, # hours
1967	6/01-9/07	1-18	335	40			AMR 67	Table 8	235	cc by date, # boats, # hours, combined species cpue
1966	6/13-6/28	1-5	335	10			AMR 66	Table 5	1	cc and cpue by date, # boats, # hours, actual time of period
1966	8/08-8/26	1-3	335	10			AMR 66	Table 9	3	cc and cpue by date, # boats, # hours, actual time of period
1966	6/20-7/01	1-2	335	20			AMR 66	Table 6	1	cc by date, # boats, # hours, actual time of period
1966	8/09-8/31	1-4	335	20			AMR 66	Table 10	3	cc and cpue by date, # boats, # hours, actual time of period
1966	7/08-7/23	1-4	335	40			AMR 66	Table 7	1245	cc by date, # boats, # hours, combined species cpue, acutal time of period
1965	6/07-6/22		335	10			AMR 65	Table 5	1	cc and cpue by date, # boats, # hours
1965	8/08-8/26		335	10			AMR 65	Table 9	3	cc and cpue by date, # boats, # hours
1965	6/15-6/24		335	20			AMR 65	Table 6	1	cc and cpue by date, # boats, # hours
1965	8/09-8/31		335	20			AMR 65	Table 10	3	cc and cpue by date, # boats, # hours
1965	7/08-7/23		335	40			AMR 65	Table 7	125	cc by date, # boats, # hours, 1 cpue, combined species cpue
1964	6/15-6/26		335	10			AMR 64	Table 5	1	cc and cpue by date, # boats, # hours
1964	8/04-8/26		335	10			AMR 64	Table 8	3	cc and cpue by date, # boats, # hours
1964	6/22-7/01		335	20			AMR 64	Table 6	1	cc and cpue by date, # boats, # hours
1964	8/05-8/21		335	20			AMR 64	Table 10	3	cc and cpue by date, # boats, # hours
1964	6/17-7/31		335	40			AMR 64	Table 7	12345	cc by date, # boats, # hours, 1 cpue, combined species cpue
1963	6/03-6/29		335	10			AMR 63	Table 19	1	cc and cpue by date, # boats, # hours
1963	8/01-8/30		335	10			AMR 63	Table 21	3	cc and cpue by date, # boats, # hours
1963	6/11-6/21		335	20			AMR 63	Table 20	1	cc and cpue by date, # boats, # hours
1963	6/14-7/12		335	40			AMR 63	Table 22	1	cc and cpue by date, # boats, # hours
1962	6/11-6/20		335	10			AMR 62	Table II	1	cc by day, # fishermen, #hours, cpue
1962	6/11-7/02		335	20			AMR 62	Table III	1	cc by day, #hours
1962	6/25-7/23		335	40			AMR 62	Table V	1245	cc by date, # fishermen, # hours, cpue small salmon, 1 cpue
1961	6/01-6/28	1-5	335	10			AMR 61	Table XVIII	1	cc by date, # hours, actual time of period
1961	6/12-7/31		335	40			AMR 61	Table XXV	12345	cc by date
1960			335	10			AMR 60	Table V	1	cc by day, # fishermen, cpue
1960			335	20			AMR 60	Table V	1	cc by day, # fishermen, cpue
1960			335	20			AMR 60	Table VI	1	cc by day, # fishermen, cpue
1960			335	30			AMR 60	Table V	1	cc by day, # fishermen, cpue
1960	7/08-8/20		335	40			AMR 60	Table 1	25	cc and cpue by date, # fishermen

[a] Electronic files listed are from the 1999 Kuskokwim Area Annual Management Report. Earlier electronic files may be available.
[b] Sources are the Annual Management Report (AMR) series for the Kuskokwim Area 1975-present, and the AMR report series for the AYK Region 1960-1974.
[c] Species code: 1-chinook, 2-sockeye, 3-coho, 4-pink, 5-chum.
[d] When two printed data sources are listed data refers to the first source listed. Restricted-unrestricted is r-u. Numbers refer to species code.

Appendix Table 1.A6. Commercial salmon data inventory for the Yukon River summer and fall seasons, 1980-1999.

				Electronic Data		Printed Data [a]		
Year	Season	District	Subdistrict	File Name	File Type	Source	Species [b]	Data [c]
1980-99	summer	334	10	sscombk	Excel	YRSSDN	1	cc by period
1980-99	summer	334	10	sscombk	Excel	YRSSDN	5s	cc by period
1980-99	summer	334	10, 20	sscombk	Excel	YRSSDN	1	cc by period, Districts 1 and 2 combined
1980-99	summer	334	10, 20	sscombk	Excel	YRSSDN	5s	cc by period, Districts 1 and 2 combined
1980-99	summer	334	20	sscombk	Excel	YRSSDN	1	cc by period,Y2 Fishing District
1980-99	summer	334	20	sscombk	Excel	YRSSDN	5s	cc by period. District 2
1980-99	summer	334	30	sscombk	Excel	YRSSDN	1	cc by period, Y3 District
1980-99	summer	334	30	sscombk	Excel	YRSSDN	5s	cc by period,Y3 District
1980-99	summer	334	40	sscombk	Excel	YRSSDN	1	cc by period, Districts 4B and 4C
1980-99	summer	334	40	sscombk	Excel	YRSSDN	5s	cc by period, District 4A
1980-99	summer	334	40	sscombk	Excel	YRSSDN	5s	cc by period, District 4BC
1980-99	summer	334	50	sscombk	Excel	YRSSDN	1	cc by period, Districts 5A, 5B, and 5C
1980-99	summer	334	50	sscombk	Excel	YRSSDN	1	cc by period, District 5D
1980-99	summer	334	50	sscombk	Excel	YRSSDN	5s	Total commercial removal by period, Y5 District
1980-99	summer	334	60	sscombk	Excel	YRSSDN	1	cc by period, Y6 District
1980-99	summer	334	60	sscombk	Excel	YRSSDN	5s	cc by period, Y6 District
1980-99	fall	334				AMR	1	commercial sales, estimate harvest by area, district, country
1980-99	fall	334	10	FCHUM	Excel	YAFSDN	5f	cc by period
1980-99	fall	334	10	COHO1	Excel	YAFSDN	3	cc information by period
1980-99	fall	334	20	FCHUM2	Excel	YAFSDN	5f	cc information by period
1980-99	fall	334	20	COHO2	Excel	YAFSDN	3	cc information by period
1980-99	fall	334	30	FCHUM3	Excel	YAFSDN	5f	cc by period
1980-99	fall	334	30	COHO3	Excel	YAFSDN	3	cc information by period
1980-99	fall	334	40	FCHUM4	Excel	YAFSDN	5f	cc information by period, Subdistricts 4B and 4C combined
1980-99	fall	334	40	COHO4BC	Excel	YAFSDN	3	cc information by period, Subdistricts 4B and 4C combined
1980-99	fall	334	50	FCHUM5	Excel	YAFSDN	5f	cc information by period, Subdistricts 5A, 5B, and 5C
1980-99	fall	334	50	FCHUM5	Excel	YAFSDN	5f	cc information by period, Subdistrict 5A
1980-99	fall	334	50	FCHUM5	Excel	YAFSDN	5f	cc information by period, Subdistricts 5B and 5C
1980-99	fall	334	50	FCHUM5D	Excel	YAFSDN	5f	cc information by period, Subdistrict 5D
1980-99	fall	334	50	COHO5ABC	Excel	YAFSDN	3	cc information by period, Subdistricts5A, 5B, 5C Combined
1980-99	fall	334	50	COHO5D	Excel	YAFSDN	3	cc information by period, Subdistrict 5D
1980-99	fall	334	60	FCHUM6	Excel	YAFSDN	5f	cc information by period, Subdistricts 6A, 6B, 6C combined
1980-99	fall	334	60	COHO6	Excel	YAFSDN	3	cc information by period, Subdistricts 6A, 6B, 6C combined
1980-99	fall	334		FALLCHUM	Excel	YAFSDN	5f	cc by district, Yukon Area

a YRSSDN is the 1999 Yukon River Summer Season Data Notebook. YAFSND is the 1999 Yukon River Summer Season Data Notebook.
b Species codes: 1-chinook, 3-coho, 5s-summer chum, 5f-fall chum.
c Includes period, times, hours fished, number of fishermen, numbers, and estimated harvest.

Appendix Table 1.A7. Norton Sound District commercial salmon fishery data inventory, 1962-1999. (page 1 of 6).

					Electronic Data		Printed Data [a]			
Year	Dates	Periods	District	Subdistrict	File Name	File Type	Source	Table	Species [b]	Data
1999	7/2-9/4	1 - 15	333	50	cetab~99	Excel	CER 99	A 1	135	period cc and cpue
1999	7/2-9/4	1 - 15	333	60	cetab~99	Excel	CER 99	A 2	135	period cc and cpue
1998	7/18-7/24	*1-7	333	20	AppendixA98	Excel	CER 98	A 1	1345	period cc and cpue, *target species pink
1998	8/1-8/4	*1-2	333	20	AppendixA98	Excel	CER 98	A 1	34	period cc and cpue, *target species coho
1998	6/18-6/19	*1	333	30	AppendixA98	Excel	CER 98	A 2	1	period cc and cpue, *target species king
1998	7/1-7/24	*1-25	333	30	AppendixA98	Excel	CER 98	A 2	1345	period cc and cpue, *target species pink
1998	8/3-8/13	*2-6	333	30	AppendixA98	Excel	CER 98	A 2	135	period cc and cpue, *target species coho
1998	6/15-6/26	*1-3	333	50	AppendixA98	Excel	CER 98	A 3	15	period cc and cpue, *target species king
1998	6/28-7/24	*1-27	333	50	AppendixA98	Excel	CER 98	A 3	1345	period cc and cpue, *target species pink
1998	7/27-8/31	*4-23	333	50	AppendixA98	Excel	CER 98	A 3	135	period cc and cpue, *target species coho
1998	6/15-6/27	*1-3	333	60	AppendixA98	Excel	CER 98	A 4	15	period cc and cpue, *target species king
1998	6/28-7/24	*1-27	333	60	AppendixA98	Excel	CER 98	A 4	1345	period cc and cpue, *target species pink
1998	7/27-9/5	*6-17	333	60	AppendixA98	Excel	CER 98	A 4	135	period cc and cpue, *target species coho
1997	6/21 - 8/6	1 - 8	333	20	CE97_apxA	Excel	CER 97	A 1	12345	cc and effort by period
1997	6/18-8/13	1 - 4	333	30	CE97_apxA	Excel	CER 97	A 2	135	cc and effort by period
1997	6/25-6/26	1	333	40	CE97_apxA	Excel	CER 97	A 3	15	cc and effort by period
1997	6/12-8/23	1 - 12	333	50	CE97_apxA	Excel	CER 97	A 4	1345	cc and effort by period
1997	6/12-8/23	1 - 19	333	60	CE97_apxA	Excel	CER 97	A 5	1235	cc and effort by period
1996	8/5-8/30	*1-8	333	10	Appendix_A	Excel	CER 96	A 1	345	cc and effort by period; *only periods 1 + 6 fished
1996	8/5-8/30	*1-8	333	20	Appendix_A	Excel	CER 96	A 2	3	cc and effort by period; *only periods 2, 3 + 5 fished
1996	7/7-8/24	*1-13	333	30	Appendix_A	Excel	CER 96	A 3	134	cc and effort by period, *target species pink (1-8) and coho
1996	6/13-9/10	1 - 31	333	50	Appendix_A	Excel	CER 96	A 4	12345	cc and effort by period
1996	6/13-9/10	1 - 31	333	60	Appendix_A	Excel	CER 96	A 5	1345	cc and effort by period
1995	8/3-8/22	1-6	333	10	Ce_atba1	Lotus	CER 95	A 1	235	cc and effort by period
1995	7/17-8/26	1-13	333	20	Ce_atba2	Lotus	CER 95	A 2	345	cc and effort by period
1995	7/17-8/26	1-13	333	30	Ce_atba3	Lotus	CER 95	A 3	12345	cc and effort by period
1995	6/12-8/26	1-20	333	50	Ce_atba4	Lotus	CER 95	A 4	12345	cc and effort by period
1995	6/12-8/26	1-20	333	60	Ce_atba5	Lotus	CER 95	A 5	12345	cc and effort by period
1994	8/1-8/30	1-9	333	10	Ce_atba1	Lotus	CER 94	A 1	235	cc and effort by period
1994	8/1-9/7	1-30	333	20	Ce_atba2	Lotus	CER 94	A 2	35	cc and effort by period
1994	7/25-9/17	1-32	333	30	Ce_atba3	Lotus	CER 94	A 3	35	cc and effort by period
1994	6/20-9/17	1-50	333	50	Ce_atba4	Lotus	CER 94	A 4	12345	cc and effort by period
1994	6/20-9/17	1-50	333	60	Ce_atba5	Lotus	CER 94	A 5	12345	cc and effort by period
1993	8/2-8/31	1-9	333	10	saltbl4	Lotus	AMR 93	Tab 4	235	period cc and cpue
1993	7/13-7/23	1-3	333	20	saltbl5	Lotus	AMR 93	Tab 5	12345	period cc and cpue
1993	8/6-8/27	1-4	333	30	saltbl6	Lotus	AMR 93	Tab 6	1235	period cc and cpue
1993	6/17-7/5	1-4	333	40	saltbl7	Lotus	AMR 93	Tab 7	14	period cc and cpue
1993	6/14-9/8	1-27	333	50	saltbl8	Lotus	AMR 93	Tab 8	12345	period cc and cpue
1993	6/14-9/8	1-25	333	60	saltbl9	Lotus	AMR 93	Tab 9	12345	period cc and cpue

(continued)

Appendix Table 1.A7. Norton Sound District commercial salmon fishery data inventory, 1962-1999. (page 2 of 6).

					Electronic Data		Printed Data [a]			
Year	Dates	Periods	District	Subdistrict	File Name	File Type	Source	Table	Species [b]	Data
1992	8/3-9/5	1-10	333	10	saltb4	Lotus	AMR 92	Tab 4	1235	period cc and cpue
1992	7/3-8/31	1-17	333	20	saltb5	Lotus	AMR 92	Tab 5	1235	period cc and cpue
1992	7/2-9/3	1-5	333	30	saltb6	Lotus	AMR 92	Tab 6	35	period cc and cpue
1992	7/2-9/5	1-28	333	40	saltb7	Lotus	AMR 92	Tab 7	15	period cc and cpue, only periods 2-4 fished
1992	7/2-9/5	1-19	333	50	saltb8	Lotus	AMR 92	Tab 8	1235	period cc and cpue
1992	7/2-9/5	1-19	333	60	saltb9	Lotus	AMR 92	Tab 9	12345	period cc and cpue
1991	6/20-8/31	1-21	333	20	sal91t4	ANSI	AMR 89/90/91	Tab 5B	125	period cc and cpue, only periods 1-5 fished
1991	6/24-8/31	1-20	333	30	sal91t5	ANSI	AMR 89/90/91	Tab 6C	15	period cc and cpue, only period fished
1991	6/17-9/7	1-24	333	50	sal91t6	ANSI	AMR 89/90/91	Tab 7C	1235	period cc and cpue
1991	6/17-9/7	1-24	333	60	sal91t7	ANSI	AMR 89/90/91	Tab 8C	1235	period cc and cpue
1990	6/22-8/31	1-21	333	20	sal90t4	ANSI	AMR 89/90/91	Tab 5A	125	period cc and cpue, only periods 2-4 fished
1990	6/25-8/31	1-20	333	30	sal90t5	ANSI	AMR 89/90/91	Tab 6B	145	period cc and cpue, only periods 1, 2, 5 + 7 fished
1990	6/14-9/8	1-25	333	50	sal90t6	ANSI	AMR 89/90/91	Tab 7B	1235	period cc and cpue
1990	6/14-9/8	1-25	333	60	sal90t7	ANSI	AMR 89/90/91	Tab 8B	1235	period cc and cpue
1989	7/3-8/29	1-17	333	10	Sal89t4	ANSI	AMR 89/90/91	Tab 4	145	period cc and cpue, only periods 1 + 2 fished
1989	7/2-9/3	1-13	333	30	Sal89t5	ANSI	AMR 89/90/91	Tab 6A	15	period cc and cpue, only period 1 fished
1989	6/15-9/6	1-24	333	50	Sal89t6	ANSI	AMR 89/90/91	Tab 7A	1235	period cc and cpue
1989	6/15-9/6	1-24	333	60	Sal89t7	ANSI	AMR 89/90/91	Tab 8A	1235	period cc and cpue
1988	7/1-8/30	1-18	333	10	Nstab5.88	ANSI	AMR 88	Tab 4	1345	period cc and cpue
1988	6/20-8/31	1-16	333	20	Nstab6.88	ANSI	AMR 88	Tab 5	12345	period cc and cpue
1988	6/20-8/31	1-16	333	30	Nstab7.88	ANSI	AMR 88	Tab 6	12345	period cc and cpue
1988	6/20-8/31	1-21	333	40	Nstab8.88	ANSI	AMR 88	Tab 7	12345	period cc and cpue
1988	6/20-9/7	1-23	333	50	Nstab9.88	ANSI	AMR 88	Tab 8	12345	period cc and cpue
1988	6/20-9/7	1-23	333	60	Nstab10.88	ANSI	AMR 88	Tab 9	12345	period cc and cpue
1987	7/2-8/28	1-10	333	10			AMR 87	Tab 4	135	period cc and cpue
1987	6/22-8/29	1-20	333	20			AMR 87	Tab 5	12345	period cc and cpue
1987	6/22-8/29	1-16	333	30			AMR 87	Tab 6	12345	period cc and cpue
1987	6/22-9/5	1-22	333	40			AMR 87	Tab 7	1345	period cc and cpue
1987	6/22-9/4	1-18	333	50			AMR 87	Tab 8	135	period cc and cpue
1987	6/22-9/4	1-18	333	60			AMR 87	Tab 9	12345	period cc and cpue
1986	7/1-8/29	1-18	333	10			AMR 86	Tab 4	135	period cc and cpue
1986	6/23-8/31	1-37	333	20			AMR 86	Tab 5	12345	period cc and cpue
1986	6/23-8/31	1-18	333	30			AMR 86	Tab 6	12345	period cc and cpue
1986	6/23-9/7	1-22	333	40			AMR 86	Tab 7	12345	period cc and cpue
1986	6/23-9/7	1-22	333	50			AMR 86	Tab 8	1235	period cc and cpue
1986	6/23-9/7	1-22	333	60			AMR 86	Tab 9	1235	period cc and cpue
1985	7/4-8/16	1-13	333	10	*Ns1-6.tab	ANSI	AMR 85	Tab 5	135	period cc and cpue; *cc by species and subdistricts (tb.2-6)
1985	6/27-8/10	1-21	333	20	Ns1-6.tab	ANSI	AMR 85	Tab 6	1345	period cc and cpue
1985	6/27-8/31	1-19	333	30	Ns1-6.tab	ANSI	AMR 85	Tab 7	1345	period cc and cpue
1985	6/27-8/10	1-13	333	40	Ns1-6.tab	ANSI	AMR 85	Tab 8	1345	period cc and cpue
1985	6/27-9/6	1-21	333	50	Ns1-6.tab	ANSI	AMR 85	Tab 9	135	period cc and cpue

(continued)

Appendix Table 1.A7. Norton Sound District commercial salmon fishery data inventory, 1962-1999. (page 3 of 6).

					Electronic Data		Printed Data [a]			
Year	Dates	Periods	District	Subdistrict	File Name	File Type	Source	Table	Species [b]	Data
1985	6/27-9/6	1-21	333	60	Ns1-6.tab	ANSI	AMR 85	Tab 10	1345	period cc and cpue
1984	7/2-9/1	1-18	333	10			AMR 84	Tab 5	135	Total cc and cc/Boat Hour by period
1984	6/21-8/18	1-33	333	20			AMR 84	Tab 6	1345	Total cc and cc/Boat Hour by period
1984	6/21-8/22	1-30	333	30			AMR 84	Tab 7	345	Total cc and cc/Boat Hour by period
1984	6/21-8/1	1-39	333	40			AMR 84	Tab 8	45	Total cc and cc/Boat Hour by period
1984	6/27-9/8	1-42	333	50			AMR 84	Tab 9	1345	Total cc and cc/Boat Hour by period
1984	6/25-9/8	1-22	333	60			AMR 84	Tab 10	135	Total cc and cc/Boat Hour by period
1983	6/16-8/19	1-12	333	10			AMR 83	Tab 5	1345	Total cc and cc/Boat Hour by period
1983	6/16-8/17	1-22	333	20			AMR 83	Tab 6	1345	Total cc and cc/Boat Hour by period
1983	6/16-7/24	1-26	333	30			AMR 83	Tab 7	145	Total cc and cc/Boat Hour by period
1983	6/16-8/3	1-18	333	40			AMR 83	Tab 8	1345	Total cc and cc/Boat Hour by period
1983	6/9-8/31	1-28	333	50			AMR 83	Tab 9	1345	Total cc and cc/Boat Hour by period
1983	6/9-8/31	1-28	333	60			AMR 83	Tab 10	1345	Total cc and cc/Boat Hour by period
1982	6/17-8/31	1-19	333	10			AMR 82	Tab 5	1345	Total cc and cc/Boat Hour by Date of Landing
1982	6/17-9/1	1-29	333	20			AMR 82	Tab 6	1345	Total cc and cc/Boat Hour by Date of Landing
1982	6/17-8/11	1-12	333	30			AMR 82	Tab 7	1345	Total cc and cc/Boat Hour by Date of Landing
1982	6/17-9/4	1-30	333	40			AMR 82	Tab 8	1345	Total cc and cc/Boat Hour by Date of Landing
1982	6/17-9/4	1-30	333	50			AMR 82	Tab 9	1345	Total cc and cc/Boat Hour by Date of Landing
1982	6/17-9/4	1-30	333	60			AMR 82	Tab 10	1345	Total cc and cc/Boat Hour by Date of Landing
1961-82			333	10			AMR 82	Appendix 2	1345	Commercial and Subsistence cces by subdistict
1961-82			333	20			AMR 82	Appendix 3	12345	Commercial and Subsistence cces by subdistict
1961-82			333	30			AMR 82	Appendix 4	12345	Commercial and Subsistence cces by subdistict
1961-82			333	40			AMR 82	Appendix 5	12345	Commercial and Subsistence cces by subdistict
1961-82			333	50			AMR 82	Appendix 6	12345	Commercial and Subsistence cces by subdistict
1961-82			333	60			AMR 82	Appendix 7	12345	Commercial and Subsistence cces by subdistict
1967-82			333				AMR 82	Appendix 8	12345	cces all subdistricts by species
1981	6/15-8/19	1-13	333	10			AMR 81	Tab 4	1345	Total cc and cc/Boat Hour by Date of Landing
1981	6/15-8/1	1-14	333	20			AMR 81	Tab 5	1345	Total cc and cc/Boat Hour by Date of Landing
1981	6/15-7/29	1-16	333	30			AMR 81	Tab 6	1345	Total cc and cc/Boat Hour by Date of Landing
1981	6/22-7/22	1-9	333	40			AMR 81	Tab 7	145	Total cc and cc/Boat Hour by Date of Landing
1981	6/8-8/29	1-25	333	50			AMR 81	Tab 8	1345	Total cc and cc/Boat Hour by Date of Landing
1981	6/8-8/29	1-28	333	60			AMR 81	Tab 9	1345	Total cc and cc/Boat Hour by Date of Landing
1980	6/23-7/30	1-10	333	10			AMR 80	Tab 4	145	Total cc and cc/Boat Hour by Date of Landing
1980	6/16-8/27	1-18	333	20			AMR 80	Tab 5	1345	Total cc and cc/Boat Hour by Date of Landing
1980	6/16-7/29	1-13	333	30			AMR 80	Tab 6	145	Total cc and cc/Boat Hour by Date of Landing
1980	6/16-7/16	1-9	333	40			AMR 80	Tab 7	145	Total cc and cc/Boat Hour by Date of Landing
1980	6/16-8/30	1-21	333	50			AMR 80	Tab 8	1345	Total cc and cc/Boat Hour by Date of Landing
1980	6/16-8/30	1-23	333	60			AMR 80	Tab 9	1345	Total cc and cc/Boat Hour by Date of Landing
1979	6/21-8/11	1-10	333	10			AMR 79	Tab 3	1345	Total cc and cc/Boat Hour by Date of Landing
1979	6/14-8/11	1-17	333	20			AMR 79	Tab 4	1345	Total cc and cc/Boat Hour by Date of Landing
1979	6/14-8/4	1-10	333	30			AMR 79	Tab 5	1345	Total cc and cc/Boat Hour by Date of Landing
1979	6/14-8/14	1-18	333	40			AMR 79	Tab 6	1345	Total cc and cc/Boat Hour by Date of Landing

(continued)

Appendix Table 1.A7. Norton Sound District commercial salmon fishery data inventory, 1962-1999. (page 4 of 6).

					Electronic Data		Printed Data [a]			
Year	Dates	Periods	District	Subdistrict	File Name	File Type	Source	Table	Species [b]	Data
1979	6/13-8/15	1-19	333	50			AMR 79	Tab 7	1345	Total cc and cc/Boat Hour by Date of Landing
1979	6/8-9/1	1-25	333	60			AMR 79	Tab 8	1345	Total cc and cc/Boat Hour by Date of Landing
1978	6/13-8/4	1-13	333	10			AMR 78	Tab 3	45	Total cc and cc/Boat Hour by Date of Landing
1978	6/13-8/10	1-15	333	20			AMR 78	Tab 4	1345	Total cc and cc/Boat Hour by Date of Landing
1978	6/13-8/9	1-16	333	30			AMR 78	Tab 5	1345, 521	Total cc and cc/Boat Hour by Date of Landing
1978	6/15-8/8	1-16	333	40			AMR 78	Tab 6	1345	Total cc and cc/Boat Hour by Date of Landing
1978	6/12-8/16	1-19	333	50			AMR 78	Tab 7	1345	Total cc and cc/Boat Hour by Date of Landing
1978	6/12-8/19	1-20	333	60			AMR 78	Tab 8	1345	Total cc and cc/Boat Hour by Date of Landing
1977	6/27-8/27	1-8	333	10			AMR 77	Tab 3	1345	Total cc and cc/Boat Hour by Date of Landing
1977	6/20-8/24	1-19	333	20			AMR 77	Tab 4	1345	Total cc and cc/Boat Hour by Date of Landing
1977	6/23-7/27	1-10	333	30			AMR 77	Tab 5	1345	Total cc and cc/Boat Hour by Date of Landing
1977	6/30-7/26	1-9	333	40			AMR 77	Tab 6	145	Total cc and cc/Boat Hour by Date of Landing
1977	6/23-8/5	1-13	333	50			AMR 77	Tab 7	1345	Total cc and cc/Boat Hour by Date of Landing
1977	6/20-8/13	1-16	333	60			AMR 77	Tab 8	1345	Total cc and cc/Boat Hour by Date of Landing
1976	6/28-7/17	1-4	333	10			AMR 76	Tab 3	1345	Total cc and cc/Boat Hour by Date of Landing
1976	6/24-8/28	1-19	333	20			AMR 76	Tab 4	1345, 521	Total cc and cc/Boat Hour by Date of Landing
1976	6/24-8/28	1-10	333	30			AMR 76	Tab 5	1345	Total cc and cc/Boat Hour by Date of Landing
1976	6/28-8/11	1-12	333	40			AMR 76	Tab 6	1345, 521	Total cc and cc/Boat Hour by Date of Landing
1976	6/24-8/14	1-11	333	50			AMR 76	Tab 7	1345, 521	Total cc and cc/Boat Hour by Date of Landing
1976	6/21-8/28	1-18	333	60			AMR 76	Tab 8	1345, 521	Total cc and cc/Boat Hour by Date of Landing
1975	7/3-8/16	1-8	333	10			AMR 75	Tab 3	1345	Total cc and cc/Boat Hour by Date of Landing
1975	6/30-8/16	1-9	333	20			AMR 75	Tab 4	1345	Total cc and cc/Boat Hour by Date of Landing
1975	6/30-7/16	1-5	333	30			AMR 75	Tab 5	145	Total cc and cc/Boat Hour by Date of Landing
1975	6/30-8/9	1-7	333	40			AMR 75	Tab 6	1345	Total cc and cc/Boat Hour by Date of Landing
1975	6/26-8/13	1-13	333	50			AMR 75	Tab 7	1345	Total cc and cc/Boat Hour by Date of Landing
1975	6/26-8/13	1-13	333	60			AMR 75	Tab 8	1345	Total cc and cc/Boat Hour by Date of Landing
1974	6/19-7/18	1-9	333	10			AMR 74	Tab 29	1345	Total cc and cc/Boat Hour by Date of Landing
1974	6/17-7/20	1-10	333	20			AMR 74	Tab 30	1345	Total cc and cc/Boat Hour by Date of Landing
1974	6/15-7/31	1-14	333	30			AMR 74	Tab 31	1345	Total cc and cc/Boat Hour by Date of Landing
1974	6/18-7/10	1-7	333	40			AMR 74	Tab 32	145	Total cc and cc/Boat Hour by Date of Landing
1974	6/11-8/7	1-13	333	50			AMR 74	Tab 33	1345	Total cc and cc/Boat Hour by Date of Landing
1974	6/8-8/27	1-22	333	60			AMR 74	Tab 34	1345	Total cc and cc/Boat Hour by Date of Landing
1973	7/25- ?		333	10			AMR 73	no Tab		opened by e.O. 7/25 to 5 days a week (total cc p.109)
1973	6/27-8/3	1-10	333	20			AMR 73	Tab 26	1345	Total cc and cc/Boat Hour by Date of Landing
1973	6/29-7/24	1-8	333	30			AMR 73	Tab 27	145	Total cc and cc/Boat Hour by Date of Landing
1973	6/22-8/3	1-13	333	50			AMR 73	Tab 28	1345	Total cc and cc/Boat Hour by Date of Landing
1973	6/20-8/29	1-21	333	60			AMR 73	Tab 29	1345	Total cc and cc/Boat Hour by Date of Landing
1972	?		333	10			AMR 72	no Tab		Total commercial cc, p. 117
1972	6/22-8/7	1-12	333	20			AMR 72	Tab 26	1345	Total cc and cc/Boat Hour by Date of Landing
1972	6/22-8/2	1-12	333	30			AMR 72	Tab 27	1345	Total cc and cc/Boat Hour by Date of Landing
1972	6/19-9/4	1-15	333	50			AMR 72	Tab 28	1345	Total cc and cc/Boat Hour by Date of Landing

(continued)

Appendix Table 1.A7. Norton Sound District commercial salmon fishery data inventory, 1962-1999. (page 5 of 6).

					Electronic Data		Printed Data [a]			
Year	Dates	Periods	District	Subdistrict	File Name	File Type	Source	Table	Species [b]	Data
1972	6/22-8/15	1-17	333	60			AMR 72	Tab 29	1345	Total cc and cc/Boat Hour by Date of Landing
1971	?		333	10			AMR 71	no Tab		Total commercial cc, p. 109
1971	6/28-8/7	1-9	333	20			AMR 71	Tab 26	1345	Total cc and cc/Boat Hour by Date of Landing
1971	6/28-7/31	1-10	333	30			AMR 71	Tab 27	1345	Total cc and cc/Boat Hour by Date of Landing
1971	6/24-8/11	1-12	333	50			AMR 71	Tab 28	1345	Total cc and cc/Boat Hour by Date of Landing
1971	6/21-9/1	1-18	333	60			AMR 71	Tab 29	1345	Total cc and cc/Boat Hour by Date of Landing
1970	?		333	10			AMR 70	no Tab		Total commercial cc, p. 115
1970	6/22-7/25	1-8	333	20			AMR 70	Tab 24	1345	Total cc and cc/Boat Hour by Date of Landing
1970	6/25-7/21	1-7	333	30			AMR 70	Tab 25	145	Total cc and cc/Boat Hour by Date of Landing
1970	6/22-8/15	1-10	333	50			AMR 70	Tab 26	1345	Total cc and cc/Boat Hour by Date of Landing
1970	6/18-9/2	1-16	333	60			AMR 70	Tab 27	1345	Total cc and cc/Boat Hour by Date of Landing
1969	?		333	10			AMR 69	no Tab		Total commercial cc, p. 116
1969	6/16-8/28	1-18	333	20			AMR 69	Tab 26	1345	Total cc and cc/Boat Hour by Date of Landing
1969	6/23-7/30	1-11	333	30			AMR 69	Tab 28	145	Total cc and cc/Boat Hour by Date of Landing
1969	6/30-7/19	1-6	333	40			AMR 69	Tab 30	145	Total cc and cc/Boat Hour by Date of Landing
1969	6/16-8/23	1-17	333	50			AMR 69	Tab 31	1345	Total cc and cc/Boat Hour by Date of Landing
1969	6/2-8/28	1-21	333	60			AMR 69	Tab 32	1345	Total cc and cc/Boat Hour by Date of Landing
1968	?		333	10			AMR 68	no Tab		indication of commerical cc on page 50
1968	6/20-8/21	1-16	333	20			AMR 68	Tab 20	1345	Total cc and cc/Boat Hour by Date of Landing
1968	6/24-7/20	1-8	333	30			AMR 68	Tab 21	1345	Total cc and cc/Boat Hour by Date of Landing
1968	?		333	50			AMR 68	no Tab		indication of commerical cc on page 50
1968	6/20-8/28	1-21	333	60			AMR 68	Tab 32	1345	Total cc and cc/Boat Hour by Date of Landing
1967	6/25-7/13	1-4	333	10			AMR 67	Tab 17	45	cc Data by Date of Landing
1967	6/22-8/16	1-16	333	20			AMR 67	Tab 18	1345	cc Data by Date of Landing
1967	6/14-8/15	1-15	333	50			AMR 67	Tab 20	1345	cc Data by Date of Landing
1967	6/3-8/31	1-26	333	60			AMR 67	Tab 21	1345	cc Data by Date of Landing
1966	6/20-8/22	1-14	333	10			AMR 66	Tab 31	1345	cc Data by Date of Landing
1966	6/24-9/7		333	20			AMR 66	Tab 32	1345	cc Data by Date of Landing
1966	6/28-7/20	1-7	333	30			AMR 66	Tab 33	145	cc Data by Date of Landing
1966	6/22-8/23		333	50			AMR 66	Tab 34	1345	cc Data by Date of Landing
1966	6/21-9/9		333	60			AMR 66	Tab 35	1345	cc Data by Date of Landing
1965	6/24-7/20		333	10			AMR 65	Tab 27	145	cc Data by Date of Landing
1965	6/22-7/3		333	50			AMR 65	Tab 28	145	cc Data by Date of Landing
1965	6/7-9/13		333	60			AMR 65	Tab 29	1345	cc Data by Date of Landing
1964	6/26-7/22		333	20			AMR 64	Tab 25, Z-2	12345	cc Data by Date of Landing
1964	6/25-7/18		333	30			AMR 64	Tab 25, Z-3	1245	cc Data by Date of Landing
1964	6/26-7/18		333	40			AMR 64	Tab 25, Z-4	1245	cc Data by Date of Landing
1964	6/25-7/27		333	50			AMR 64	Tab 25, Z-5	12345	cc Data by Date of Landing
1964	6/24-7/28		333	60			AMR 64	Tab 25, Z-6	12345	cc Data by Date of Landing

(continued)

Appendix Table 1.A7. Norton Sound District commercial salmon fishery data inventory, 1962-1999. (page 6 of 6).

					Electronic Data		Printed Data [a]			
Year	Dates	Periods	District	Subdistrict	File Name	File Type	Source	Table	Species [b]	Data
1963	6/15-7/20		333	20			AMR 63	Tab 29, Z-2	1245	cc Statistics by Date of Landing, cc/Man Hour
1963	6/14-7/12		333	30			AMR 63	Tab 29, Z-3	145	cc Statistics by Date of Landing, cc/Man Hour
1963	6/14-7/15		333	40			AMR 63	Tab 29, Z-4	1245	cc Statistics by Date of Landing, cc/Man Hour
1963	6/18-8/12		333	50			AMR 63	Tab 29, Z-5	12345	cc Statistics by Date of Landing, cc/Man Hour
1963	6/14-8/31		333	60			AMR 63	Tab 29, Z-6	12345	cc Statistics by Date of Landing, cc/Man Hour
1962	6/20-8/15		333	20			AMR 62	Tab 22, # 2	12345	cc by Date of Landing
1962	6/25-7/20		333	30			AMR 62	Tab 22, # 3	145	cc by Date of Landing
1962	7/4-7/29		333	40			AMR 62	Tab 22, # 4	12345	cc by Date of Landing
1962	6/20-8/25		333	50			AMR 62	Tab 22, # 5	12345	cc by Date of Landing
1962	6/16-8/26		333	60			AMR 62	Tab 22, # 6	12345	cc by Date of Landing
1962	6/20-8/15		333	20			AMR 62	Tab 23, # 2	1345	cc per Unit effort
1962	6/25-7/20		333	30			AMR 62	Tab 23, # 3	145	cc per Unit effort
1962	7/4-7/29		333	40			AMR 62	Tab 23, # 4	1345	cc per Unit effort
1962	6/20-8/25		333	50			AMR 62	Tab 23, # 5	1345	cc per Unit effort
1962	6/16-8/26		333	60			AMR 62	Tab 23, # 6	1345	cc per Unit effort
1961-62	6/16-6/30		333	60			AMR 62	Tab 25	1	King cc per fisherman hour 1961 and 1962
1961-62	7/8-8/14		333	60			AMR 62	Tab 26	5	Chum cc per fisherman hour 1961 and 1962

a "Sources are the Annual Mangement Report (AMR) series 1975-1999 for the Norton Sound, Port Clarence and Kotzebue area, the AMR series for the AYK Region 1962-1974, and the Catch and Escapement Report (CER) series 1984-1999 for the Norton Sound and Kotzebue area.

b Species code: 1-chinook, 2-sockeye, 3-coho, 4-pink, 5-chum., 521 char.

Appendix Table 1.A8. Kotzebue District commercial salmon fishery data inventory, 1962-2000. (page 1 of 2).

					Electronic Data		Printed Data [a]			
Year	Dates	Periods	District	Subdistrict	File Name	File Type	Source	Table	Species [b]	Data
2000	7/10-8/24	1-26	331	10	2000KotzReportTables	Excel	Season Summary	Table 2	1, 5, 531	cc, weight, chum cc rate by period
1962-2000			331	10	2000KotzReportTables	Excel	Season Summary	Table 1	5	comparative catch stats, catch/boat day
1999	7/12 - 8/27	1-30	331	10	cetab~99	Excel	CER 99	Table 12	1, 5, 531	cc, weight, chum cc rate by period
1998	7/19 - 8/18	1-26	331	10	cetab98	Excel	CER 98	Table 13	1, 5, 531	cc, weight, chum cc rate by period
1918-1998			331	10	apxc1-c9&fig5	Excel	AMR 98	Appendix C5	5	comparative cc and subsistence catches by year
1997	7/10 - 8/29	1-23	331	10	ce97_tbls	Excel	CER 97	Table 13	1, 5, 531	cc, weight, chum cc rate by period
1996	7/8 - 8/23	1-19	331	10	ce96_tbls	Excel	CER 96	Table 15	1, 5, 531	cc, weight, average weight by period
1995	7/10 - 8/28	1-30	331	10	ce_tbl12	Lotus	CER 95	Table 12	1, 5, 531	cc, weight, average weight by period
1994	7/11 - 8/24	1-21	331	10	ce_tbl12	Lotus	CER 94	Table 12	1, 5, 531	cc, weight, average weight by period
1993	7/8 - 8/6	*1-9	331	10	otztbl09	Lotus	AMR 93	Table 10	1, 5, 531	cc and weight by period, *6 + 8, 10-15 closed period
			331	10	otztbl10	Lotus	AMR 93	Table 11	1, 5, 531	cc and weight by statistical area (areas 01-06)
1992	7/8 - 8/6	1-15	331	10	T10	Lotus	AMR 92	Table 10	1, 5, 531	cc and weight by period
			331	10	T11	Lotus	AMR 92	Table 11	1, 5, 531	ccand weight by statistical area (areas 01-06)
1991	7/11-8/31	1-15	331	10	91tbl10	Lotus	AMR 89/90/91	Table 9C	1, 5, 531	cc and weight by period
			331	10	91tbl11	Lotus	AMR 89/90/91	Table 10C	1, 5, 531	cc and weight by statistical area
1990	7/9-8/10	1-10	331	10	90tbl10	Lotus	AMR 89/90/91	Table 9B	1, 5, 531	cc and avg. weight by period
			331	10	90tbl11	Lotus	AMR 89/90/91	Table 10B	1, 5, 531	cc and weight by statistical area
1989	7/10-8/30	1-15	331	10	89tbl10	Lotus	AMR 89/90/91	Table 9A	1, 5, 531	cc and weight by period
			331	10	89tbl11	Lotus	AMR 89/90/91	Table 10A	1, 5, 531	cc and weight by statistical area
1988	7/11-8/30	1-15	331	10	kotztab1	Excel, wp	AMR 88	Table 10	1, 5, 531	cc, weight, CPUE by period
			331	10	kotztab3	wp	AMR 88	Table 11	1, 5, 531	cc and weight by statistical area
			331	10	kotz7	Lotus			1, 5, 531	cc and CPUE by periods (no dates)
			331	10	catch, ccpue, cpue	*pic				*could not open files
			331	10	88kotzch	ANSI			5	chum cc, avg.cc and boats by periods 1979-88
1987	7/13-8/21	1-9	331	10	season87.kot	ANSI	AMR 87	Table 10	1, 5, 531	cc, weight, CPUE by period
			331	10			AMR 87	Table 11	1, 5, 531	cc, weight, CPUE by statistical area
1986	7/10-8/26	1-14	331	10			AMR 86	Table 10	1, 5	cc, weight, CPUE by period
			331	10			AMR 86	Table 11	1, 5	cc, weight, CPUE by statistical area (01-05)
1914-1986							AMR 86	Table 16	5	comparative catch stats, total catch, average cc/boat
1985	7/11-8/31	1-15	331	10	kztab (*tb.13)	ANSI	AMR 85	Table 12	1, 5	cc and CPUE by period; *chum + king cc by period
			331	10			AMR 85	Table 13	1, 5	cc and CPUE by statistical area (01-05)
1984	7/9-8/22	1-13	331	10			AMR 84	Table 11	1, 5, 531	cc and CPUE by period
			331	10			AMR 84	Table 12	5	cc by statistical area (01-04)and fishing period
1983	7/11-8/19	1-11	331				AMR 83	Table 11	1, 4, 5, 531	cc and CPUE by period
			331				AMR 83	Table 12	5	cc by statistical area (01-04)and fishing period

(continued)

Appendix Table 1.A8. Kotzebue District commercial salmon fishery data inventory, 1962-2000. (page 2 of 2).

					Electronic Data		Printed Data [a]			
Year	Dates	Periods	District	Subdistrict	File Name	File Type	Source	Table	Species [b]	Data
1982	7/8-8/28	1-15	331				AMR 82	Table 11	1, 4, 5	Total cc and cc/Boat Hour by Date of Landing
1981	7/9-8/22	1-24	331				AMR 81	Table 10	1, 4, 5	Total cc and cc/Boat Hour by Date of Landing
1961-81			331				AMR 81	Appendix 8	5	comparative commercial chum cc statistics
1980	7/10-8/30	1-15	331				AMR 80	Table 10	1, 4, 5, 531	Total cc and cc/Boat Hour by Date of Landing
1914-80								Appendix 17	5	commercial and subsistence chum cc
1979	7/10-8/31	1-15	331				AMR 79	Table 9	1, 4, 5, 531	Total cc and cc/Boat Hour by Date of Landing
1978	7/1-9/1	1-17	331				AMR 78	Table 9	1, 4, 5	Total cc and cc/Boat Hour by Date of Landing
1977	7/7-8/31	1-15	331				AMR 77	Table 9	5	Total cc and cc/Boat Hour by Date of Landing
1976	7/15-8/25	1-12	331				AMR 76	Table 9	5	Total cc and cc/Boat Hour by Date of Landing
1975	7/3-8/31	1-15	331				AMR 75	Table 9	4, 5	Total cc and cc/Boat Hour by Date of Landing
	8/7-8/30	1-6	331				AMR 75	Table 10	5	cc from Deering Experimental Commercial Fishery
1974	7/9-8/31	1-16	331				AMR 74	Table 37	5, 531	Total cc and cc/Boat Hour by Date of Landing
	8/7-8/31	1-8	331				AMR 74	Table 38	5	cc from Deering Experimental Commercial Fishery
1973	7/11-8/22	1-13	331				AMR 73	Table 32	1, 5	Total cc and cc/Boat Hour by Date of Landing
1972	7/17-9/6	1-12	331				AMR 72	Table 32	1, 5	Total cc and cc/Boat Hour by Date of Landing
1971	7/14-9/4	1-15	331				AMR 71	Table 32	1, 5	Total cc and cc/Boat Hour by Date of Landing
1970	7/9-9/2	1-16	331				AMR 70	Table 30	5, 531	Total cc and cc/Boat Hour by Date of Landing
1969	7/10-9/17	1-20	331				AMR 69	Table 40	5, 531, 570	Total cc and cc/Boat Hour by Date of Landing
1968	7/15-9/15	1-16	331				AMR 68	Table 27	5	Total cc and cc/Boat Hour by Date of Landing
1967	7/18-9/28	1-16	331				AMR 67	Table 29	5	cc Data by Date of Landing, cc/Boat Hour
1966	7/13-9/2		331				AMR 66	Table 45	5	cc Data by Date of Landing, cc/Boat Hour
1965	7/9-8/28		331				AMR 65	Table 36	5	cc Data by Date of Landing, cc/Boat Hour
1964	7/16-8/29		331				AMR 64	Table 33	4, 5	cc Data by Date of Landing, cc/Boat Hour
1963	7/19-8/21		331				AMR 63	Table 38	1, 4, 5	cc Statistics by Date of Landing, cc/Man Hour
1962	7/23-8/25		331				AMR 62	Table 27	1, 2, 3, 4, 5	cc Statistics by Date of Landing, cc/Man Hour

[a] Sources are the Kotzebue Season Summary 2000, the Annual Mangement Report (AMR) series 1975-1999 for the Norton Sound, Port Clarence and Kotzebue area, the AMR series for the AYK Region 1962-1974, and the Catch and Escapement Report (CER) series 1984-1999 for the Norton Sound and Kotzebue area.

[b] Species code: 1-chinook, 2-sockeye, 3-coho, 4-pink, 5-chum., 531 Dolly Varden (prior to 1989 listed as char), 570 sheefish.

Appendix Table 1.B1. Kuskokwim River test fish data inventory, 1976-2000. (page 1 of 4).

Year	Dates [a]	District	Sub-district	Location Code	Location	Gear	Electronic Data File Name	Electronic Data File Type	Printed Data [b] Source	Printed Data [b] Table	Species [c]	Data
2000	6/5-8/23	335	13	104	Bethel	3	btf2000log	Excel			12345	drift times, catch, CPUE, mesh size, station
1984-00		335	13	104	Bethel	3	btf2000	Excel			1235	daily and culumative CPUE, percent passage
1999	6/4-8/27	335	13	104	Bethel	3	btf99log	Excel			12345	drift times, catch, CPUE, mesh size, station
1984-99		335	13	104	Bethel	3	99btfrpt	Excel	RIR 3A99-34	4-13	1235	daily and culumative CPUE, percent passage
1984-99		335	13	104	Bethel	3	btf99	Excel			1235	daily and culumative CPUE, percent passage
1984-98	6/2-8/25	335	13	104	Bethel	3	btf98	Excel			1235	daily and culumative CPUE, percent passage
1984-97	6/2-8/26	335	13	104	Bethel	3	btf97	Excel			1235	daily and culumative CPUE, percent passage
1984-96	6/1-8/28	335	13	104	Bethel	3	btf96	Excel			1235	daily and culumative CPUE, percent passage
1988-95	5/31-8/31	335	11		Lower Kusk	3	lktf95	Lotus			12345	drift times, catch, CPUE, mesh size, station
1995	6/1-8/29	335	13	104	Bethel	3,4	btf952	Rbase			12345	drift times, catch, CPUE, mesh size, station
1984-95		335	13	104	Bethel	3	btf95	Lotus			1235	daily and culumative CPUE, percent passage
1992-95	6/24-9/3	335	20		Aniak	3	atf95	Lotus			12345	drift times, catch, CPUE, mesh size, station
1988-94	6/1-8/31	335	11		Eek	3	etf94	Lotus			12345	drift times, catch, CPUE, station
1994	6/1-8/31	335	13	104	Bethel	3,4	btf942	Rbase			12345	drift times, catch, CPUE, mesh size, station
1984-94		335	13	104	Bethel	3	btf94	Lotus			1235	daily and culumative CPUE, percent passage
1994	6/13-8/31	335	20		Aniak	3	atf94	Lotus			12345	drift times, catch, CPUE, mesh size, station
1994	6/9-9/4	335	20		Chuathbaluk	3	ctf94	Lotus			12345	drift times, catch, CPUE, mesh size, station
1988-93	6/1-8/31	335	11		Eek	3	etf93	Lotus			12345	drift times, catch, CPUE, station
1993	6/1-8/31	335	13	104	Bethel	3	btf933	Rbase			12345	drift times, catch, CPUE, mesh size, station
1984-93		335	13	104	Bethel	3	btf93	Lotus			1235	daily and culumative CPUE, percent passage
1993	6/1-9/3	335	20		Aniak	3	a&ctf93	Lotus			12345	drift times, catch, CPUE, mesh size, station
1994	6/9-9/4	335	20		Chuathbaluk	3	a&ctf93	Lotus			12345	drift times, catch, CPUE, mesh size, station
1992	6/1-8/31	335	13	104	Bethel	3	btf922	Rbase			12345	drift times, catch, CPUE, mesh size, station
1984-92		335	13	104	Bethel	3	btf92	Lotus			1235	daily and culumative CPUE, percent passage
1992		335	13	104	Bethel	4	setnettf	Lotus			12345	Straight, Church and Steamboat Sloughs; catch, CP
1992	6/13-9/10	335	20		Aniak	3	atf92	Lotus			12345	drift times, catch, CPUE, mesh size, station

(continued)

Appendix Table 1.B1. Kuskokwim River test fish data inventory, 1976-2000. (page 2 of 4).

Year	Dates [a]	District	Sub-district	Location Code	Location	Gear	Electronic Data File Name	Electronic Data File Type	Printed Data [b] Source	Printed Data [b] Table	Species [c]	Data
1991	6/2-8/31	335	13	104	Bethel	3	btf912	Rbase			12345	drift times, catch, CPUE, mesh size, station
1988-90	6/1-8/20	335	11		Eek	3	etf90dat	Lotus			12345	catch, daily and culumative CPUE
1984-90		335	13	104	Bethel	3	kingcum	Lotus			1	catch, daily and culumative CPUE
1984-90		335	13	104	Bethel	3	redcum	Lotus			2	catch, daily and culumative CPUE
1985-90		335	13	104	Bethel	3	cohocum	Lotus			3	catch, daily and culumative CPUE
1984-90		335	13	104	Bethel	3	chumcum	Lotus			5	catch, daily and culumative CPUE
1990	8/23-8/30	335	13	104	Bethel	3	btf90deep	Lotus			12345	catch and CPUE, deep nets
1990	6/1-8/31	335	13	104	Bethel	3	btf90dat	Lotus			12345	catch and CPUE
1989	6/5-8/30	335	11	104	Eek	3	itf89dat	Lotus			12345	catch, CPUE, mesh size, station
1988-89		335	11	104	Eek	3	ikingcum	Lotus			1	catch and CPUE
1988-89		335	11	104	Eek	3	iredcum	Lotus			2	catch and CPUE
1988-89		335	11	104	Eek	3	icohocum	Lotus			3	catch and CPUE
1988-89		335	11	104	Eek	3	ichumcum	Lotus			5	catch and CPUE
1988-89	6/1-8/31	335	13	104	Bethel	3	tf89dat	Lotus			12345	catch and CPUE
1984-89		335	13	104	Bethel	3	kingcum	Lotus			1	catch, daily and culumative CPUE
1984-89		335	13	104	Bethel	3	redcum	Lotus			2	catch, daily and culumative CPUE
1984-89		335	13	104	Bethel	3	cohocum	Lotus			3	catch, daily and culumative CPUE
1984-89		335	13	104	Bethel	3	chumcum	Lotus			5	catch, daily and culumative CPUE
1989	5/31-8/25	335	10-20		Tunt-Chuab	3,4			RIR3B90-12		12345	Subsistence catches, times, cpue
1988	6/7-8/29	335	11		Eek	3	itf88dat	Lotus			12345	catch and CPUE
1988	6/2-8/29	335	13	104	Bethel	3	tf88dat	Lotus			12345	catch, CPUE, mesh size, station
1984-88		335	13	104	Bethel	3	kingcum	Lotus			1	catch, daily and culumative CPUE
1984-88		335	13	104	Bethel	3	redcum	Lotus			2	catch, daily and culumative CPUE
1984-88		335	13	104	Bethel	3	cohocum	Lotus			3	catch, daily and culumative CPUE
1984-88		335	13	104	Bethel	3	chumcum	Lotus			5	catch, daily and culumative CPUE
1988	6/2-8/28	335	10-20		Tunt-Chuab	3,4			RIR3B89-28		12345	Subsistence catches, times, cpue
1987	6/4-9/11	335	13	104	Bethel	3	tf87data	Lotus			12345	catch, CPUE, mesh size, station
1987	6/4-8/26	335	13	104	Bethel	3	tf00287	Lotus			1235	drift cpue
1986	6/3-8/28	335			Kusk Area	3			ADF&G/ Report		1235	index, catch, passage estimates
1986	6/3-8/28	335	13	104	Bethel	3	xtf07a86	Lotus			125	cpue

(continued)

Appendix Table 1.B1. Kuskokwim River test fish data inventory, 1976-2000. (page 3 of 4).

Year	Dates [a]	District	Sub-district	Location Code	Location	Gear	Electronic Data File Name	Electronic Data File Type	Printed Data [b] Source	Printed Data [b] Table	Species [c]	Data
1985	5/31-8/30	335			Kusk Area	3			ADF&G/ Report		1235	index, catch, passage estimates
1985	5/30-8/30	335	13	104	Bethel	3	xtf07a85	Lotus			125	CPUE
1985	5/30-8/30	335	13	104	Bethel	3	tf85data	Lotus			12345	CPUE by tide, drift, station, and mesh size
1985	5/30-8/30	335	13	104	Bethel	3	tf00285	Lotus				catch and mean tidal CPUE
1985	5/30-6/19	335	13	104	Bethel	3	tfxt03	Lotus				mean tidal CPUE
1984	5/30-9/6	335	13	104	Bethel	3	xtf87a84	Lotus			125	CPUE
1984	6/18-8/23	335	13	104	Bethel	3	t484aoz	Lotus			125	CPUE
1984	5/30-9/6	335			Kusk Area	3			ADF&G/ Report		1235	index, catch, passage estimates
1982-83	6/24-8/31	335			Kusk Area	3			ADF&G/ Report		1235	index, catch, passage estimates
1981	5/28-7/15	335	11		Kwegooyuk	4			ADF&G/ Report		125	catch, run timing
1980	5/21-7/15	335	11		Kwegooyuk	4			ADF&G/ Report		125	catch, run timing
1979	5/22-7/15	335	11		Kwegooyuk	4			ADF&G/ Report		125	catch, run timing
1978	5/23-7/15	335	11		Kwegooyuk	4			ADF&G/ Report		125	catch, run timing
1977	6/5-7/14	335	11		Kwegooyuk	4			ADF&G/ Report		125	catch, run timing
1976	6/5-7/15	335	11		Kwegooyuk	4			ADF&G/ Report		125	catch, run timing
1975	6/3-7/16	335	11		Kwegooyuk	4			ADF&G/ Report		125	catch, run timing
1974	5/24-7/8	335	11		Kwegooyuk	4			ADF&G/ Report		125	catch, run timing
1973	6/1-7/15	335	11		Kwegooyuk	4			ADF&G/ Report		125	catch, run timing

(continued)

Appendix Table 1.B1. Kuskokwim River test fish data inventory, 1976-2000. (page 4 of 4).

Year	Dates [a]	District	Sub-district	Location Code	Location	Gear	Electronic Data File Name	Electronic Data File Type	Printed Data [b] Source	Printed Data [b] Table	Species [c]	Data
1972	6/10-7/14	335	11		Kwegooyuk	4			ADF&G/ Report		125	catch, run timing
1971	6/7-7/15	335	11		Kwegooyuk	4			ADF&G/ Report		125	catch, run timing
1966-70		335			Kusk Area	4			ADF&G/ Report		125	daily and cumulative catch, ASL composition

[a] Dates apply to most recent year when multiple years are listed.
[b] Printed data sources are incomplete. Bethel Test fish results are listed in the Kuskokwim Area Management Report series. Eek, Lower Kuskokwim, Aniak and Chuathbaluk test fishery data is unpublis
[c] Species codes: 1-chinook, 2-sockeye, 3-coho, 4-pink, 5-chum.

Appendix Table 1.B2. Yukon River summer season test fish data inventory, 1963-1999. (page 1 of 3).

						Electronic Data		Printed Data			
Year	Dates	District	Subdistrict	Location	Gear Type	File Name	File Type	Source [a]	Table	Species [b]	Data
1999	6/3-7/15	334	10	Big Eddy/Middle Mouth	4	Tfntbk	Excel	YRSSDN	C 2,7,10, 12-14,19-21/D 2,6,8-11,15-1	1,s5	Catch and CPUE
1999	6/15-7/15	334	10	Big Eddy	3	Tfntbk	Excel	YRSSDN		1,s5	Catch and CPUE 1st yr. Operation
1999	6/16-7/15	334	20	Marshall	3	Tfntbk	Excel	YRSSDN	Table	1,s5	Catch and CPUE 1st yr. Operation
1998	5/26-7/15	334	10	Big Eddy/Middle Mouth	4	Tfntbk	Excel	YRSSDN	C 2,7,10, 12-14,19-21/D 2,6,8-11,15-1	1,s5	Catch and CPUE
1998	7/1-8/15	334	60	Nenana	8	TfupykCHINOOK	Excel	YRSSDN	E 1, 2	1,s6	
1997	5/28-7/15	334	10	Big Eddy/Middle Mouth	4	Tfntbk	Excel	YRSSDN	C 2,7,10, 12-14,19-21/D 2,6,8-11,15-1	1,s5	Catch and CPUE
1997	7/1-8/5	334	60	Nenana	8	Ecntbk	Excel	YRSSDN	E 1, 2	1,s6	Cumulative escapement
1996	5/28-7/15	334	10	Big Eddy/Middle Mouth	4			YRSSDN	C 2,7,10, 12-14,19-21/D 2,6,8-11,15-1	1,s5	
1996	6/3-7/15	334	10	North Mouth	4			YRSSDN	C 18, D14	1,s5	Catch by Hour
1996	7/3-8/15	334	60	Nenana	8	Ecntbk	Excel	YRSSDN	E 1, 2	1,s5	Cumulative escapement
1995	5/287/15	334	10	Big Eddy/Middle Mouth	4	Tfntbk	Excel	YRSSDN	C 2,7,10, 12-14,19-21/D 2,6,8-11,15-1	1,s5	Catch and CPUE
1995	6/2-7/15	334	10	North Mouth	4			YRSSDN	C 18, D14	1,s5	Catch by Hour
1995	7/8-8/9	334	60	Nenana	8	TfupykCHINOOKN		YRSSDN	E 1, 2	1,s5	
1994	5/28-7/15	334	10	Big Eddy/Middle Mouth	4	Tfntbk	Excel	YRSSDN	C 2,7,10, 12-14,19-21/D 2,6,8-11,15-1	1,s5	Catch and CPUE
1994	6/6-7/15	334	10	North Mouth	4			YRSSDN	C 18, D14	1,s5	Catch by Hour
1993	5/28-7/15	334	10	Big Eddy/Middle Mouth	4	Tfntbk	Excel	YRSSDN	C 2,7,10, 12-14,19-21/D 2,6,8-11,15-1	1,s5	Catch and CPUE
1993	6/5-7/15	334	10	North Mouth	4			YRSSDN	C 18, D14	1,s5	Catch by Hour
1993	7/9-8/13	334	60	Manley	8	Tfupyk	Excel	YRSSDN	F 1,2	1,s5	Cumulative Escapement
1992	6/16-7/15	334	10	Big Eddy/Middle Mouth	4	Tfntbk	Excel	YRSSDN	C 2,7,10, 12-14,19-21/D 2,6,8-11,15-1	1,s5	Catch and CPUE
1992	6/19-7/15	334	10	North Mouth	4			YRSSDN	C 18, D14	1,s5	Catch by Hour
1992	7/8-8/5	334	60	Manley	8	Tfupyk	Excel	YRSSDN	F 1,2	1,s5	Cumulative Escapement
1992	7/10-8/9	334	60	Nenana	8	TfupykCHINOOKN	Excel	YRSSDN	E 1, 2	1,s5	Cumulative Escapement
1991	6/16-7/15	334	10	Big Eddy/Middle Mouth	4	Tfntbk	Excel	YRSSDN	C 2,7,10, 12-14,19-21/D 2,6,8-11,15-1	1,s5	Catch and CPUE
1991	6/6-7/15	334	10	North Mouth	4			YRSSDN	C 18, D14	1,s5	Catch by Hour
1991	7/8-7/31	334	60	Manley	8	Tfupyk	Excel	YRSSDN	F 1,2	1,s5	Cumulative Escapement
1991	7/9-8/9	334	60	Nenana	8	TfupykCHINOOKN	Excel	YRSSDN	E 1, 2	1,s5	Cumulative Escapement
1990	5/31-7/15	334	10	Big Eddy/Middle Mouth	4	Tfntbk	Excel	YRSSDN	C 2,7,10, 12-14,19-21/D 2,6,8-11,15-1	1,s5	Catch and CPUE
1990	6/9-7/15	334	10	North Mouth	4			YRSSDN	C 18, D14	1,s5	Catch by Hour
1990	6/25-8/10	334	60	Manley	8	Tfupyk	Excel	YRSSDN	F 1,2	1,s5	Cumulative Escapement
1990	6/25-8/9	334	60	Nenana	8	TfupykCHINOOKN	Excel	YRSSDN	E 1, 2	1,s5	Cumulative Escapement
1989	6/6-7/15	334	10	Big Eddy/Middle Mouth	4	Tfntbk	Excel	YRSSDN	C 2,7,10, 12-14,19-21/D 2,6,8-11,15-1	1,s5	Catch and CPUE
1989	6/8-7/15	334	10	North Mouth	4			YRSSDN	C 18, D14	1,s5	Catch by Hour
1989	7/1-8/10	334	60	Manley	8	Tfupyk	Excel	YRSSDN	F 1,2	1,s5	Cumulative Escapement
1989	7/1-8/9	334	60	Nenana	8	TfupykCHINOOKN	Excel	YRSSDN	E 1, 2	1,s5	Cumulative Escapement

(continued)

Appendix Table 1.B2. Yukon River summer season test fish data inventory, 1963-1999. (page 2 of 3).

						Electronic Data		Printed Data			
Year	Dates	District	Subdistrict	Location	Gear Type	File Name	File Type	Source [a]	Table	Species [b]	Data
1988	5/27-7/15	334	10	Big Eddy/Middle Mouth	4	Tfntbk	Excel	YRSSDN	C 2,7,10, 12-14,19-21/D 2,6,8-11,15-1	1,s5	Catch and CPUE
1988	6/3-7/15	334	10	North Mouth	4			YRSSDN	C 18, D14	1,s5	Catch by Hour
1988	6/25-8/10	334	60	Manley	8	Tfupyk	Excel	YRSSDN	F 1,2	1,s5	Cumulative Escapement
1988	6/29-8/9	334	60	Nenana	8	TfupykCHINOOKN	Excel	YRSSDN	E 1, 2	1,s5	Cumulative Escapement
1987	6/2-7/15	334	10	Big Eddy/Middle Mouth	4	Tfntbk	Excel	YRSSDN	C 2,710	1	Catch and CPUE
1986	6/8-7/15	334	10	Big Eddy/Middle Mouth	4	Tfntbk	Excel	YRSSDN	C 2,710	1	Catch and CPUE
1986	6/7-7/15	334	10	Big Eddy/Middle Mouth	4			RIR 3A89-25	T 5,6	s5	Daily and Cumulative CPUE and Proportion
1985	6/8-7/15	334	10	Big Eddy/Middle Mouth	4	Tfntbk	Excel	YRSSDN	C 2,710	1	Catch and CPUE
1985	6/10-7/14	334	10	Big Eddy/Middle Mouth	4			RIR 3A88-31	T 7,8	s5	Daily and Cumulative CPUE and Proportion
1984	6/5-7/15	334	10	Big Eddy/Middle Mouth	4	Tfntbk	Excel	YRSSDN	C 2,710	1	Catch and CPUE
1984	6/3-7/15	334	10	Big Eddy/Middle Mouth	4			AYK TF Rpt. 21	T 5,6 A 1,2	s5	Daily and Cumulative CPUE and Proportion
1983	5/30-7/15	334	10	Big Eddy/Middle Mouth	4	Tfntbk	Excel	YRSSDN	C 2,7	1	Catch and CPUE
1983	5/30-7/15	334	10	Big Eddy/Middle Mouth	4			AYK TF Rpt. 19	A 5,6, C 11,12	1,s5	Catch by Hour and CPUE
1982	6/7-7/15	334	10	Big Eddy/Middle Mouth	4	Tfntbk	Excel	YRSSDN	C 2,7	1	Catch and CPUE
1982	6/7-7/15	334	10	Big Eddy/Middle Mouth	4			AYK TF Rpt. 19	A1,2, C 3,4	1,s5	Catch by Hour and CPUE
1981	6/1-7/15	334	10	Big Eddy/Middle Mouth	4	Tfntbk	Excel	YRSSDN	C 2,7	1	Catch and CPUE
1981	5/28-7/15	334	10	Big Eddy/Middle Mouth	4			AYK TF Rpt.15	A 3,4 C 5,6,7,8	s5	Catch by Hour and CPUE
1980	6/2-7/15	334	10	Big Eddy/Middle Mouth	4	Tfntbk	Excel	YRSSDN	C 2,7	1	Catch and CPUE
1980	5/30-7/15	334	10	Big Eddy/Middle Mouth	4			AYK TF Rpt. 13	T 1,2,4,5,6,8	1,s5	Catch and CPUE
1979	5/26-7/15	334	10	Big Eddy/Middle Mouth	4			AYK TF Rpt. 12	T 1-4	1,s5	Catch and CPUE
1978	5/29-7/14	334	10	Flat Island	4			AYK TF Rpt. 10	T 1-3, A 1-6	1,s5	Catch by Hour
1977	6/7-7/14	334	10	Flat Island	4			AYK TF Rpt. 8	T 1-2, A 1-6	1,s5	Catch by Hour
1976	6/13-7/15	334	10	Flat Island	4			YTF Rpt. 7	T 1,2, A 1-6	1,s5	Catch by Hour
1975	6/10-7/14	334	10	Flat Island	4			YTF Rpt. 6	T 1,2, A 1-6	1,s5	Catch by Hour
1974	5/30-7/14	334	10	Flat Island	4			YTF Rpt. 5	T 1,2, A 1-6	1,s5	Catch by Hour

(continued)

Appendix Table 1.B2. Yukon River summer season test fish data inventory, 1963-1999. (page 3 of 3).

						Electronic Data		Printed Data			
Year	Dates	District	Subdistrict	Location	Gear Type	File Name	File Type	Source [a]	Table	Species [b]	Data
1973	6/5-7/13	334	10	Flat Island	4			YTF Rpt. 4	T 1,2, A 1-4	1,s5	Catch by Hour
1972	6/11-7/14	334	10	Flat Island	4			YTF Rpt. 3	T 1,2,3, A 1-3	1,s5	Catch by Hour
1971	6/13-7/15	334	10	Flat Island	4			YTF Rpt. 2	T 1, A 1-4	1,s5	Catch by Hour
1970	6/6-7/9	334	10	Flat Island	4			YTF Rpt. 1	A 1-4	1,s5	Catch by Hour
1969	6/4-7/7	334	10	Flat Island	4			YTF Rpt. 1	A 3,4	1,s5	Catch by Hour
1968	6/5-7/6	334	10	Flat Island	4			YTF Rpt. 1	A 3,4	1,s5	Catch by Hour
1967	6/3-7/7	334	10	Flat Island	4			YTF Rpt. 1	A 3,4	1,s5	Catch by Hour
1966	6/16-7/4	334	10	Flat Island	4			YTF Rpt. 1	A 3	1	Catch by Hour
1965	6/6-7/4	334	10	Flat Island	4			YTF Rpt. 1	A 3	1	Catch by Hour
1964	6/18-7/13	334	10	Flat Island	4			YTF Rpt. 1	A 3	1	Catch by Hour
1963	6/8-6/26	334	10	Flat Island	4			YTF Rpt. 1	A 3	1	Catch by Hour

[a] Yukon River Summer Season Data Notebook 2000.
[b] Species codes: 1-chinook, 2-sockeye, 3-coho, 4-pink, s5-summer chum, f5-fall chum.

Appendix Table 1.B3. Yukon River fall season test fish data inventory, 1977-1997. (page 1 of 3).

						Electronic Data		Printed Data			
Year	Dates	District	Subdistrict	Location	Gear Type	File Name	File Type	Source [a]	Table	Species [b]	Data
1999	7/16-8/31	334	10	Big Eddy/Middle Mouth	4	Lytf	Excel	YAFSDN	A 1,4,7	3,4,f5	Catch and CPUE
1999	7/17-9/12	334	20	Mountain Village	3	Mountvi	Excel	YAFSDN	B 1	f5	Catch and CPUE
1999	7/30-9/14	334		Kaltag Test Fish	3			YAFSDN	E 1	3,f5	Daily and Coumlative CPUE
1999	7/31-9/15	334	50	Tanana/North Bank	8	Tananatf	Excel	YAFSDN	F 1,4	3,f5	Cumulative Counts
1999	8/2-9/22	334	50	Rampart-Rapids	8	Usfwstag	Excel	YAFSDN	G 1,2,3	f5	Cumulative Tag Deployment
1999	8/14-10/6	334		DFO	8	Dfofw	Excel	YAFSDN	K 1,2,7	f5	Cumulative Catch
1999	8/16-9/27	334	50	Tanana/South Bank	8	Tananatf	Excel	YAFSDN	L 1,4	3,f5	Cumulative Catch
1999	8/16-10/5	334	60	Nenana	8	Nenanatf	Excel	YAFSDN	N 1,4	3,f5	Cumulative Catch
1998	7/16-9/7	334	10	Big Eddy/Middle Mouth	4	Lytf	Excel	YAFSDN	A 1,4,7	3,4,f5	Catch and CPUE
1998	7/17-9/18	334	20	Mountain Village	3	Mountvi	Excel	YAFSDN	B 1	f5	Catch and CPUE
1998	7/31-9/15	334	50	Tanana/North Bank	8	Tananatf	Excel	YAFSDN	F 1,4	3,f5	Daily and Coumlative CPUE
1998	8/3-9/19	334	50	Rampart-Rapids	8	Usfwstag	Excel	YAFSDN	G 1,2,3	f5	Cumulative Tag Deployment
1998	8/14-10/7	334		DFO	8	Dfofw	Excel	YAFSDN	K 1,2,7	f5	Cumulative Catch
1998	8/16-9/29	334	50	Tanana/South Bank	8	Tananatf	Excel	YAFSDN	L 1,4	3,f5	Cumulative Catch
1998	8/16-10/6	334	60	Nenana	8	Nenanatf	Excel	YAFSDN	N 1,4	3,f5	Cumulative Catch
1997	7/16-8/13	334	10	Big Eddy/Middle Mouth	4	Lytf	Excel	YAFSDN	A 1,4,7	3,4,f5	Catch and CPUE
1997	7/17-10/2	334	20	Mountain Village	3	Mountvi	Excel	YAFSDN	B 1	f5	Catch and CPUE
1997	7/31-9/15	334	50	Tanana/North Bank	8	Tananatf	Excel	YAFSDN	F 1,4	3,f5	Cumulative Counts
1997	7/21-9/20	334	50	Rampart-Rapids	8	Usfwstag	Excel	YAFSDN	G 1,2,3	f5	Cumulative Tag Deployment
1997	8/14-10/11	334		DFO	8	Dfofw	Excel	YAFSDN	K 1,2,7	f5	Cumulative Catch
1997	8/16-9/29	334	50	Tanana/South Bank	8	Tananatf	Excel	YAFSDN	L 1,4	3,f5	Cumulative Catch
1997	8/16-10/4	334	60	Nenana	8	Nenanatf	Excel	YAFSDN	N 1,4	3,f5	Cumulative Catch
1996	7/16-8/28	334	10	Big Eddy/Middle Mouth	4	Lytf	Excel	YAFSDN	A 1,4,7	3,4,f5	Catch and CPUE
1996	8/2-9/14	334	20	Mountain Village	3	Mountvi	Excel	YAFSDN	B 1	f5	Catch and CPUE
1996	8/31-9/15	334	50	Tanana/North Bank	8	Tananatf	Excel	YAFSDN	F 1,4	3,f5	Cumulative Counts
1996	8/1-9/15	334	50	Rampart-Rapids	8	Usfwstag	Excel	YAFSDN	G 1,2,3	f5	Cumulative Tag Deployment
1996	8/14-10/4	334		DFO	8	Dfofw	Excel	YAFSDN	K 1,2,7	f5	Cumulative Catch
1996	8/15-9/30	334	50	Tanana/South Bank	8	Tananatf	Excel	YAFSDN	L 1,4	3,f5	Cumulative Catch
1996	8/16	334	60	Nenana	8	Nenanatf	Excel	YAFSDN	N 1,4	3,f5	Cumulative Catch
1995	7/16-8/27	334	10	Big Eddy/Middle Mouth	4	Lytf	Excel	YAFSDN	A 1,4,7	3,4,f5	Catch and CPUE
1995	7/28-10/2	334	20	Mountain Village	3	Mountvi	Excel	YAFSDN	B 1	f5	Catch and CPUE
1995	7/31-9/14	334	50	Tanana/North Bank	8	Tananatf	Excel	YAFSDN	F 1,4	3,f5	Cumulative Counts
1995	8/14-10/13	334		DFO	8	Dfofw	Excel	YAFSDN	K 1,2	f5	Cumulative Catch
1995	8/17-9/30	334	50	Tanana/South Bank	8	Tananatf	Excel	YAFSDN	L 1,4	3,f5	Cumulative Catch
1995	7/16-10/1	334	60	Nenana	8	Nenanatf	Excel	YAFSDN	N 1,4	3,f5	Cumulative Catch

(continued)

Appendix Table 1.B3. Yukon River fall season test fish data inventory, 1977-1997. (page 2 of 3).

						Electronic Data		Printed Data			
Year	Dates	District	Subdistrict	Location	Gear Type	File Name	File Type	Source [a]	Table	Species [b]	Data
1994	7/16-8/18	334	10	Big Eddy/Middle Mouth	4	Lytf	Excel	YAFSDN	A 1,4,7	3,4,f5	Catch and CPUE
1994	8/5-9/15	334	50	Tanana/North Bank	8	Tananatf	Excel	YAFSDN	F 1,4	3,f5	Cumulative Counts
1994	8/14-10/12	334		DFO	8	Dfofw	Excel	YAFSDN	K 1,2,7	f5	Cumulative Catch
1994	8/18-9/30	334	50	Tanana/South Bank	8	Tananatf	Excel	YAFSDN	L 1,4	3,f5	Cumulative Catch
1994	8/16-9/22	334	60	Nenana	8	Nenanatf	Excel	YAFSDN	N 1,4	3,f5	Cumulative Catch
1993	7/16-8/25	334	10	Big Eddy/Middle Mouth	4	Lytf	Excel	YAFSDN	A 1,4,7	3,4,f5	Catch and CPUE
1993	9/15-10/6	334	50	Tanana/North Bank	8	Tananatf	Excel	YAFSDN	F 1,4	3,f5	Cumulative Counts
1993	8/14-10/14	334		DFO	8	Dfofw	Excel	YAFSDN	K 1,2,7	f5	Cumulative Catch
1993	9/14-9/30	334	50	Tanana/South Bank	8	Tananatf	Excel	YAFSDN	L 1,4	3,f5	Cumulative Catch
1993	8/21-10/5	334	60	Nenana	8	Nenanatf	Excel	YAFSDN	N 1,4	3,f5	Cumulative Catch
1992	7/16-8/24	334	10	Big Eddy/Middle Mouth	4	Lytf	Excel	YAFSDN	A 1,4,7	3,4,f5	Catch and CPUE
1992	8/14-10/18	334		DFO	8	Dfofw	Excel	YAFSDN	K 1,2	f5	Cumulative Catch
1992	9/2-9/14	334	50	Tanana/South Bank	8	Tananatf	Excel	YAFSDN	L 1,4	3,f5	Cumulative Catch
1992	8/21-9/21	334	60	Nenana	8	Nenanatf	Excel	YAFSDN	N 1,4	3,f5	Cumulative Catch
1991	7/16	334	10	Big Eddy/Middle Mouth	4	Lytf	Excel	YAFSDN	A 1,4,7	3,4,f5	Catch and CPUE
1991	8/14-10/7	334		DFO	8	Dfofw	Excel	YAFSDN	K 1,2,7	f5	Cumulative Catch
1991	8/16-9/25	334	60	Nenana	8	Nenanatf	Excel	YAFSDN	N 1,4	3,f5	Cumulative Catch
1990	7/18-8/27	334	10	Big Eddy/Middle Mouth	4	Lytf	Excel	YAFSDN	A 1,4,7	3,4,f5	Catch and CPUE
1990	8/14-10/6	334		DFO	8	Dfofw	Excel	YAFSDN	K 1,2,7	f5	Cumulative Catch
1990	8/16-9/27	334	60	Nenana	8	Nenanatf	Excel	YAFSDN	N 1,4	3,f5	Cumulative Catch
1989	7/16-8/28	334	10	Big Eddy/Middle Mouth	4	Lytf	Excel	YAFSDN	A 1,4,7	3,4,f5	Catch and CPUE
1989	8/14-10/10	334		DFO	8	Dfofw	Excel	YAFSDN	K 1,2,7	f5	Cumulative Catch
1989	8/16-9/28	334	60	Nenana	8	Nenanatf	Excel	YAFSDN	N 1,4	3,f5	Cumulative Catch
1988	7/16-9/1	334	10	Big Eddy/Middle Mouth	4	Lytf	Excel	YAFSDN	A 1,4,7	3,4,f5	Catch and CPUE
1988	7/16-10/8	334		DFO	8	Dfofw	Excel	YAFSDN	K 1,2,7	f5	Cumulative Catch
1988	8/239/30	334	60	Nenana	8	Nenanatf	Excel	YAFSDN	N 1,4	3,f5	Cumulative Catch

(continued)

Appendix Table 1.B3. Yukon River fall season test fish data inventory, 1977-1997. (page 3 of 3).

						Electronic Data		Printed Data			
Year	Dates	District	Subdistrict	Location	Gear Type	File Name	File Type	Source [a]	Table	Species [b]	Data
1987	7/16-8/28	334	10	Big Eddy/Middle Mouth	4	Lytf	Excel	YAFSDN	A 1,4	3,f5	Catch and CPUE
1987	8/14-10/18	334		DFO	8	Dfofw	Excel	YAFSDN	K 1,2,7	f5	Cumulative Catch
1986	7/16-8/27	334	10	Big Eddy/Middle Mouth	4	Lytf	Excel	YAFSDN	A 1,4	3,f5	Catch and CPUE
1986	8/14-10/6	334		DFO	8	Dfofw	Excel	YAFSDN	K 1,2,7	f5	Cumulative Catch
1985	7/16-8/29	334	10	Big Eddy/Middle Mouth	4	Lytf	Excel	YAFSDN	A 1,4	3,f5	Catch and CPUE
1985	8/11-8/23	334	10	Emmonak	3			RIR 3A88-31	T 3	3,f5	Catch and CPUE
1985	8/14-10/10	334		DFO	8	Dfofw	Excel	YAFSDN	K 1,2,7	f5	Cumulative Catch
1984	7/16-8/28	334	10	Big Eddy/Middle Mouth	4	Lytf	Excel	YAFSDN	A 1,4	3,f5	Catch and CPUE
1983	7/16-8/30	334	10	Big Eddy/Middle Mouth	4	Lytf	Excel	YAFSDN	A 1,4	3,f5	Catch and CPUE
1983	8/14-10/3	334		DFO	8			YAFSDN	K 1,2,7	f5	Cumulative Catch
1982	7/16-8/30	334	10	Big Eddy/Middle Mouth	4	Lytf	Excel	YAFSDN	A 1,4	3,f5	Catch and CPUE
1982	8/14-10/4	334		DFO	8			YAFSDN	K 1,2	f5	Cumulative Catch
1981	7/16-8/30	334	10	Big Eddy/Middle Mouth	4	Lytf	Excel	YAFSDN	A 1,4	3,f5	Catch and CPUE
1980	7/16-8/30	334	10	Big Eddy/Middle Mouth	4	Lytf	Excel	YAFSDN	A 1,4	3,f5	Catch and CPUE
1979	7/15-8/26	334	10	Big Eddy/Middle Mouth	4			AYK TF Rpt. 12	T 9-11	3,f5	Catch and CPUE
1978	7/15-8/30	334	10	Big Eddy	4			AYK TF Rpt. 11	T 1,3,4	3,f5	Catch by Hour
1977	7/21-8/28	334	10	Big Eddy	4			AYK TF Rpt. 9	T 1,2	3,f5	Catch by Hour

[a] Yukon River Fall Season Data Notebook 2000. (Disclaimer : some information is preliminary, tables may contain errors)

[b] Species codes: 1-chinook, 2-sockeye, 3-coho, 4-pink, s5-summer chum, f5-fall chum.

Appendix Table 1.B4. Norton Sound District test fish data inventory for the Unalakleet River, 1981-1999. (page 1 of 3).

							Electronic Data [a]		Printed Data			
Year	Dates	District	Sub-district	Location Code	Location	Gear Type	File Name	File Type	Source [b]	Table	Species [c]	Data
1999	6/19-7/26	331	6	649	Unalakleet	4	Unalakleet Test Fish 1999	Excel	RIR 3A00-20	App. 1	1	king TF catches, CPUE, culmulative CPUE 1982-99
1999	7/22-9/8	331	6	649	Unalakleet	4	Unalakleet Test Fish 1999	Excel	RIR 3A00-20	App. 2	3	coho TF catches, CPUE, cumulative CPUE 1981-99
1999	6/21-9/3	331	6	649	Unalakleet	4	Unalakleet Test Fish 1999	Excel	RIR 3A00-20	App. 3	4	pink TF catches, CPUE, cumulative CPUE 1981-99
1999	6/21-9/8	331	6	649	Unalakleet	4	Unalakleet Test Fish 1999	Excel	RIR 3A00-20	App. 4	5	chum TF catches, CPUE, cumulative CPUE 1981-99
1998	6/10-7/25	331	6	649	Unalakleet	4			RIR 3A99-19	App. 1	1	king TF catches, CPUE, culmulative CPUE 1982-98
1998	7/28-9/9	331	6	649	Unalakleet	4			RIR 3A99-19	App. 2	3	coho TF catches, CPUE, cumulative CPUE 1981-98
1998	6/27-9/3	331	6	649	Unalakleet	4			RIR 3A99-19	App. 3	4	pink TF catches, CPUE, cumulative CPUE 1981-98
1998	6/19-9/9	331	6	649	Unalakleet	4			RIR 3A99-19	App. 4	5	chum TF catches, CPUE, cumulative CPUE 1981-98
1997	6/11-7/26	331	6	649	Unalakleet	4	Unalakleet Test Fish 1997	Excel	RIR 3A98-18	App. 1	1	king TF catches, CPUE, culmulative CPUE 1982-97
1997	7/28-9/10	331	6	649	Unalakleet	4	Unalakleet Test Fish 1997	Excel	RIR 3A98-18	App. 2	3	coho TF catches, CPUE, cumulative CPUE 1981-97
1997	7/4-9/3	331	6	649	Unalakleet	4	Unalakleet Test Fish 1997	Excel	RIR 3A98-18	App. 3	4	pink TF catches, CPUE, cumulative CPUE 1981-97
1997	6/16-9/10	331	6	649	Unalakleet	4	Unalakleet Test Fish 1997	Excel	RIR 3A98-18	App. 4	5	chum TF catches, CPUE, cumulative CPUE 1981-97
1996	6/5-7/26	331	6	649	Unalakleet	4	Unktf/Unalakleet Test Fish 1996	Excel	RIR 3A97-12	App. 1	1	king TF catches, CPUE, culmulative CPUE 1982-96
1996	7/22-9/11	331	6	649	Unalakleet	4	Unktf/Unalakleet Test Fish 1996	Excel	RIR 3A97-12	App. 2	3	coho TF catches, CPUE, cumulative CPUE 1981-96
1996	6/17-9/3	331	6	649	Unalakleet	4	Unktf/Unalakleet Test Fish 1996	Excel	RIR 3A97-12	App. 3	4	pink TF catches, CPUE, cumulative CPUE 1981-96
1996	6/5-9/11	331	6	649	Unalakleet	4	Unktf/Unalakleet Test Fish 1996	Excel	RIR 3A97-12	App. 4	5	chum TF catches, CPUE, cumulative CPUE 1981-96
1995	6/5-7/15	331	6	649	Unalakleet	4	Unalakleet Test Fish 1995	Excel	RIR 3A96-14	App. 1	1	king TF catches, CPUE, culmulative CPUE 1982-95
1995	8/3-9/11	331	6	649	Unalakleet	4	Unalakleet Test Fish 1995	Excel	RIR 3A96-14	App. 2	3	coho TF catches, CPUE, cumulative CPUE 1981-95
1995	7/11-8/18	331	6	649	Unalakleet	4	Unalakleet Test Fish 1995	Excel	RIR 3A96-14	App. 3	4	pink TF catches, CPUE, cumulative CPUE 1981-95
1995	6/8-9/11	331	6	649	Unalakleet	4	Unalakleet Test Fish 1995	Excel	RIR 3A96-14	App. 4	5	chum TF catches, CPUE, cumulative CPUE 1981-95
1994	6/16-7/26	331	6	649	Unalakleet	4	Unalakleet Test Fish 1994	Excel	RIR 3A96-11	App. 1	1	king TF catches, CPUE, culmulative CPUE 1982-94
1994	7/25-9/7	331	6	649	Unalakleet	4	Unalakleet Test Fish 1994	Excel	RIR 3A96-11	App. 2	3	coho TF catches, CPUE, cumulative CPUE 1981-94
1994	6/19-8/15	331	6	649	Unalakleet	4	Unalakleet Test Fish 1994	Excel	RIR 3A96-11	App. 3	4	pink TF catches, CPUE, cumulative CPUE 1981-94
1994	6/16-9/7	331	6	649	Unalakleet	4	Unalakleet Test Fish 1994	Excel	RIR 3A96-11	App. 4	5	chum TF catches, CPUE, cumulative CPUE 1981-94
1993	6/8-7/16	331	6	649	Unalakleet	4			RIR 3A95-23	App. 1	1	king TF catches, CPUE, culmulative CPUE 1982-93
1993	8/6-9/8	331	6	649	Unalakleet	4			RIR 3A95-23	App. 2	3	coho TF catches, CPUE, cumulative CPUE 1981-93
1993	6/25-8/19	331	6	649	Unalakleet	4			RIR 3A95-23	App. 3	4	pink TF catches, CPUE, cumulative CPUE 1981-93
1993	6/12-9/8	331	6	649	Unalakleet	4			RIR 3A95-23	App. 4	5	chum TF catches, CPUE, cumulative CPUE 1981-93
1992	6/27-7/25	331	6	649	Unalakleet	4			RIR 3A94-10	App. 1	1	king TF catches, CPUE, culmulative CPUE 1982-92
1992	7/27-9/8	331	6	649	Unalakleet	4			RIR 3A94-10	App. 2	3	coho TF catches, CPUE, cumulative CPUE 1981-92
1992	6/23-9/3	331	6	649	Unalakleet	4			RIR 3A94-10	App. 3	4	pink TF catches, CPUE, cumulative CPUE 1981-92
1992	6/25-9/8	331	6	649	Unalakleet	4			RIR 3A94-10	App. 4	5	chum TF catches, CPUE, cumulative CPUE 1981-92

(continued)

Appendix Table 1.B4. Norton Sound District test fish data inventory for the Unalakleet River, 1981-1999. (page 2 of 3).

Year	Dates	District	Sub-district	Location Code	Location	Gear Type	Electronic Data [a] File Name	Electronic Data [a] File Type	Printed Data Source [b]	Printed Data Table	Species [c]	Data
1991	6/10-7/10	331	6	649	Unalakleet	4			RIR 3A94-09	App. 1	1	king TF catches, CPUE, culmulative CPUE 1982-91
1991	8/1-9/10	331	6	649	Unalakleet	4			RIR 3A94-09	App. 2	3	coho TF catches, CPUE, cumulative CPUE 1981-91
1991	7/1-8/24	331	6	649	Unalakleet	4			RIR 3A94-09	App. 3	4	pink TF catches, CPUE, cumulative CPUE 1981-91
1991	6/14-9/10	331	6	649	Unalakleet	4			RIR 3A94-09	App. 4	5	chum TF catches, CPUE, cumulative CPUE 1981-91
1990	6/15-7/7	331	6	649	Unalakleet	4			RIR 3N91-18	App. 1	1	king TF catches, CPUE, culmulative CPUE 1982-90
1990	7/30-9/12	331	6	649	Unalakleet	4			RIR 3N91-18	App. 2	3	coho TF catches, CPUE, cumulative CPUE 1981-90
1990	6/21-8/10	331	6	649	Unalakleet	4			RIR 3N91-18	App. 3	4	pink TF catches, CPUE, cumulative CPUE 1981-90
1990	6/13-9/12	331	6	649	Unalakleet	4			RIR 3N91-18	App. 4	5	chum TF catches, CPUE, cumulative CPUE 1981-90
1989	6/12-7/10	331	6	649	Unalakleet	4			RIR 3N89-07	App. 1	1	king TF catches, CPUE, culmulative CPUE 1982-89
1989	7/27-9/12	331	6	649	Unalakleet	4			RIR 3N89-07	App. 2	3	coho TF catches, CPUE, cumulative CPUE 1981-89
1989	6/29-8/14	331	6	649	Unalakleet	4			RIR 3N89-07	App. 3	4	pink TF catches, CPUE, cumulative CPUE 1981-89
1989	6/12-9/12	331	6	649	Unalakleet	4			RIR 3N89-07	App. 4	5	chum TF catches, CPUE, cumulative CPUE 1981-89
1988	6/20-7/23	331	6	649	Unalakleet	4			RIR 3N89-14	App. 1	1	king TF catches, CPUE, culmulative CPUE 1982-88
1988	8/2-9/12	331	6	649	Unalakleet	4			RIR 3N89-14	App. 2	3	coho TF catches, CPUE, cumulative CPUE 1981-88
1988	6/20-8/20	331	6	649	Unalakleet	4			RIR 3N89-14	App. 3	4	pink TF catches, CPUE, cumulative CPUE 1981-88
1988	6/17-9/12	331	6	649	Unalakleet	4			RIR 3N89-14	App. 4	5	chum TF catches, CPUE, cumulative CPUE 1981-88
1987	6/20-7/23	331	6	649	Unalakleet	4			RIR 3N88-07	App. 1	1	king TF catches, CPUE, culmulative CPUE 1982-87
1987	8/6-9/8	331	6	649	Unalakleet	4			RIR 3N88-07	App. 2	3	coho TF catches, CPUE, cumulative CPUE 1981-87
1987	7/8-7/28	331	6	649	Unalakleet	4			RIR 3N88-07	App. 3	4	pink TF catches, CPUE, cumulative CPUE 1981-87
1987	6/17-9/8	331	6	649	Unalakleet	4			RIR 3N88-07	App. 4	5	chum TF catches, CPUE, cumulative CPUE 1981-87
1986	6/17-7/15	331	6	649	Unalakleet	4			NS ESC Rpt. 46	App. 1	1	king TF catches, CPUE, culmulative CPUE 1982-86
1986	7/28-9/10	331	6	649	Unalakleet	4			NS ESC Rpt. 46	App. 2	3	coho TF catches, CPUE, cumulative CPUE 1981-86
1986	6/21-8/20	331	6	649	Unalakleet	4			NS ESC Rpt. 46	App. 3	4	pink TF catches, CPUE, cumulative CPUE 1981-86
1986	6/18-9/4	331	6	649	Unalakleet	4			NS ESC Rpt. 46	App. 4	5	chum TF catches, CPUE, cumulative CPUE 1981-86
1985	6/26-7/26	331	6	649	Unalakleet	4			NS ESC Rpt. 43	App. 1	1	king TF catches, CPUE, culmulative CPUE 1982-85
1985	8/3-9/22	331	6	649	Unalakleet	4			NS ESC Rpt. 43	App. 2	3	coho TF catches, CPUE, cumulative CPUE 1981-85
1985	6/29-7/24	331	6	649	Unalakleet	4			NS ESC Rpt. 43	App. 3	4	pink TF catches, CPUE, cumulative CPUE 1981-85
1985	6/24-9/7	331	6	649	Unalakleet	4			NS ESC Rpt. 43	App. 4	5	chum TF catches, CPUE, cumulative CPUE 1981-85
1984	6/24-7/24	331	6	649	Unalakleet	4			NS ESC Rpt. 38	App. 1	1	king TF catches, CPUE, culmulative CPUE 1982-84, 8 1/4" mesh
1984	6/25-7/16	331	6	649	Unalakleet	4			NS ESC Rpt. 38	App. 2	1	king TF catches, CPUE, culmulative CPUE 1982-84, 5 7/8" mesh
1984	7/30-9/27	331	6	649	Unalakleet	4			NS ESC Rpt. 38	App. 3	3	coho TF catches, CPUE, cumulative CPUE 1981-84, 5 7/8" mesh
1984	6/22-8/15	331	6	649	Unalakleet	4			NS ESC Rpt. 38	App. 4	4	pink TF catches, CPUE, cumulative CPUE 1981-84, 5 7/8" mesh
1984	6/25-9/18	331	6	649	Unalakleet	4			NS ESC Rpt. 38	App. 6	5	chum TF catches, CPUE, cumulative CPUE 1981-84, 5 7/8" mesh
1983	5/27-7/21	331	6	649	Unalakleet	4			NS ESC Rpt. 32	Table 5A	1	king TF catches, CPUE, culmulative CPUE 1983, 8 1/4" mesh
1983	7/24-9/23	331	6	649	Unalakleet	4			NS ESC Rpt. 32	Table 5B	3	coho TF catches, CPUE, culmulative CPUE 1983, 5 7/8" mesh
1983	6/16-9/2	331	6	649	Unalakleet	4			NS ESC Rpt. 32	Table 5C	4	pink TF catches, CPUE, cumulative CPUE 1983, 4" mesh
1983	6/5-9/23	331	6	649	Unalakleet	4			NS ESC Rpt. 32	Table 5D	5	chum TF catches, CPUE, cumulative CPUE 1983, 5 7/8" mesh

(continued)

Appendix Table 1.B4. Norton Sound District test fish data inventory for the Unalakleet River, 1981-1999. (page 3 of 3).

Year	Dates	District	Sub-district	Location Code	Location	Gear Type	Electronic Data [a] File Name	Electronic Data [a] File Type	Printed Data Source [b]	Printed Data Table	Species [c]	Data
1982	6/7-7/23	331	6	649	Unalakleet	4			NS ESC Rpt. 30	Table 4A	1	king TF catches, CPUE, culmulative CPUE 1982, 8 1/4" mesh
1982	7/18-9/24	331	6	649	Unalakleet	4			NS ESC Rpt. 30	Table 4B	3	coho TF catches, CPUE, culmulative CPUE 1982, 5 7/8" mesh
1982	6/21-9/7	331	6	649	Unalakleet	4			NS ESC Rpt. 30	Table 4C	4	pink TF catches, CPUE, cumulative CPUE 1982, 4" mesh
1982	6/16-9/24	331	6	649	Unalakleet	4			NS ESC Rpt. 30	Table 4D	5	chum TF catches, CPUE, cumulative CPUE 1982, 5 7/8" mesh
1981		331	6	649	Unalakleet	4			NS ESC Rpt. 26	Table 7	1345	test net catch data by four sites
1981	6/8-9/4	331	6	649	Unalakleet	4			NS ESC Rpt. 26	Table 6	1345	subsistence survey catch and cpue

[a] TF catches by species since 1981 in below yearly spreadsheets

[b] Unalakleet River Test Fishing Project Reports Series (RIR - Regional Information Report) 1999-1987, Unalakleet River Escapement Report Series 1986-81.

[c] Species code: 1-chinook, 2-sockeye, 3-coho, 4-pink, 5-chum.

Appendix Table 1.B5. Kotzebue District test fish data inventory for the Kobuk and Noatak Rivers, 1975-1999. (page 1 of 2).

							Electronic Data		Printed Data			
Year	Dates	District	Sub-District	Location Code	Location	Gear Type	File Name	File Type	Source [a]	Table	Species [b]	Data
1999	7/11-8/13	333		215	Kobuk	3	Report Tables99	Excel	RIR 3A00-07	Table 1-6	5	daily and cumulative catch, CPUE, station, proportion (Kobuk TF CPUE 1993-99)
1998	7/10-8/13	333		215	Kobuk	3	Report Tables99	Excel	RIR 3A00-06	Table 1-6	5	daily and cumulative catch, CPUE, station, proportion (Kobuk TF CPUE 1993-99)
1997	7/9-8/14	333		215	Kobuk	3	kbk_tf_tbls97	Excel	RIR 3A97-38	Table 1-3, 6	5	daily and cumulative catch, CPUE, station, proportion (Kobuk TF CPUE 1993-99)
1996	7/9-8/14	333		215	Kobuk	3	kbk_tf_tbls96	Excel	RIR 3A96-33	Table 1-3, 6	5	daily and cumulative catch, CPUE, station, proportion (Kobuk TF CPUE 1993-99)
1995	7/12-8/16	333		215	Kobuk	3	tb1-3tfr	wk1	RIR 3A95-30	Table 1	5	CPUE by day, drift and site, 1995
1995	7/12-8/16	333		215	Kobuk	3	tb1-3tfr	wk1	RIR 3A95-30	Table 2	5	mean daily and cumulative CPUE, 1993-95
1995	7/12-8/16	333		215	Kobuk	3	tb1-3tfr	wk1	RIR 3A95-30	Table 3	5	mean daily and cumulative CPUE proportions, 1993-95
1995	7/12-8/16	333		215	Kobuk	3	tb6tfr	wk1	RIR 3A95-30	Table 6	5	CPUE and cumulative CPUE by drift, 1993-95
1995		333		115	Noatak	3			RIR 3A95-29			
1994	7/13-8/30	333		215	Kobuk	3	Report Tables99	Excel	RIR 3A94-35	Table 1-3,6	5	daily and cumulative catch, CPUE, station, proportion (Kobuk TF CPUE 1993-99)
1993	7/12-8/12	333		215	Kobuk	3	Report Tables99	Excel	RIR 3A93-20	Table 1-3,6	5	daily and cumulative catch, CPUE, station, proportion (Kobuk TF CPUE 1993-99)
1991	7/24-8/24	333		115	Noatak	3			RIR 3A92-05	Tbl. 1, 6-8	5	daily and cumulative catch, CPUE, station, proportion
1990	7/17-8/20	333		115	Noatak	3			RIR 3A92-19	Tbl. 1,3,8,18,1	5	daily and cumulative catch, CPUE, station, proportion
1989	7/18-8/24	333		115	Noatak	3			RIR 3N90-03	Tbl. 1,3,8,18,1	5	daily and cumulative catch, CPUE, station, proportion
1988	7/19-8/25	333		115	Noatak	3			RIR 3N89-15	Tbl. 1,3,8,18,1	5	daily and cumulative catch, CPUE, station, proportion
1987		333		115	Noatak	3			Kotz TF Rpt. 4			
1984		333		115	Noatak	3			Kotz TF Rpt. 3			
1983	6/29-8/30	333		115	Noatak	3			NS ESC Rpt. 39	Table 1-2,4	5, 4, char	daily catch, CPUE
1982	7/5-9/6	333		115	Noatak	3			NS ESC Rpt. 33	Table 1-2,4	5, 4, char	catch and CPUE by day
1981	7/1-8/28	333		115	Noatak	3			NS ESC Rpt. 24	Table 6	5	CPUE by day

(continued)

Appendix Table 1.B5. Kotzebue District test fish data inventory for the Kobuk and Noatak Rivers, 1975-1999. (page 2 of 2).

Year	Dates	District	Sub-District	Location Code	Location	Gear Type	Electronic Data		Printed Data		Species[b]	Data
							File Name	File Type	Source[a]	Table		
1980	7/8-9/12	333		115	Noatak	3			not identified	Table 3,4	5, 4, char	CPUE percent by day
1979	7/17-8/30	333		155	Noatak	3			not identified			no tables, 211 chum salmon caugth in 831 hours
1978	7/23-8/31	333		115	Noatak	3			not identified	Table 5,6	5	catch and CPUE by day and site
1976	7/24-8/31	333		115	Noatak	3			Kotz TF Rpt. 2	Table 16	5	catch and hours by sites, daily cum catch and CPUE
1975	7/24-8/30	333		115	Noatak	3			Kotz TF Rpt. 1	Table 14	5	catch and hours by sites, daily cum catch and CPUE

[a] List of reports: RIR (Regional Information Report) 1999-1988; Noatak River Salmon Test Fishing Studies 1987, 84 and 75-76; TF project pages copied out of unidentified reports 1978-80; Norton Sound/Kotzebue escapement reports 1983-81.

[b] Species code: 1-chinook, 2-sockeye, 3-coho, 4-pink, 5-chum.

Appendix Table 1.C1. Kuskokwim Area chinook salmon ASL data inventory, 1964-1999. (page 1 of 5).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data * Raw	Electronic Data * Age Comp. Summary	Electronic Data * Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1999	6/30	335	12	104	Bethel	1	3	1A - 5D	A,S,L	99w11	99w11as	99w11l		190		X	X
1999	6/21 - 7/14	335	40	106	Quinhagak	1	3	1A - 20A	A,S,L	99w41	99w41as	99w41l		662		X	X
1999	7/7 - 7/21	335	50	108	Goodnews	1	3	1A - 17	A,S,L	99w51	99w51as	99w51l		312	X	X	X
1999	7/12 - 8/14	335	30	114	Ignatti	3	19	1 - 33	A,S,L	99kog1	99kog1as	99kog1l		305	X	X	X
1999	6/29 - 7/26	335	50	118	Goodnews	3	19	1 - 9	A,S,L	99gnw1	99gnw1as	99gnw1l		28	X	X	X
1999	7/17 - 7/23	335			George R	3	19	1A - 3C	A,S,L	99geo1	99geo1as	99geo1l		54	X	X	X
1999		335			Tatlawiksuk	3	19	1A	A,S,L	99tat1	99tat1as	99tat1l		15	X	X	X
1998	6/24 - 7/22	335	12	104	Bethel	1	3	1A - 14B	A,S,L	98w11	98w11as	98w11l		437	X	X	X
1998	6/15 - 7/13	335	40	106	Quinhagak	1	3	1A - 19D	A,S,L	98w41	98w41as	98w41l		725	X	X	X
1998	6/30 - 7/20	335	50	108	Goodnews	1	3	1A - 12B	A,S,L	98w51	98w51as	98w51l		404	X	X	X
1998	7/23 - 7/27	335	30	114	Ignatti	3	19	1 - 9	A,S,L	98kog1	98kog1as	98kog1l		86	X	X	X
1998	7/10 - 7/24	335	50	118	Goodnews	3	19	1 - 3	A,S,L	98gnw1	98gnw1as	98gnw1l		8	X	X	X
1998	6/30 - 7/7	335			George R	3	19	1 - 8C	A,S,L	98geo1	98geo1as	98geo1l		75	X	X	X
1998	7/1 - 7/7	335			Tatlawiksuk	3	19	1A - 1B	A,S,L	98tat1	98tat1as	98tat1l		15	X	X	X
1997	6/23	335	12	104	Bethel	1	4	1A - 5A	A,S,L	97w11	97w11as	97w11l		162	X	X	X
1997	6/13 - 7/25	335	40	106	Quinhagak	1		1A - 16D	A,S,L	97w41	97w41as	97w41l		573	X	X	X
1997	6/28 - 7/25	335	50	108	Goodnews	1	3	1A - 17	A,S,L	97w51	97w51as	97w51l		471	X	X	X
1997	6/22 - 7/31	335	40	105	Kanektok	3	2	1 - 22	A,S,L	97kan1	97kan1as	97kan1l		85	X	X	X
1997	7/3 - 7/22	335	30	114	Ignatti	3	19	1 - 49	A,S,L	97kog1	97kog1as	97kog1l		472	X	X	X
1997	6/25 - 7/11	335	50	118	Goodnews	3	19	1 - 22A	A,S,L	97gnw1	97gnw1as	97gnw1l		121	X	X	X
1997	6/24 - 7/27	335			George R	3	19	1 - 24A	A,S,L	97geo1	97geo1as	97geo1l		269	X	X	X
1996	6/17 - 7/12	335	12	104	Bethel	1	3	1A - 18B	A,S,L	R6w11	R6w11as	R6w11l		592	X	X	X
1996	6/22 - 6/29	335	40	106	Quinhagak	1	3	1 - 42	A,S,L	R6w41	R6w41as	R6w41l		399	X	X	X
1996	7/2 - 7/6	335	20	109	Aniak	3	2	1 - 3	A,S,L	~~MISSING~~					X	X	X
1996	7/2 - 7/29	335	30	114	Kogrukluk	3	19	1A - 15B	A,S,L	R6kog1	R6kog1as	R6kog1l		482	X	X	X
1996	7/8 - 7/24	335	50	118	Goodnews	3	19	1 - 6	A,S,L	R6gnw1	R6gnw1as	R6gnw1l		42	X	X	X
1996	8/9 - 8/20	335	50	118	Goodnews	3	19	1A - 6	A,S,L	R6gnm1	R6gnm1as	R6gnm1l		107	X	X	X
1996	6/24 - 7/9	335			George R	3	19	1 - 23	A,S,L	R6geo1	R6geo1as	R6geo1l		191	X	X	X
1996	7/16 - 7/18	335	50	108	Goodnews	7	10	1 - 4	A,S,L	R6gns1	R6gns1as	R6gns1l		32	X	X	X
1996	6/26 - 7/8	335	20	112	Kwethluk		10,2	1 - 6	A,S,L	~~MISSING~~					X	X	X
1995	6/22 - 7/3	335	12	104	Bethel	1	4	1 - 19	A,S,L	R5w11	R5w11as	R5w11l		578	X	X	X
1995	6/13 - 6/26	335	40	106	Quinhagak	1	3	1 - 63	A,S,L	R5w41	R5w41as	R5w41l		603	X	X	X
1995	6/29	335	50	108	Goodnews	1		1 - 21	A,S,L	R5w51	R5w51as	R5w51l		196	X	X	X
1995	6/7 - 6/19	335	12	104	Bethel	2	3	1 - 15D	A,S,L	R58dlk1	R58dlk1as			157	X	X	X
1995	6/9 -6/15	335	12	104	Bethel	2	4	1 - 7	A,S,L	R58djh1	R58djh1as			58	X	X	X
1995	6/8 - 6/16	335	12	104	Bethel	2	3	2 - 7	A,S,L	R585dr1	R585dr1as			46	X	X	X
1995	6/9 - 7/13	335	12	104	Bethel	2	4	1 - 18	A,S,L	R58set1	R58set1as			84	X	X	X
1995	6/2 - 7/1	335	20	112	Kwethluk	2	3	1 - 9	A,S,L	R58dep1	R58dep1as			66	X	X	X
1995	7/6 - 8/9	335	30	114	Ignatti	3	19	1 - 64	A,S,L	R5kog1	R5kog1as	R5kog1l		533	X	X	X
1995	6/20 - 8/7	335	50	118	Goodnews	3	19	1 - 42	A,S,L	R5gn1	R5gn1as	R5gn1l		308	X	X	X
1995	6/6-7/18	335	12	104	Bethel	5	3,4	*	A,S,L	~~MISSING~~					X	X	X
1995	6/8-7/2	335	12	104	Bethel	5	3	1-4,17,23	A,S,L	~~MISSING~~					X	X	X
1995	6/8-7/30	335	12	104	Bethel	5	3	1-47	A,S,L	~~MISSING~~					X	X	X
1995	6/1-7/7	335	12	104	Bethel	5	3	1-6, 24-38	A,S,L	~~MISSING~~					X	X	X
1995	6/13-6/22	335	12	104	Bethel	5	3	7-23	A,S,L	~~MISSING~~					X		
1995	6/13-7/6	335	12	104	Bethel	5	4	1-15	A,S,L	~~MISSING~~					X	X	X
1995	6/15-7/4	335	12	104	Bethel	5	4	10,12-19	A,S,L	~~MISSING~~					X	X	X
1995	6/13-7/8	335	12	104	Bethel	5	4	1,11-18	A,S,L	~~MISSING~~					X	X	X
1995	6/14	335	12	104	Bethel	5	4	1	A,S,L	~~MISSING~~					X	X	X
1995	6/3 - 7/3	335	12	104	Bethel	5	3	1 - 46	A,S,L	~~MISSING~~						X	X
1994	6/24	335	12	104	Bethel	1	4	1A - 6B	A,S,L	94w11	94w11as	94w11l	220	208	X	X	X
1994	6/15 - 7/6	335	40	106	Quinhagak	1	3	1 - 42	A,S,L	94w41	94w41as			326	X	X	X
1994	6/27 - 6/30	335	50	108	Goodnews	1		1 - 20	A,S,L	Gncgkg94	Gncgkg94as			150	X	X	X
1994	6/13 - 6/16	335	12	104	Bethel	2	4	1A - 4B	A,S,L	Sub94k80	Sub94k80as			83	X	X	X
1994	5/30 - 6/26	335	12	104	Bethel	2	4	1 - 10B	A,S,L	94sub1	94sub1as			51	X	X	X
1994	7/3 - 7/18	335	30	114	Ignatti	3	19	1A - 7B	A,S,L	Kog94k	Kog94kas	Kog94kl		232	X	X	X
1994	6/26 - 7/3	335	50	118	Goodnews	3	19	1 -6	A,S,L	Gnewkg94	Gnewkg94as			208*	X	X	X
1994	7/20 - 7/28	335	50	118	Goodnews	3	19	7 - 31	A,S,L	Gnewkg94	Gnewkg94as			208*	X	X	X
1994	6/30 - 8/9	335	14	080	Tuluksak	3	19	1 - 27	A,S,L	Tul94k	Tul94kas	Tul94kl		475	X	X	X
1994	6/5 - 7/9	335	12	104	Bethel	5	3	1 - 46	A,S,L	Bt94k80d	Bt94k80das			92	X	X	X
1994	6/1 - 8/1	335	12	104	Bethel	5	3	1 - 47	A,S,L	Bt94k54d	Bt94k54das			99	X	X	X
1994	6/2 - 8/10	335	12	104	Bethel	5	3	1 - 65	A,S,L	Bt94k65d	Bt94k65das			81	X	X	X
1994	6/15.	335	12	104	Bethel	5	4	1	A,S,L	Bt94k27s	Bt94k27sas			1	X	X	X
1994	6/9 - 8/5	335	12	104	Bethel	5	4	1 - 9	A,S,L	Bt94k55s	Bt94k55sas			8	X	X	X
1994	6/1 - 7/5	335	12	104	Bethel	5	3	1 - 27	A,S,L	Bt94k40d	Bt95k40das			39	X	X	X
1994	6/6 - 7/13	335	12	104	Bethel	5	4	1 - 19	A,S,L	Bt94k65s	Bt94k65sas			27	X	X	X
1994	6/8 - 7/4	335	12	104	Bethel	5	4	1 - 12	A,S,L	Bt94k40s	Bt94k40sas			11	X	X	X

(continued)

Appendix Table 1.C1. Kuskokwim Area chinook salmon ASL data inventory, 1964-1999. (page 2 of 5).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data # Raw	Electronic Data # Age Comp. Summary	Electronic Data # Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1993	6/25	335	12	104	Bethel	1	3	1A - 36	A,S,L	93w11	93w11as	93w11l	106	102	X	X	X
1993	6/1 - 7/12	335	40	106	Quinhagak	1	4	1 - 42	A,S,L	93w41	93w41as				X	X	X
1993	6/28 - 7/2	335	50	108	Goodnews	1	4	1 - 23	A,S,L	Gncgkg93	93w51as				X	X	X
1993	5/31-6/4	335	12	104	Bethel	2	3	1-12*	A,S,L	Sub93	Sub93as			122	X	X	X
1993	6/8-6/10	335	12	104	Bethel	2	3	1-12*	A,S,L	Sub93B	Sub93as			105	X	X	X
1993	7/10 - 7/24	335	30	114	Ignatti	3	19	1 - 33	A,S,L	Kog93k	Kog93kas	Kog93kl		313	X	X	X
1993	6/24 - 6/26	335	50	118	Goodnews	3	19	1 - 7	A,S,L	Gnewkg93	Gnewkg93as			31	X	X	X
1993	6/19 - 8/17	335	40	080	Tuluksak	3	19	1A - 34	A,S,L	Tul93k	Tul93kas	Tul93kl		619	X	X	X
1993	6/1 - 7/1	335	12	104	Bethel	5	3	1 - 87	A,S,L	Btf93k8	Btf93k8as				X	X	X
1993	6/1-6/28	335	12	104	Bethel	5		1-84	A,S,L	Btf93k6	Btf93k6as						
1993	6/1-6/30	335	12	104	Bethel	5		1-86	A,S,L	Btf93k5	Btf93k5as						
1993	6/1-6/26	335	12	104	Bethel	5		1-80	A,S,L	Btf93k4	Btf93k4as						
1992	6/18	335	10	104	Bethel	1	4	1A - 6D	A,S,L	92w141	92w141as	92w141l	763*	717*	X	X	X
1992	6/25	335	12	104	Bethel	1	4	12A - 15D	A,S,L	92w141	92w141as	92w141l	763*	717*	X	X	X
1992	6/22	335	12	104	Bethel	1	4	7A - 10C	A,S,L	92w141	92w141as	92w141l	763*	717*	X	X	X
1992	6/29	335	12	104	Bethel	1	4	16A - 21C	A,S,L	92w141	92w141as	92w141l	763*	717*	X	X	X
1992	6/15 - 7/13	335	40	106	Quinhagak	1	3	1 - 74	A,S,L	92w41	92w41as		599	501	X	X	X
1992	6/22 - 8/3	335	50	108	Goodnews	1	3	1A - 12A	A,S,L	Gncgkg92	Gncgkg92as			140	X	X	X
1992	6/13 - 6/17	335	12	104	Bethel	2	4	1 - 11	A,S,L	~~MISSING~~					X	X	X
1992	6/15 - 6/24	335	20	109	Aniak	2	3	1 - 3	A,S,L	92sub41					X	X	X
1992	7/6 - 7/22	335	30	114	Ignatti	3	19	1 - 38	A,S,L	92kog41	92kog41as	92kog41l		349	X	X	X
1992	7/13 - 8/2	335	50	118	Goodnews	3	19	1A - 12A	A,S,L	Gnewkg92	Gnewkg92as				X	X	X
1992	6/25 - 6/26	335	13		Kwethluk	3	19	2A - 3A	A,S,L	92kwe41	92kwe41as	92kwe41l		759	X	X	X
1992	6/26 - 8/25	335	40	080	Tuluksak	3	19	1 - 38A	A,S,L	92tul41	92tul41as	92tul41l		538			X
1992	7/4	335	14		Tuluksak	3	19	9B,9D	A,S,L	92tul41	92tul41as	92tul41l				X	X
1992	7/30-7/31	335			McGrath	3	4	1-3	A,S,L	~~MISSING~~					X	X	X
1992	6/10-7/4	335	12	104	Bethel	5	3,4	1-30	A,S,L	~~MISSING~~						X	X
1992	6/16	335	20	109	Aniak	5	3	1A - 3B	A,S,L	~~MISSING~~						X	X
1991	6/20	335	12	104	Bethel	1		1A - 5D		~~MISSING~~						X	X
1991	7/6	335	10	104	Bethel	1	3 ,4	38 - 46		91w11/length	91w11as/lengthas	91w11lengthl		420*		X	X
1991	7/13	335	10	104	Bethel	1	4	47 - 51		91w11/length	91w11as/lengthas	91w11lengthl		420*		X	X
1991	6/24	335	12	104	Bethel	1	4	21 - 37		91w11	91w11as/lengthas	91w11lengthl		420*		X	X
1991	6/20	335	12	104	Bethel	1	3	1-23	S,L	91w11/length	91w11as/lengthas	91w11lengthl		420*	X		
1991	6/20 - 7/19	335	40	106	Quinhagak	1	3 , 4	1 - 53		Qhcgkg91	Qhcgkg91as					X	X
1991	6/20 - 7/26	335	50	108	Goodnews	1	3	1 - 33		Gncgkg91	Gncgkg91as					X	X
1991	June	335	12	104	Bethel	2	3 , 4	1 - 17	A	Betskg91	Betskg91as					X	X
1991	6/30-7/25	335	50	108	Goodnews	2	3	1-4	A	~~MISSING~~							
1991	7/6 - 7/23	335	30	114	Ignatti	3	19	1 - 35		Kogwkg91	Kogwkg91as	Kogwkg91l		315	X	X	X
1991	7/2 - 8/18	335	50	118	Goodnews	3	12,19	1 - 52		Gnewkg91	Gnewkg91as					X	X
1991	6/23 - 8/12	335	40	080	Tuluksak	3		1 - 36		Tulwkg91	Twking91as	Tulwkg91l		346		X	X
1991	7/24 - 8/11	335	20	112	Kwethluk	4	12	1 - 16		~~MISSING~~							X
1990	6/20 - 7/22	335	12	104	Bethel	1	3	1 - 13	A,S,L	90W11	90w11as	90w11l	465	407	X		
1990	6/14 - 7/2	335	40	106	Quinhagak	1	3	1 - 41	A,S,L	Qhcgkg90	Qhcgkg90as	Table_04			X	X	X
1990	6/20 - 7/5	335	50	108	Goodnews	1	4	1 - 19	A,S,L	Gncgkg90	Gncgkg90as	Table_04		35	X	X	X
1990	6/30 - 7/22	335	30	110	Ignatti	3	19	1 - 41	A,S,L	Kogwkg90	kogwkg90as	Kogwkg90l		367	X		
1990	7/6 - 7/21	335	50	118	Goodnews	4	2	1 - 7	A,S,L	Gneskg90	Gneskg90as	Table-05			X	X	X
1989	6/19 - 7/5	335	10	104	Bethel	1	3	1 - 41	A,S,L	89w11	Appc1	W189s		359	X	X	X
1989	6/17 - 6/20	335	10	104	Bethel	1	4	1 - 15	A,S,L	~~MISSING~~				358	X	X	X
1989	6/15 - 7/12	335	40	106	Quinhagak	1	3	1A - 15	A,S,L	W489s1	Appc3	Table_04		943	X	X	X
1989	6/19 - 7/14	335	50	108	Goodnews	1	4	1A - 11A	A,S,L	W589s1	Appc4	Table_04		250	X	X	X
1989	6/19-9/01	335		104	Bethel	2					Appc5						
1989	6/15-9/08	335		106	Quinhagak	2					Appc6						
1989	6/19-9/08	335		108	Goodnews	2					Appc7						
1989	7/7 - 7/14	335	30	110	Kogrukluk	3	19	1 - 24	A,S,L	Kogwkg89	Kogwkg89as	Kogwkg89l		217	X	X	X
1989	7/21 - 7/27	335	50	118	Goodnews	3	4	1 - 6	A,S,L	Gnnf8941	Table_05	Table_06		32	X	X	X
1989	7/29 - 7/31	335	20	112	Kwethluk	4	10,12	1 - 16	A,S,L	Kwet8941	Table_05	Table_06		57	X	X	X
1989	7/28	335	*	117	Salmon R	4	4	1 - 5	A,S,L	Salm8941	Table_05	Table_06		33	X	X	X
1989	8/8	335	*	119	Pitka Fork	4	4	1	A,S,L	Pitk8941	Table_05	Table_06	2	1	X	X	X
1989	7/30 - 7/31	335	*	*	Aniak	4	4	1 - 6	A,S,L	Ania8941	Table_05	Table_06		34	X	X	X
1989	7/13 - 7/17	335	*	*	Eek R	4	10	1 - 9	A,S,L	Eek8941	Table_05	Table_06		48	X	X	X
1989	7/30	335	*	*	Kipchuck	4	4	1 - 5	A,S,L	Kipc8941	Table_05	Table_06		36	X	X	X
1989	7/26	335	40	105	Kanektok	4	4	1 - 9	A,S,L	Kane8941	Table_05	Table_06		54	X	X	X
1988	7/16 - 7/5	335	10	104	Bethel	1		1 - 74		~~MISSING~~	88w11as			646		X	X
1988	6/14 - 8/1	335	40	106	Quinhagak	1	3	1 - 64	A,S,L	~~MISSING~~				592	X	X	X
1988	6/20 - 7/11	335	50	108	Goodnews	1	4	1 - 54	A,S,L	~~MISSING~~				475	X	X	X
1988	7/6 - 7/27	335	30	110	Kogrukluk	3	19	1 - 101	A,S,L	Kogwkg88	Kogwkg88as	Kogwkg99l	936	867	X	X	X
1988	8/9 - 8/10	335	50	118	Goodnews	3		1 - 11	A,S,L	~~MISSING~~				94	X	X	X
1988	7/7	335	20		Nyac	3	19	1 - 2	A,S,L	~~MISSING~~					X	X	X

(continued)

Appendix Table 1.C1. Kuskokwim Area chinook salmon ASL data inventory, 1964-1999. (page 3 of 5).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data * Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1987	6/18	335	10	104	Bethel	1		1- 60		MISSING	87w11as			550		X	X
1987	6/18 - 6/25	335	10	106	Quinhagak	1	4	1A - 15C	A,S,L	MISSING					X	X	X
1987	6/24 - 7/15	335	50	108	Goodnews	1	4	1 - 31A	A,S,L	MISSING					X	X	X
1987	6/22 - 7/	335	10	104	Bethel	2		1 - 52	A,S,L	MISSING					X	X	X
1987	7/5 - 7/19	335	50	110	Holitna	2	2,4	1 - 7	A,S,L	MISSING				37	X	X	X
1987	8/10 - 8/14	335	30	110	Kogrukluk	3	19	1 - 6	A,S,L	Kogwkg87B	Kogwkg87Bas	Kogwkg87Bl	125	117	X	X	X
1987	7/15	335	30	110	Kogrukluk	3	19	1 - 13	A,S,L	Kogwkg87	Kogwkg87as	Kogwkg87l	27	24		X	X
1987	8/9 - 8/24	335	30	110	Kogrukluk	3	19	1 - 32		MISSING						X	X
1987		335	20		Nyac	3			A,S,L	MISSING					X	X	X
1987	7/15 - 8/3	335	40	105	Kanektok	4	2	1 - 45		MISSING				381		X	X
1987	7/1 - 7/30	335	50	118	Goodnews	4	2	2 - 14	A,S,L	MISSING				39	X	X	X
1986	6/26 - 7/7	335	10	104	Bethel	1	3	1 - 19		MISSING	86w11as			142		X	
1986	6/19 - 7/3	335	40	106	Quinhagak	1	4	1A - 15A		MISSING				502		X	X
1986	6/19 - 6/27	335	50	108	Goodnews	1	3	1A - 11C		MISSING				363		X	X
1986	7/8 - 7/31	335	10	104	Bethel	2	3	1 - 10	A,S,L	MISSING					X	X	X
1986	6/18 - 7/11	335	40	105	Kanektok	3	2	1- 9		MISSING						X	X
1986		335	40	105	Kanektok	3	12	1 - 18		MISSING						X	X
1986		335	40	105	Kanektok	3			A,S,L	MISSING					X	X	X
1986	7/12 - 7/19	335	30	110	Kogrukluk	3	19	1 - 83	A,S,L	Kogwkg86	Kogwkg86as	KOGWKG86l	737	679	X	X	X
1986	7/17 -	335	10	111	Kisaralik	4	10	1	A,S,L	MISSING			7		X	X	X
1986	7/5	335	50	118	Goodnews	4	2	1	A,S,L	MISSING					X	X	X
1985	6/20 - 7/4	335	10	104	Bethel	1	3	1 - 70	A,S,L	85w11	85w11as		700	637		X	X
1985	6/20 - 7/8	335	40	106	Quinhagak	1	4	1A - 16D	A,S,L	W48541gn			611	570	X	X	X
1985	6/21 - 7/11	335	50	108	Goodnews	1	3	1 - 58	A,S,L	W58541gn			584	536	X	X	X
1985	7/6 - 7/31	335	40	105	Kanektok	3	2	1 - 22	A,S,L	Ks8541bs			146	131		X	X
1985	7/9 - 7/29	335	20	109	Aniak	3	3	1 - 13	A,S,L	As8541gn			12	11	X	X	X
1985	8/2 - 8/7	335	20	109	Aniak	3	12	1 - 7	A,S,L	MISSING			54			X	X
1985	7/7 - 8/12	335	30	110	Kogrukluk	3	19	1 - 125	A,S,L	Kogwkg85	Kogwkg85as	Kogwkg85l	1,132	1,044	X	X	X
1985	8/5 - 8/11	335	40	105	Kanektok	4	12	1A - 19D	A,S,L	Kr8541ca			583	530	X	X	X
1985	8/9 -	335	50	118	Goodnews	4	12	1 - 3	A,S,L	Gr8541ca			26	19		X	X
1985	6/30	335	40	105	Kanektok	7	10	1 - 3	A,S,L	Kr8541sf			24	22		X	X
1984	6/18 - 7/16	335	10	104	Bethel	1	3	1 - 24	A,S,L	MISSING	84w11as	Ce00484		670	X	X	X
1984	6/18 - 7/13	335	40	106	Quinhagak	1	4	1 - 19	A,S,L	MISSING		Ce00484	600		X	X	X
1984	6/25 - 7/30	335	50	108	Goodnews	1	4	1 - 18	A,S,L	MISSING		Ce00484	600		X	X	X
1984	6/28 - 8/14	335	50	110	Ignatti	3	19	1 - 70	A,S,L	Kogwkg84	Kogwkg84as	Kogwkg84l	1,507	1,376	X	X	X
1984	6/19 - 6/29	335	40	105	Kanektok	4	2	1 - 25	A,S,L	MISSING	Ce00584	Ce00684	55		X	1 - 2	X
1984	8/8 - 8/13	335	40	105	Kanektok	4	12	1 - 16	A,S,L	MISSING	Ce00584	Ce00684	540		X	X	X
1984	8/7 - 8/11	335	50	118	Goodnews	4	12	1 - 5	A,S,L	MISSING	Ce00584	Ce00684	130		X	X	X
1983	5/27 - 7/14	335	40	102	Kwegooyuk	1	4	1 - 52	A,S,L	MISSING			~200		X	X	
1983	5/27 - 6/22	335	40	102	Kwegooyuk	1	4	1 - 92	A,S,L	MISSING			~800		X	X	
1983	6/13	335	10	104	Bethel	1	4	1 - 146	A,S,L	MISSING			1,400	1,261	X	X	X
1983	6/13 - 7/18	335	40	106	Quinhagak	1	4	1 - 82	A,S,L	MISSING			820		X	X	X
1983	6/16 - 7/18	335	50	108	Goodnews	1	4	1 - 71	A,S,L	MISSING			700		X	X	X
1983	6/2 - 7/27	335	20	109	Aniak	3	4	1 - 3	A,S,L	MISSING			*11		X	X	X
1983	6/2 - 7/27	335	20	109	Aniak	3	4	1	A,S,L	MISSING			*11		X	X	X
1983	6/2 - 7/27	335	20	109	Aniak	3	4	1 - 3	A,S,L	MISSING			*11		X	X	X
1983	6/2 - 7/27	335	20	109	Aniak	3	2	1 - 2	A,S,L	MISSING			*11		X	X	X
1983	6/25 - 8/30	335	30	110	Ignatti	3	19	1 - 60	A,S,L	MISSING			400		X	X	X
1983	8/4	335	40	105	Kanektok	4	12	1 - 67	A,S,L	MISSING	83w11as		666		X	X	X
1983		335	40	105	Kanektok	4	10	1 - 11		MISSING						1- 1	1- 11
1983		335	50	118	Goodnews	4	12	1 - 16	A,S,L	MISSING			153		X	X	X
1982	6/14 - 8/19	335	10	104	Bethel	1	3	1- 33	L,A	MISSING	82w11as		838	711	X	X	X
1982	6/18 - 7/29	335	40	106	Quinhagak	1	4	1 - 22	L,A	MISSING			588		X	X	X
1982	6/22 - 7/20	335	50	108	Goodnews	1	4	1 - 7	L,A	MISSING			194		X	X	X
1982	7/9 - 8/5	335	30	110	Ignatti	3	19	1 - 28	A,S,L	MISSING			437		X	X	X
1982	July	335	30	119	Salmon R	3	19	1 - 6	A,S,L	MISSING			155		X	X	X
1982	7/1 - 7/21	335	20	109	Aniak	4	3	1- 37	A,S,L	MISSING			61		X	X	X
1982	6/8 - 7/13	335	10	102	Kwegooyuk	5	4	1 - 26	L,A	MISSING			251		X	X	X
1981	6/10 - 7/9	335	10	104	Bethel	1	4	101 - 122	A,S,L	MISSING	81w11as		526	459	X	X	X
1981	5/28 - 7/9	335	10	105	Kwegooyuk	1	4	1 - 41	A,S,L	MISSING			862		X	X	X
1981	6/16 - 7/29	335	40	106	Quinhagak	1	4	1- 24	A,S,L	MISSING			690		X	X	X
1981	6/19 - 7/21	335	50	108	Goodnews	1	4	1 - 10	A,S,L	MISSING			290		X	X	X
1981	7/23 - 8/5	335	20	109	Aniak	3	19	1 - 5	A,S,L	MISSING			46		X	X	X
1981	6/28 - 9/16	335	30	110	Holitna	3	19	1-29,31-33	A,S,L	MISSING			900		X	X	X
1981	6/24 - 7/30	335	30	116	Salmon R	3	19	1 - 6	A,S,L	MISSING			151		X	X	X
1981	6/4 - 6/28	335	10	105	Bethel	5	4	1 - 22	A,S,L	MISSING			191		X	X	X

(continued)

Appendix Table 1.C1. Kuskokwim Area chinook salmon ASL data inventory, 1964-1999. (page 4 of 5).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data * Raw	Electronic Data * Age Comp. Summary	Electronic Data * Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1980	6/12 - 7/9	335	10	104	Bethel	1	3	1 - 13	L,A	MISSING	80w11as		303	278	X		X
1980	6/13 - 7/28	335	40	106	Quinhagak	1	4	1 - 23	L,A	MISSING			659	572	X	X	X
1980	6/30 - 7/25	335	50	108	Goodnews	1	3	1 - 4	A	MISSING			51		X	X	X
1980	7/2 - 8/4	335	30	110	Kogrukluk	1		1 - 7	A,S,L	MISSING			140		X		X
1980	6/24 - 7/26	335	20	109	Aniak	3	4	1 - 2	A,S,L	MISSING			40		X	X	X
1980	5/23 - 7/8	335	10	102	Kwegooyuk	5	4	1 - 27	L,A	MISSING			740	525	1 - 2	1,3-2	2,3
1979	6/11 - 7/10	335	10	104	Bethel	1	3	1 - 13	L,A	MISSING	79w11as		302	248	X	X	X
1979	6/12 - 7/10	335	40	106	Quinhagak	1	3	1 - 13	L,A	MISSING			386	286	X	X	X
1979	7/1 - 7/24	335	30	110	Kogrukluk	3	19	1 - 24	A,S,L	MISSING			485		X		X
1979	5/22 - 7/10	335	11	102	Kwegooyuk	5	4	1 - 36	L,A	MISSING			342	268	X	X	X
1978	6/9 - 6/23	335	10	104	Bethel	1	3	1 - 12	A,S,L	MISSING	78w11as		360	290	X	X	X
1978	6/19 - 7/8	335	40	106	Quinhagak	1	3	1 - 15A	A,S,L	MISSING			360	234	X	X	X
1978	6/30,7/4	335	50	108	Goodnews	1	3	1,4	A,S,L	MISSING			40		X	X	X
1978	6/28 - 7/29	335	30	110	Kogrukluk	3		1 - 29	A,S,L	MISSING			611	511	X	X	X
1978	6/22 - 7/15	335	20	112	Kwethluk	3	8	1 - 2		MISSING			13			X	X
1978	5/23 - 7/14	335	11	102	Kwegooyuk	5	4	1 - 81	A,S,L	MISSING			825	498	X	X	X
1977	6/9 - 7/3	335	11	102	Kwegooyuk	1	4	1 - 6	A,S,L	MISSING			65		X		X
1977	6/6 - 7/9	335	11	102	Kwegooyuk	1	4	1 - 28	A,S,L	MISSING			630	616	X		X
1977	6/15 - 7/15	335	10	104	Bethel	1	3	1 - 13	A,S,L	MISSING	77w11as		289	234	X		
1977	6/17 - 7/26	335	40	106	Quinhagak	1	3	1 - 21	A,S,L	MISSING			570		X	X	X
1977	7/1	335	50	108	Goodnews	1	3	1 - 2	A,S,L	MISSING			60		X	X	X
1977	7/14-7/27	335	30	110	Holitna	4			A,S,L	MISSING				1,373			
1976	6/17 - 7/12	335	10	104	Bethel	1	3	1 - 10		MISSING	76w11as		267	224		X	X
1976	6/22 - 7/24	335	40	106	Quinhagak	1	3	1 - 31	A,S,L	MISSING			381	349	X	X	X
1976	7/1 - 7/25	335	30	110	Kogrukluk	3	19	*	A,S,L	MISSING			440		X		
1976	6/5 - 6/26	335	11	102	Kwegooyuk	5	1	1 - 85	A,S,L	MISSING			1,019	947	X	X	5,7-8
1975	6/16 - 6/30	335	10	104	Bethel	1		1-7,10-16	A,S,L	MISSING	75w11as		300	185	X	X	X
1975	7/4 - 7/31	335	40	106	Quinhagak	1	3	1 - 9	A,S,L	MISSING			260	200	X	X	X
1975	6/24	335	12	109	Aniak	3		1	A,S,L	MISSING			27		X	X	X
1975	6/5 - 7/16	335	11	102	Kwegooyuk	5	4	1 - 48, 50	A,S,L	MISSING			673	455	X	X	X
1974	5/26 - 8/3	335	11	102	Kwegooyuk	1		1-18,20-72	A,S,L	MISSING			966	730	X	X	X
1974	6/10-7/5	335	10	104	Bethel	1	3		A,S,L	MISSING	74w11as			113			
1974	6/24 - 8/5	335	40	106	Quinhagak	1	3	1 - 14	A,S,L	MISSING			270	150	X	X	X
1974	7/11 - 7/24	335	50	108	Goodnews	1	3	1 - 3	A,S,L	MISSING			24	17	X	X	X
1974	6/10 - 7/4	335	11	113	Johnson R	1	3	1 - 8	S,L,W,A	MISSING			176	119	X	X	X
1973	6/15 - 7/15	335	10	102	Kwegooyuk	1	4	1 - 32	A,S,L	MISSING			295	244	X	X	X
1973	6/8 - 6/19	335	10	104	Bethel	1	3	1 - 20	S,L,W,A	MISSING			540	449	X	X	X
1973	6/23 - 7/19	335	40	106	Quinhagak	1	3	1-6,9-10		MISSING			330		X	X	X
1973	7/3-12,6/22	335	50	108	Goodnews	1	3	1-3, 1	A,S,L	MISSING			120		1	X	X
1973	8/2 - 8/9	335	30	110	Holitna	4	2	3,5,6	A,S,L	MISSING			17		X	X	X
1972	6/10 - 7/14	335	10	102	Kwegooyuk	1	4	1 - 30	A,S,L	MISSING			428		X	X	
1972	6/16 - 8/9	335	10	104	Bethel	1		1 - 50	S,L,W,A	MISSING			631		X	X	X
1972	8/5	335	30	110	Kogrukluk	3		4,7	A,S,L	MISSING			4		7	4	4
1971	6/8 - 7/11	335	10	102	Kwegooyuk	1	4	1 - 37	A,S,L	MISSING			143		X		
1971	6/15 - 7/6	335	10	104	Bethel	1		1 - 44	A,S,L	MISSING			900		X		
1971	7/13	335	00	114	Kogrukluk	3	19	2	A,S,L	MISSING			23		X		
1970	6/3 - 7/6	335	10	102	Kwegooyuk	1	4	3-5,8	A,S,L	MISSING			112		X	X	X
1970	6/3	335	10	104	Bethel	1	4	1	S,L,W,A	MISSING			30		X	X	X
1970	6/23 - 7/6	335	40	106	Quinhagak	1	3	1 - 22	A,S,L	MISSING			300		X	X	X
1969		335	10	104	Bethel	1		1 - 29		MISSING			185				X
1969		335	00	105	Kanektok	1		5,7,8	L,A	MISSING			90		X		X
1969	6/24 - 7/7	335	40	106	Quinhagak	1	3	4 - 28	A,S,L	MISSING			270		X		X
1969		335	50	108	Goodnews	1		1 - 27		MISSING			200				X
1969	6/23 - 7/	335	00	114	Kashegelok	1		*	A,S,L	MISSING			93		X	33	X
1969	5/30 - 7/15	335	10	102	Kwegooyuk	5	4	1 - 46	S,L,W,A	MISSING			780		X		X
1968		335	10	104	Bethel	1	3		S,L,W	MISSING			705		(26)	(36)	(25)
1968	6/21 - 7/22	335	40	106	Quinhagak	1	3	1 - 24	S,L,W,A	MISSING			242		X	X	X
1968	8/18 - 8/20	335	00	110	Holitna	5		1 - 3	S,L,W,A	MISSING			13		X		1,3

(continued)

Appendix Table 1.C1. Kuskokwim Area chinook salmon ASL data inventory, 1964-1999. (page 5 of 5).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1967	6/2 - 6/23	335	10	104	Bethel	1	3	1 - 29	S,L,W,A	~~MISSING~~			728		2 - 2	X	2 - 29
1967	5/22 - 6/7	335	11	102	Quinhagak	1	4	1 - 20	S,L,W,A	~~MISSING~~			373		X	X	X
1966	6/13 - 7/28	335	10	104	Bethel	1	4	1 - 19	S,L,W,A	~~MISSING~~			537		X	X	X
1965	6/7 - 6/21	335	10	104	Bethel	1	4	1-4,16-18	S,L,W,A	~~MISSING~~			472		X	X	X
1964	6/15 - 6/27	335	10	104	Bethel	1	4	1 - 31		~~MISSING~~			681			X	X

[a] Not all historic electronic data has been located. Data may not have been transferred to electronic media; files may have been corrupted; or missing 5 1/4 disks still need to be located.

[b] All raw data files are of ASCII type, with the exception of 1999-2000 Yukon files having the extension of JUN. These files have been created in Excel.

[c] Refer to tables 1.1-1.6 for descriptions of corresponding file formats.

[d] Age comp and length summary files may be opened with Kedit (PRN, AS, L), Word (DOC, WP, WP5), and Excel (WKAL, XLS, WK3, WK1, WKS)

[e] RIR - Regional Information Report, TDR - Technical Data Report, TFR - Technical Fisheries Report, AWL - Age, Sex, and Size Composition Report, AMR- Annual Management Report, AAFI - Arctic Anadromous Fish Investigations

[f] Refer to table 1.1 for listing of all ASL source reports.

[g] The 1999 published ASL progress report (RIR 3A00-18) does not contain historical ASL tabular data. Electronic copies are available upon request.

Appendix Table 1.C2. Kuskokwim Area chum salmon ASL data inventory, 1964-1999. (page 1 of 4).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data* Raw	Electronic Data* Age Comp Summary	Electronic Data* Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1999	6/30 - 8/7	335	12	104	Bethel	1	3	1 - 8	A,S,L	99w15	99w15as	99w15l		268		X	X
1999	6/24 - 7/19	335	40	106	Quinhagak	1	3	1 - 23	A,S,L	99w45	99w45as	99w45l		814		X	X
1999	7/7 - 7/21	335	50	108	Goodnews	1	3 or 4	1 - 12	A,S,L	99w55	99w55as	99w55l		455	X	X	X
1999	7/3 - 7/29	335	20	109	Aniak	3	2	1 - 30	A,S,L	99ani5	99ani5as	99ani5l		887	X	X	X
1999	7/8 - 8/3	335	30	114	Ignatti	3	19	1 - 21	A,S,L	99kog5	99kog5as	99kog5l		737	X	X	X
1999	7/8 - 7/29	335	50	118	Goodnews	3	19	1 - 19	A,S,L	99gnw5	99gnw5as	99gnw5l		672	X	X	X
1999	7/11 - 8/9	335			George R	3	19	1A - 16D	A,S,L	99geo5	99geo5as	99geo5l		611	X	X	X
1999	7/9 - 8/9	335			Tatlawiksuk	3	19	1A - 22D	A,S,L	99tat5	99tat5as	99tat5l		856	X	X	X
1998	6/24 - 8/11	335	12	104	Bethel	1	3	1 - 39D	A,S,L	98w15	98w15as	98w15l	1,461	1,433	X	X	X
1998	6/15 - 7/28	335	40	106	Quinhagak	1	3 or 4	1 - 24	A,S,L	98w45	98w45as	98w45l	884	857	X	X	X
1998	6/30 - 7/20	335	50	108	Goodnews	1	3 or 4	1 - 13	A,S,L	98w55	98w55as	98w55l	484	469	X	X	X
1998	7/1 - 7/30	335	20	109	Aniak	3	2	1 - 32	A,S,L	98ani5	98ani5as	98ani5l	1,113	1,044	X	X	X
1998	7/23 - 7/26	335	30	114	Ignatti	3	19	1 - 20	A,S,L	98kog5	98kog5as	98kog5l	200	193	X	X	X
1998	7/9 - 7/30	335	50	118	Goodnews	3	19	1 - 19	A,S,L	98gnw5x	98gnw5xas	98gnw5xl	530	505	X	X	X
1998	6/30 - 7/7	335			George R	3	19	1 - 10D	A,S,L	98geo5	98geo5as	98geo5l		322	X	X	X
1998	6/29 - 7/7	335			Tatlawiksuk	3	19	1A - 9B	A,S,L	98tat5	98tat5as	98tat5l			X	X	X
1997	6/23 - 8/6	335	12	104	Bethel	1	3	1 - 11	A,S,L	97w15	97w15as	97w15l		355	X	X	X
1997	6/18 - 8/6	335	40	106	Quinhagak	1	3	1 - 33	A,S,L	97w45	97w45as	97w45l		1,221	X	X	X
1997	6/28 - 7/25	335	50	108	Goodnews	1	3	1 - 21	A,S,L	97w55	97w55as	97w55l		805	X	X	X
1997	6/19 - 8/19	335	40	105	Kanektok	3	2	1 - 46	A,S,L	97kan5	97kan5as	97kan5l		1,096	X	X	X
1997	6/29 - 7/28	335	20	109	Aniak	3	2	1 - 31	A,S,L	97ani5	97ani5as	97ani5l		853	X	X	X
1997	7/3 - 8/5	335	30	114	Ignatti	3	19	1 - 27	A,S,L	97kog5	97kog5as	97kog5l		641	X	X	X
1997	7/17 - 7/28	335	50	118	Goodnews	3	19	1 - 16	A,S,L	97gnw5	97gnw5as	97gnw5l		526	X	X	X
1997	7/4 - 8/13	335			George R	3	19	1A - 24B	A,S,L	97geo5	97geo5as	97geo5l		641	X	X	X
1997	7/1 - 7/7	335			Kolt R	3	2	1 - 5	A,S,L	MISSING					X	X	X
1997		335	12	104	Bethel	5	3	1	A,S,L	MISSING					X	X	X
1997	6/15 - 6/17	335	12	104	Bethel	5	3	1 - 10	A,S,L	MISSING					X	X	X
1996	617 - 8/3	335	12	104	Bethel	1	3	1 - 57	A,S,L	R6w15	R6w15as	R6w15l		2,169	X	X	X
1996	7/11 - 7/20	335	40	106	Quinhagak	1		1 - 19	A,S,L	R6w45	R6w45as	R6w45l		615	X	X	X
1996	7/15	335	50	108	Goodnews	1	3	1 - 5	A,S,L	R6w55	R6w55as	R6w55l		190	X	X	X
1996	7/18	335	40	105	Kanektok	3	2	1 - 2	A,S,L	MISSING					X	X	X
1996	7/1 - 7/20	335	20	109	Aniak	3	2	1 - 20	A,S,L	R6ason5	R6ason5as	R6ason5l		459	X	X	X
1996	7/2 - 8/7	335	30	110	Kogrukluk	3	19	1 - 24	A,S,L	R6kog5	R6kog5as	R6kog5l		827	X	X	X
1996	7/7 - 7/23	335	50	118	Goodnews	3	19	1 - 8	A,S,L	R6gnw5	R6gnw5as	R6gnw5l		311	X	X	X
1996	6/22 - 7/26	335			George R	3	19	1 - 24	A,S,L	R6geo5	R6geo5as	R6geo5l		765	X	X	X
1995	6/22 - 8/4	335	12	104	Bethel	1	3	1 - 50	A,S,L	R5w15	R5w15as	R5w15l		1,811	X	X	X
1995	6/24 - 7/21	335	40	106	Quinhagak	1	3	1 - 19	A,S,L	R5w45	R5w45as	R5w45l		598	X	X	X
1995	7/7 - 7/17	335	50	108	Goodnews	1	3	1 - 11	A,S,L	R5w55	R5w55as	R5w55l		355	X	X	X
1995	7/6 - 7/25	335	20	109	Aniak	3	2	1 - 14	A,S,L	R5ason5	R5ason5as	95as5l		244	X	X	X
1995	7/4 - 8/10	335	30	114	Ignatti	3	19	1 - 27	A,S,L	95kog5	95kog5as	95kog5l	1,055	848	X	X	X
1995	7/1 - 7/16	335	50	118	Goodnews	3	19	1 - 9	A,S,L	R5gn5	R5gn5as	95gnw5l		280	X	X	X
1995	6/3 - 7/20	335	12	104	Bethel	5	3	1 - 82	A,S,L	MISSING					X	X	X
1995	6/11 - 8/5	335	12	104	Bethel	5	3	1 - 102	A,S,L	MISSING					X	X	X
1995	7/5-7/17	335	12	104	Bethel	5	4	4,27	A,S,L	MISSING					X	X	X
1995	6/12 - 7/19	335	12	104	Bethel	5	3	1 - 30	A,S,L	MISSING					X	X	X
1995	6/30 - 7/8	335	12	104	Bethel	5	4	8 - 11	A,S,L	MISSING					X	X	X
1995	6/17 - 7/20	335	12	104	Bethel	5	4	1 - 27	A,S,L	MISSING					X*	X	X
1995	6/16 - 7/10	335	12	104	Bethel	5	3	1 - 30	A,S,L	MISSING						X	X
1994	6/24 - 7/9	335	12	104	Bethel	1	3	1 - 38	A,S,L	W1c94	W1c94as	W1c94l		1,390	X	X	X
1994	7/6 - 7/13	335	40	106	Quinhagak	1	3	1 - 15	A,S,L	94w45	94w45as	94w45l			X	X	X
1994	7/6 - 7/21	335	50	108	Goodnews	1		1 - 16	A,S,L	Gncgch94	Gncgch94as	Gncgch94l		512	X	X	X
1994	7/25 - 7/26	335	20	109	Aniak	3	2	1 - 4	A,S,L	Arbsch94				92	X	X	X
1994	7/8 - 7/9	335	30	114	Ignatti	3	19	1 - 4	A,S,L	Kog94c	Kog94cas	Kog94cl		125	X	X	X
1994	7/7 - 7/10	335	50	118	Goodnews	3	19	1 - 6	A,S,L	Gnewch94	Gnewch94as			207	X	X	X
1994	6/29 - 9/7	335	14	080	Tuluksak	3	19	1 - 41	A,S,L	Tul94c	Tul94cas	Tul94cl		851	X	X	X
1994	6/2 - 8/1	335	12	104	Bethel	5	3	1 - 93	A,S,L	Bt94c65d	Bt94c65das				X	X	X
1994	6/9 - 7/19	335	12	104	Bethel	5	4	1 - 23	A,S,L	Bt94c65s	Bt94c65sas				X	X	X
1994	6/13 - 7/16	335	12	104	Bethel	5	4	1 - 7	A,S,L	Bt94c40s	Bt94c40sas				X	X	X
1994	6/9 - 7/28	335	12	104	Bethel	5	4	1 - 24	A,S,L	Bt94c55s	Bt94c55sas				X	X	X
1994	7/8 - 7/24	335	12	104	Bethel	5	4	1 - 3	A,S,L	Bt94c27s	Bt94c27sas				X	X	X
1994	6/14 - 7/9	335	12	104	Bethel	5	3	1 - 22	A,S,L	Bt94c80d	Bt94c80das				X	X	X
1994	7/6 - 8/16	335	12	104	Bethel	5	3	75-129	A,S,L	Bt94c54d	Bt94c54das				X	X	X
1994	6/2 - 7/27	335	12	104	Bethel	5	3	1 - 37	A,S,L	Bt94c40d	Bt94c40das				X	X	X
1994	6/2 - 7/8	335	12	104	Bethel	5	3	1 - 74	A,S,L	Bt94c27	Bt94c54das				X	X	X
1994	7/6	335	12	104	Bethel	5	3	1	A,S,L	Bt94c27d	Bt94c27das						
1994	6/18 - 7/15	335	40	106	Quinhagak			1 - 19	A,S,L	MISSING					X	X	X

(continued)

Appendix Table 1.C2. Kuskokwim Area chum salmon ASL data inventory, 1964-1999. (page 2 of 4).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data* Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1993	6/25 - 7/31	335	12	104	Bethel	1	3	1 - 9	A,S,L	93w15	93w15as	93w15l		318	X	X	X
1993	7/9	335	50	108	Goodnews	1	3 or 4	1 - 6	A,S,L	93w55	93w55as	93w55l			X	X	X
1993	7/8 - 7/24	335	30	114	Kogrukluk	3	19	1 - 11	A,S,L	Kog93c	Kog93cas	Kog93cl		362	X	X	X
1993	7/27 - 7/29	335	50	118	Goodnews	3	19	1 - 6	A,S,L	Gnewch93	Gnewch93as				X	X	X
1993	6/18 - 9/9	335	14	080	Tuluksak	3	19	1 - 54	A,S,L	Tul93c	Tul93cas	Tul93cl		1,163	X	X	X
1993	6/17 - 7/31	335	12	104	Bethel	5		1 - 52	A,S,L	Btf93c6	Btf93c6as				X	X	X
1993	6/18-7/23	335	12	104	Bethel	5		3-42	A,S,L	Btf93c4	Btf93c4as						
1993	6/18-7/31	335	12	104	Bethel	5		2-52	A,S,L	Btf93c5	Btf93c5as						
1993	6/22 - 7/3	335	12	104	Bethel	5	4	1, 12-20	A,S,L	Btf93c8	Btf93c8as				X	X	X
1993	6/28 - 7/16	335	40	106	Quinhagak	?		1 - 13	A,S,L	93w45	93w45as	93w45l			X	X	X
1992	7/6	335	40	106	Quinhagak	1	3	10	A,S,L	92w45	92w45as	92w45l					X
1992	6/22 - 8/3	335	12	104	Bethel	1	3	10 - 30	A,S,L	92w145	92w145as	92w145l		1,089		X	X
1992	6/22 - 7/30	335	50	108	Goodnews	1	3	1 - 14	A,S,L	Gncgch92	92w55as	92w55l				X	X
1992	7/6	335	20	109	Aniak	1	3 or 4	1 - 5	A,S,L	MISSING						X	X
1992	7/16 - 7/17	335	30	114	Ignatti	3	19	9,11	A,S,L	92kog45	92kog45as	92kog45l		362		X	X
1992	7/22 - 7/31	335	50	118	Goodnews	3	19	1 - 15	A,S,L	Gnewch92	Gnewch92as					X	X
1992	6/25 - 8/31	335	14	080	Tuluksak	3	19	1 - 45	A,S,L	92tul45	92tul45as	92tul45l		1,206		10,11	X
1992	6/24 - 8/17	335	13		Kwethluk	3	19	1-12,24-36	A,S,L	92kwe45	92kwe45as	92kwe45l		1,198		4	X
1992	6/25 - 8/3	335	12	104	Bethel	5	3,4	1-21, 25 - 31	A,S,L	MISSING						X	X
1992	6/16 - 6/24	335	20	109	Aniak	5	3	1A - 3B	A,S,L	MISSING						X	X
1992	6/15,6/23	335			Chuathbaluk	5	3	1 - 2	A,S,L	MISSING						X	X
1992	7/30-7/31	335			McGrath	5	3	1-3	A,S,L	MISSING					X	X	X
1991	6/20 - 8/8	335	12	104	Bethel	1	3	1 - 47	S,L,A	91w145	91w15as	91w15l		1,630	X	X	X
1991	7/1 - 8/2	335	40	106	Quinhagak	1	3	1 - 20	S,L,A	Qhcgch91	Qhcgch91as	Qhcgch91l				X	X
1991	6/20 - 7/31	335	50	108	Goodnews	1	3 or 4	1 - 19	S,L,A	Gncgch91	Gncgch91as	Gncgch91l				X	X
1991	7/6 - 7/23	335	30	114	Ignatti	3	19	1 - 18	S,L,A	Kogwch91	Kogwch91as	Kogwch91l		293	X	X	X
1991	7/7 - 7/28	335	50	118	Goodnews	3	19	1 - 16	S,L,A	Gnewch91	91gnw5as					X	X
1991	6/19 - 8/21	335	14	080	Tuluksak	3		1 - 42	S,L,A	Tulwch91	Tulwch91as	Tulwch91l		1,083		X	
1991	7/24 - 8/11	335	13		Kwethluk	4	12	1 - 15	S,L,A	MISSING						X	
1990	6/20 - 8/8	335	10	104	Bethel	1	3	1 - 17	S,L,A	90w145	90w145as	90w145l	611	565	X	X	X
1990	6/14 - 8/1	335	40	106	Quinhagak	1	3	1 - 21	S,L,A	Qhcgch90	Qhcgch90as	Qhcgch90l	696	638	X	X	X
1990	6/20 - 7/23	335	50	108	Goodnews	1	3	1 - 12	S,L,A	Gncgch90	Gncgch90as	Gncgch90l	409	372	X		
1990	6/30 - 7/22	335	30	110	Ignatti	3	12	1 - 22	S,L,A	Igw9045	Igw9045as	Igw9045l	403	382	X		
1990	6/28 - 7/21	335	50	118	Goodnews	3	2	1 - 8	S,L,A	Gnewch90	Gnewch90as	Table_18	152	135	X	X	X
1989	6/19 - 7/18	335	12	104	Bethel	1	3	1 - 18	S,L,A	MISSING	89w145as	Table_16	655	641	X	X	X
1989	6/23 - 7/27	335	40	106	Quinhagak	1	3	1 - 21	S,L,A	89w45	89w45as	Table_16		708	X	X	X
1989	6/19 - 7/31	335	50	108	Goodnews	1	3	1 - 20	S,L,A	89w55	89w55as	Table_16		540		1 - 20	1 - 17
1989	6/19-9/1	335	10	104	Bethel	2	3	1 - 18	S,L,A	W189S5	Appf5		685	642	X		
1989	6/19-9/8	335			Goodnews	2					Appf7						
1989	6/15-9/8	335			Quinhagak	2					Appf6						
1989	7/7 - 7/14	335	30	110	Ignatti	3	19	1 - 8	S,L,A	Kw9es45	Kw9es45as	Kw9es45l		147	X	X	X
1989	7/8 - 7/19	335	50	118	Goodnews	3	2	1 - 6	S,L,A	Gn89_5	Table_17	Table_18			X	X	X
1989	7/25	335	40	105	Kanektok	4	3	1 - 3	S,L,A	Kane8945	Table_17	Table_18		51	X	X	X
1989	7/30	335	20	109	Aniak	4	3	1 - 3	S,L,A	89ani5	89ani5as	89ani5l		54	X	X	X
1989	7/20 - 7/24	335	50	118	Goodnews	4	3	1 - 3	S,L,A	Gn89_5	Table_17	Table_18			X	X	X
1989	7/21	335	50	118	Goodnews	4	3	1 - 3	S,L,A	Gn89_5	Table_17	Table_18			X	X	X
1989	7/16	335	13		Kwethluk	4	3	1 - 3	S,L,A	Kwet8945	Table_17	Table_18		70	X	X	X
1988	6/16 - 7/28	335	10	104	Bethel	1	3	1 - 70	S,L,A	88w15	88w15as	88w15l	2,630	2,404	X	X	X
1988	6/14 - 8/3	335	40	106	Quinhagak	1	3	1 - 23	S,L,A	88w45	88w45as	88w45l	657	593	X	X	X
1988	6/16 - 7/11	335	50	108	Goodnews	1	3	1 - 15	S,L,A	88w55	88w55as	88w55l	502	430	X	X	X
1988		335	50	110	Kogrukluk	3	19		S,L,A	MISSING				621		X	X
1988	6/30 - 7/15	335	50	118	Goodnews	3	2	1 - 17	S,L,A	MISSING				422	X	X	X
1987	6/18 - 7/15	335	10	104	Bethel	1	4	1 - 42	S,L,A	MISSING	87w15as	87w15l		1,626	X	X	X
1987	6/30 - 7/4	335	40	106	Quinhagak	1	3	1 - 7	S,L,A	MISSING	87w45as	87w45l		241	X	X	X
1987	6/24 - 7/15	335	50	108	Goodnews	1	4	1 - 13	S,L,A	MISSING	87w55as	87w55l		430	X	X	X
1987	7/8 - 7/15	335	40	105	Kanektok	3	2	1 - 7	S,L,A	MISSING				150	X	X	X
1987	7/4 - 7/27	335	30	110	Holitna	3	4	1 - 11	S,L,A	MISSING				195	X		
1987	7/31 - 8/9	335	30	110	Kogrukluk	3	12,19	1 - 25	S,L,A	MISSING					X	X	X
1987	7/15-8/14	335	30	110	Kogrukluk	3	19	1 - 8	S,L,A	Kogwch87	Kogwch87as	Kogwch87l	172	161	X		
1987	7/2 - 7/17	335	50	118	Goodnews	3	2	1 - 19	S,L,A	MISSING				467	X	X	X

(continued)

Appendix Table 1.C2. Kuskokwim Area chum salmon ASL data inventory, 1964-1999. (page 3 of 4).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data* Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1986	6/29 - 7/14	335	10	104	Bethel	1	3	1 - 8	S,L,A	MISSING					X	X	X
1986	6/26 - 7/10	335	10	104	Bethel	1	3	1 - 30	S,L,A	86w15	86w15as	86w15l	1,119	1,069	X	X	X
1986	6/23 - 7/21	335	40	106	Quinhagak	1	4	1 - 13	S,L,A	MISSING	86w45as	86w45l		398	X	X	X
1986	6/20 - 7/17	335	50	108	Goodnews	1	4	1 - 12	S,L,A	MISSING	86w55as	86w55l		353	X	X	X
1986	7/8 - 7/31	335	10	104	Bethel	2	3	1 - 10	S,L,A	MISSING					X	X	X
1986	6/29 - 7/19	335	30	110	Kogrukluk	3	19	1 - 21	S,L,A	Kogwch86	Kogwch86as	Kogwch86l	600	568	X	X	X
1986	6/17 - 7/15	335	40	105	Kanektok	4	2	1 - 19	S,L,A	MISSING				287	X	X	X
1986		335	40	105	Kanektok	4	12	1 - 4	S,L,A	MISSING				144		X	X
1986	7/16 - 7/18	335	10	111	Kisaralik	4	10	1 - 4	S,L,A	MISSING			24	22	X	X	X
1986	7/9 - 7/23	335	50	118	Goodnews	4	2	1 - 7	S,L,A	MISSING				21	X	X	X
1985	6/20 - 8/1	335	10	104	Bethel	1	3	1 - 30	S,L,A	85w15	85w15as	85w15l	1,180	1,030	X	X	X
1985	6/20 - 7/15	335	50	106	Quinhagak	1	4	1 - 15	S,L,A	85w45	85w45as	85w45l	500		X	X	X
1985	7/12 - 8/1	335	50	108	Goodnews	1	3	1 - 9	S,L,A	85w55	85w55as	85w55l	300		X	X	X
1985	6/26 - 7/30	335	20	109	Aniak	3	3	1 - 66	S,L,A	85ani5	85ani5as		190	167	X	X	X
1985	7/7 - 8/15	335	30	110	Kogrukluk	3	19	1 - 37	S,L,A	Kogwch85	Kogwch85as	85kog5l	1,160	874	X	X	X
1985	6/28 - 7/31	335	40	105	Kanektok	4	2	1 - 18	S,L,A	Kr8545			150		X	X	X
1985	8/6 - 8/7	335	40	105	Kanektok	4	12	1 - 9	S,L,A	Kr8545B			320		X	X	X
1985	8/4 - 8/6	335	20	109	Aniak	4	12	1 - 12	S,L,A	MISSING			450		X	X	X
1985	7/12 - 7/17	335	50	118	Goodnews	4	2	1 - 2	S,L,A	Gt8545bs			9		X	X	X
1985	9-Aug	335	50	118	Goodnews	4	12	1 - 2	S,L,A	Gr8545			76		X	X	X
1984	6/18 - 7/16	335	10	104	Bethel	1	4	1 - 54	S,L,A	84w15	84w15as	84w15l		2,188	X	X	X
1984	6/18 - 7/27	335	40	106	Quinhagak	1	4	1 - 15	S,L,A	MISSING	85w45as	Ce01584	480		X	X	X
1984	7/13 - 7/25	335	50	108	Goodnews	1	4	1 - 14	S,L,A	MISSING	84w55as	Ce01584	480		X	X	X
1984	6/27 - 7/30	335	20	109	Aniak	3	4	1 - 56	S,L,A	84ani5	84ani5as	84ani5l	111		X	X	
1984	6/19 - 8/15	335	30	110	Ignatti	3	19	1 - 54	S,L,A	Kogwch84	Kogwch84as	Kogwch84l	1,300	1,252	X	X	X
1984	6/18 - 7/19	335	40	105	Kanektok	4	2	1 - 28	S,L,A	MISSING	Ce01684	Ce006d84	550		X	X	X
1984	8/5 - 8/11	335	40	105	Kanektok	4	12	1 - 10	S,L,A	MISSING	Ce01684	Ce006d84	310		X	X	X
1984	8/8 - 8/11	335	50	118	Goodnews	4	12	1 - 6	S,L,A	MISSING	Ce01684	Ce006d84	123		X	X	X
1984	6/18 - 6/21	335	40	106	Quinhagak	5	3	1 - 3		MISSING			75			X	
1983	7/7 - 8/1	335	10	104	Bethel	1	3	1 - 63	S,L,A	MISSING			1,840		X	X	X
1983	6/16 - 7/22	335	40	106	Quinhagak	1	4	1 - 18	S,L,A	MISSING			528		X	X	X
1983	7/22	335	50	108	Goodnews	1	4	1 - 10	S,L,A	MISSING			300		X	X	X
1983	6/24 - 9/13	335	30	110	Ignatti	3	19	1 - 30	S,L,A	Kogwch83	Kogwch83as	Kogwch83l	485	484	X	X	X
1983	8/4	335	40	105	Kanektok	4	12	1 - 12	S,L,A	MISSING			480		X		X
1983	8/5 - 8/7	335	50	108	Goodnews	4	12	1 - 8	S,L,A	MISSING			210		X	X	1 - 7
1982		335	20	109	Aniak	4	3			MISSING			179				
1982	6/15 - 8/9	335	10	104	Bethel	1	3	1 - 34	L,A	MISSING			950		X	X	X
1982	6/18 - 7/29	335	40	106	Quinhagak	1	4	1 - 15	L,A	MISSING			450		X	X	X
1982	6/22 - 7/20	335	50	108	Goodnews	1	4	1 - 5	L,A	MISSING			150		X	X	X
1982	7/10 - 8/3	335	30	110	Ignatti	3	19	1 - 26	L,A	Kogwch82	Kogwch82as	Kogwch82l	277	259	X	X	X
1982	July	335	30	119	Salmon	3	19	1 - 2	L,A	MISSING			31		X	X	X
1982	6/23 - 7/30	335	20	109	Aniak	4	3	1 - 105	L,A	MISSING			631		1-102,104-6,98-6,98-1		
1981	6/10 - 8/13	335	10	104	Bethel	1	3	101 - 132	S,L,A	MISSING			872		X	X	X
1981	6/16 - 8/7	335	40	106	Quinhagak	1	4	1 - 19	S,L,A	MISSING			540		X	X	X
1981	6/19 - 7/21	335	50	108	Goodnews	1	4	1 - 6	S,L,A	MISSING			180		X	X	X
1981	6/24 - 8/3	335	20	109	Aniak	3	3	1 - 28	S,L,A	MISSING			570		X	X	X
1981	6/29-8/6	335	30	110	Ignatti	3	19	1-11	S,L,A	Kogwch81	Kogwch81as	Kogwch81l		191			
1981	6/28 - 7/18	335	30	116	Salmon	3	19	1	S,L,A	MISSING			5		X	X	X
1981	6/29 - 8/6	335	30	110	Holitna	4	19	1 - 7	S,L,A	MISSING			210		X	X	X
1981	6/2 - 7/15	335	10	102	Kwegooyuk	5	4	1 - 42	S,L,A	MISSING			952		X	X	X
1981	6/5 - 6/28	335	10	104	Bethel	5	4	1 - 20	S,L,A	MISSING			281		X	X	X
1980	6/12 - 8/25	335	10	104	Bethel	1	3	1 - 26	L,A	MISSING			543		1-20,23-26		X
1980	6/13 - 8/6	335	40	106	Quinhagak	1	4	1 - 15	L,A	MISSING			410		X	X	X
1980	6/30 - 7/30	335	50	108	Goodnews	1	3	1 - 5	L,A	MISSING			108		X	X	X
1980	6/26 - 7/28	335	20	109	Aniak	3	4	1 - 3	S,L,A	MISSING			*190	612*	X	X	X
1980	6/26 - 7/28	335	20	109	Aniak	3	4	1 - 23	S,L,A	MISSING			*190	*	X	X	X
1980	6/26 - 7/28	335	20	109	Aniak	3	4	1 - 28	S,L,A	MISSING			*190	*	X	X	X
1980	6/26 - 7/28	335	20	109	Aniak	3	4	1 - 17	S,L,A	MISSING			*190	*	X	X	X
1980	6/26 - 7/28	335	20	109	Aniak	3	2	1 - 7	S,L,A	MISSING			*190	*		X	
1980	7/3 - 7/10	335	10	110	Ignatti	3	19	1 - 4	S,L,A	Kogwch80	Kogwch80as	Kogwch80l	90	83	X		X
1980	8/4-8/11	335			Kusko Sonar	3	3,4	1-6	A	MISSING						X	
1980	6/7 - 7/15	335	10	102	Kwegooyuk	5	3	1 - 25	L,A	MISSING			713		X	X	X
1979	6/15 - 8/13	335	10	104	Bethel	1	3	1 - 25	L,A	MISSING			673	605	X	X	X
1979	6/22 - 7/10	335	40	106	Quinhagak	1	3	1 - 5	L,A	MISSING			150	144	X	X	X
1979	7/21,7/24	335	40	106	Quinhagak	1	3	6 - 7		MISSING			60			X	
1979		335	10	110	Ignatti	3	19			MISSING				228			
1979	June - July	335	30	114	Kashegelok	4	*	1 - 4	S,L,A	MISSING			65			X	
1979	5/30 - 7/14	335	11	102	Kwegooyuk	5	4	1 - 18	L,A	MISSING			148	132	X	X	X

(continued)

Appendix Table 1.C2. Kuskokwim Area chum salmon ASL data inventory, 1964-1999. (page 4 of 4).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data[a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1978	5/31 - 7/14	335	11	102	Kwegooyuk	1	4	1 - 35	S,L,A	MISSING			515	482	X	X	X
1978	6/16 - 7/13	335	10	104	Bethel	1	4	1 - 31	S,L,A	MISSING			900	869	X	X	X
1978	6/27 - 7/26	335	40	106	Quinhagak	1	3	1 - 8	S,L,A	MISSING				152	X	X	X
1978	6/30 - 7/4	335	50	108	Goodnews	1	3	1 - 3,2	S,L,A	MISSING			120		X	X	X
1978	6/23 - 6/26	335	20	112	Kwethluk	3	8	1 - 17		MISSING						X	X
1978	6/24 - 7/31	335	00	114	Kashegelok	4		1 - 13	S,L,A	MISSING			341		X		X
1977	6/9 - 7/14	335	11	102	Kwegooyuk	1	4	1 - 19	S,L,A	MISSING			386	350	X		X
1977	6/15 - 8/15	335	10	104	Bethel	1	3	1 - 26	S,L,A	MISSING			705	573	X	X	X
1977	6/17 - 8/8	335	40	106	Quinhagak	1	3	1 - 15	S,L,A	MISSING			441	373	X	X	X
1976	6/9 - 6/26	335	11	102	Kwegooyuk	1	4	1 - 54	S,L,A	MISSING			707	576	X	X	X
1976	6/17 - 7/12	335	10	104	Bethel	1	4	5,10-25	S,L,A	MISSING			482	460	X	,15,1	X
1976	6/22 - 7/27	335	40	106	Quinhagak	1	3	3 - 32	S,L,A	MISSING			300	264	X	X	X
1976	6/29 - 7/30	335	30	110	Ignatti	3	19	1 - 29	S,L,A	Kogwch76	Kogwch76as	Kogwch76l	287	219	X		
1975	6/24	335	12	101	Kuskokwim R	1	0	2 - 3	S,L,A	MISSING			9		X	X	X
1975	6/30 - 8/5	335	10	104	Bethel	1		1-13,17-24	S,L,A	MISSING			828	499	X	X	X
1975	7/4 - 7/31	335	40	106	Quinhagak	1	3	1 - 17	S,L,A	MISSING			520	383	X	9,11	-9,11-
1975	6/8 - 7/16	335	11	102	Kwegooyuk	5	4	1 - 47	S,L,A	MISSING			1,081	507	X	X	X
1974	6/28 - 8/8	335	10	104	Bethel	1	3	2 - 15	S,L,W,A	MISSING				285	X	X	X
1974	6/24 - 8/5	335	40	106	Quinhagak	1	3	1 - 16	L,A	MISSING			393	281	X	X	X
1974	7/11 - 7/24	335	50	108	Goodnews	1	3	1 - 5	S,L,A	MISSING			118	88	X	X	X
1974	6/6 - 8/3	335	11	102	Kwegooyuk	5	4	1 - 78	S,L,A	MISSING			1,573	1,309	X	14,46	14,46-
1973	6/26 - 7/10	335	10	104	Bethel	1	3	21 - 40	S,L,A	MISSING			600	544	X	X	X
1973		335	40	106	Quinhagak	1	3	7 - 12	S,L,A	MISSING			60		7 - 8	8,11,	7 - 8
1973	6/29 - 8/3	335	30	110	Ignatti	3	19	1,2,4	S,L,A	Kogwch73	Kogwch73as	Kogwch73l	67	47	1,2	X	X
1973	6/16 - 7/15	335	11	102	Kwegooyuk	5	4	1 - 29	S,L,A	MISSING			482	408	X	X	X
1972	7/7 - 8/10	335	10	104	Bethel	1		3 - 58	S,L,A	MISSING					X	X	X
1972	6/12 - 7/14	335	11	102	Kwegooyuk	1	4	32 - 64	S,L,A	MISSING			372		X	X	
1972	7/29 - 8/5	335	30	110	Ignatti	3	19	1 - 5	S,L,A	Kogwch72	Kogwch72as	Kogwch72l	160	150	X	X	X
1971	6/28-8/17	335	10	104	Bethel	1			S,L,A	MISSING			834				
1971	7/13 - 7/21	335	30	110	Ignatti	3	19	1 - 10	S,L,A	Kogwch71	Kogwch71as	Kogwch71l	300	264	X		
1970	6/23 - 7/6	335	40	106	Quinhagak	1		3 - 23	S,L,A	MISSING			150		X	X	X
1969	6/24 - 7/15	335	40	106	Quinhagak	1	3	5 - 44	S,L,A	MISSING			281		X		X
1969		335	30	110	Holitna	3		69	L	MISSING			16		X		X
1968	6/21	335	10	104	Bethel	1	3	19	S,L,W,A	MISSING			30		X		X
1968	6/21 - 7/22	335	40	106	Quinhagak	1	3	2 - 27	S,A	MISSING			182		X	11,18	X
1967	6/17 - 7/3	335	11	102	Kwegooyuk	5	4	11,20-22,24	S,L,W,A	MISSING			125		X	11	X
1967	7/13 - 7/20	335	40	106	Quinhagak	1	3	30 - 38	S,L,W,A	MISSING			244		X		X
1964	7/5 - 7/21	335	12	104	Bethel	2		33 - 56	S,L,W,A	MISSING			130		X		X

[a] Not all historic electronic data has been located. Data may not have been transferred to electronic media; files may have been corrupted; or missing 5 1/4 disks still need to be located.

[b] All raw data files are of ASCII type, with the exception of 1999-2000 Yukon files having the extension of JUN. These files have been created in Excel.

[c] Refer to tables 1.1-1.6 for descriptions of corresponding file formats.

[d] Age comp and length summary files may be opened with Kedit (PRN, AS, L), Word (DOC, WP, WP5), and Excel (WKAL, XLS, WK3, WK1, WKS)

[e] RIR - Regional Information Report, TDR - Technical Data Report, TFR - Technical Fisheries Report, AWL - Age, Sex, and Size Composition Report, AMR- Annual Management Report, AAFI - Arctic Anadromous Fish Investigations

[f] Refer to table 1.1 for listing of all ASL source reports.

[g] The 1999 published ASL progress report (RIR 3A00-18) does not contain historical ASL tabular data. Electronic copies are available upon request.

Appendix Table 1.C3. Kuskokwim Area coho salmon ASL data inventory, 1964-1999. Page 1 of 3.

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data* Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1999	8/7	335	10	104	Bethel	1	3	1A - 5A	A,S,L	99w13	99w13as	99w13l		151	X	X	X
1999	8/16 - 8/25	335	50	108	Goodnews	1	3	1 - 24	A,S,L	99w53	99w53as	99w53l		205	X	X	X
1999	8/23 - 9/8	335	30	114	Ignatti	3	19	1 - 42	A,S,L	99kog3	99kog3as	99kog3l		343	X	X	X
1999	8/23 - 9/15	335	50	118	Goodnews	3	19	1 - 52	A,S,L	99gnw3	99gnw3as	99gnw3l		411	X	X	X
1999	8/28 - 9/13	335			George R	3	19	1A - 10D	A,S,L	99geo3	99geo3as	99geo3l		338	X	X	X
1999	8/26 - 9/9	335			Tatlawiksuk	3	19	1A - 10D	A,S,L	99tat3	99tat3as	99tat3l		287	X	X	X
1998	8/1 - 8/17	335	10	104	Bethel	1	3	5A - 23D	A,S,L	98w13	98w13as	98w13l		1,194	X	X	X
1998	8/7 - 8/24	335	40	106	Quinhagak	1		1A - 17D	A,S,L	98w43	98w43as	98w43l		446	X	X	X
1998	8/7 - 8/24	335	50	108	Goodnews	1		1A - 10B	A,S,L	98w53	98w53as	98w53l		315	X	X	X
1998	8/22 - 9/17	335	30	114	Ignatti	3	19	1 - 55	A,S,L	98kog3	98kog3as	98kog3l		455	X	X	X
1998	8/19 - 9/10	335	50	118	Goodnews	3	19	1A - 16C	A,S,L	98gnw3	98gnw3as	98gnw3l		429	X	X	X
1997	8/6 - 8/18	335	12	104	Bethel	1	3	6A - 20A	A,S,L	97w13z	97w13zas	97w13z	724	324	X	X	X
1997	8/6 - 8/25	335	40	106	Quinhagak	1	3	1A - 16D	A,S,L	97w43z	97w43zas	97w43z	676	359	X	X	X
1997	8/20 - 8/25	335	50	108	Goodnews	1	3	3A - 10D	A,S,L	97w53z	97w53zas	97w53z	351	271	X	X	X
1997	8/19 - 8/20	335	40	105	Kanektok	3	2	9 - 12	A,S,L	97kan3	97kan3as	97kan3		281	X	X	X
1997	8/4	335			George R	3	19	1A - 8B	A,S,L	97geo3	97geo3as	97geo3		205	X	X	X
1996	7/19 - 8/23	335	12	104	Bethel	1	3	1A - 24A	A,S,L	R6w13	R6w13as	R6w13l		666	X	X	X
1996	7/27 - 8/19	335	40	106	Quinhagak	1	3	1 - 55	A,S,L	R6w43	R6w43as	R6w43l		556	X	X	X
1996	8/5 - 8/21	335	50	108	Goodnews	1		1A - 15	A,S,L	R6w53	R6w53as	R6w53l		457	X	X	X
1996	8/3 - 9/16	335	30	114	Kogrukluk	3	19	1 - 22D	A,S,L	R6kog3	R6kog3as	R6kog3l		639	X	X	X
1996	8/9 - 8/22	335	50	118	Goodnews	3	19	1 - 6	A,S,L	R6gn3	R6gn3as	R6gn3l		150	X	X	X
1995	8/4 - 8/29	335	12	104	Bethel	1	3	1A - 20A	A,S,L	R5w13	R5w13as	R5w13l		565	X	X	X
1995	8/2 - 8/23	335	40	106	Quinhagak	1	3	1 - 72	A,S,L	R5w43	R5w43as				X	X	X
1995	8/11 - 8/21	335	50	108	Goodnews	1	3	1 - 33	A,S,L	R5w53	R5w53as	R5w53l	338	299	X	X	X
1995	8/17 - 9/6	335	30	114	Ignatti	3	19	1 - 44	A,S,L	R5kog3	R5kog3as	R5kog3l		364	X	X	X
1995	8/15 - 8/24	335	50	118	Goodnews	3	19	1 - 22	A,S,L	R5gn3	R5gn3as	R5gn3l		191	X	X	X
1995	7/20 - 7/28	335	12	104	Bethel	5	3	2 - 13	A,S,L	~~MISSING~~					X	X	X
1995	8/17 - 9/13	335	20	109	Aniak	5	3	101 - 132	A,S,L	R554ar3	R554ar3as	R554ar3l		161	X	X	X
1995	8/17 - 9/13	335	20	109	Aniak	5	3	1 - 28	A,S,L	R540ar3	R540ar3as	R540ar3l		131	X	X	X
1995	9/7 - 9/13	335	20	109	Aniak	5	3	201 - 206	A,S,L	R527ar3	R527ar3as	R527ar3l		6	X	X	X
1994	7/29 - 8/30	335	12	104	Bethel	1	3	1A - 24D	A,S,L	94w13	94w13as	94w13l	958	823	X	X	X
1994	8/3 - 8/31	335	40	106	Quinhagak	1	3 or 4	1 - 53D	A,S,L	94w43	94w43as				X	X	X
1994	8/5 - 8/31	335	50	108	Goodnews	1		1 - 38A	A,S,L	Gncgco94	Gncgco94as				X	X	X
1994	8/24 - 9/7	335	30	114	Ignatti	3	19	1A - 18B	A,S,L	Kog94s	Kog94sas	Kog94sl		463	X	X	X
1994	7/25 - 9/7	335	14	080	Tuluksak	3	19	1 - 21B	A,S,L	Tul94s	Tul94sas	Tul94sl		312	X	X	X
1994	7/9 - 8/17	335	12	104	Bethel	5	3	1 - 74	A,S,L	Bt94S54d	Bt94554das				X	X	X
1994	7/28 - 8/13	335	12	104	Bethel	5	3	1 - 13	A,S,L	Bt94s27d	Bt94s27das				X	X	X
1994	7/29 - 8/14	335	12	104	Bethel	5	4	1 - 4	A,S,L	Bt94s27s	Bt94s27sas				X	X	X
1994	7/15 - 8/13	335	12	104	Bethel	5	4	1 - 26	A,S,L	Bt94s55s	Bt94s55sas				X	X	X
1994	7/18 - 8/14	335	12	104	Bethel	5	3	1 - 50	A,S,L	Bt94s65d	Bt94s65das				X	X	X
1994	7/15 - 8/14	335	12	104	Bethel	5	3	1 - 35	A,S,L	Bt94s65s	Bt94s65sas				X	X	X
1994	7/30 - 8/14	335	12	104	Bethel	5	4	1 - 9	A,S,L	Bt94s40d	Bt94s40das				X	X	X
1994	7/18 - 8/12	335	12	104	Bethel	5	4	1 - 13	A,S,L	Bt94s40s	Bt94s40sas				X	X	X
1993	7/30 - 8/11	335	40	106	Quinhagak	1	3	1 - 35	A,S,L	93w43	93w43a				X	X	X
1993	7/31 - 8/28	335	12	104	Bethel	1	3	1A - 20A	A,S,L	93w13	93w13as	93w13l		540	X	X	X
1993	8/9	335	50	108	Goodnews	1	3	1A - 6A	A,S,L	Gncgco93	Gncgco93as		600	540	X	X	X
1993	8/13	335	50	108	Goodnews	1	3	1A - 5A	A,S,L	Gncgco93	Gncgco93as				X	X	X
1993	8/23	335	50	108	Goodnews	1	3	1A - 5A	A,S,L	Gncgco93	Gncgco93as				X	X	X
1993	9/1 - 9/3	335	30	114	Kogrukluk	3	19	1 - 17	A,S,L	Kog93s	Kog93sas	Kog93sl		157	X	X	X
1993	7/23 - 8/10	335	14	080	Tuluksak	3	19	1 - 39C	A,S,L	Tul93s	Tul93sa	Tul93sl		669	X	X	X
1993	7/28 - 8/4	335	12	104	Bethel	5		1 - 9	A,S,L	~~MISSING~~					X	X	X
1992	8/3 - 8/31	335	10	104	Bethel	1	3	1A - 26A	A,S,L	92w13	92w13as	92w13l	890	803	X	X	X
1992	8/5 - 8/24	335	40	106	Quinhagak	1	3	1 - 32A	A,S,L	Qhcgco92	Qhcgco92as				X	X	X
1992	7/30 - 8/21	335	50	108	Goodnews	1	3	1A - 15	A,S,L	~~MISSING~~	92w53as				X	X	X
1992	7/19 - 9/11	335	20	112	Kwethluk	3	19	1 - 32C	A,S,L	92kwe43	92kwe43as	92kwe43l		734			X
1992	8/6 - 8/18	335	30	114	Kogrukluk	3	19	1 - 17	A,S,L	92kog43	92kog43as	92kog43l		158	X	X	X
1992	7/28 - 9/3	335	14	080	Tuluksak	3	19	1A - 26B	A,S,L	92tul43	92tul43as	92tul43l		475			X

(continued)

Appendix Table 1.C3. Kuskokwim Area coho salmon ASL data inventory, 1964-1999. Page 2 of 3.

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data* Raw	Electronic Data* Age Comp. Summary	Electronic Data* Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1991	7/25 - 8/26	335	10	104	Bethel	1	3	1 - 68	A,S,L	91w13	91w13as	91w13l	647	574		X	X
1991	7/29 - 8/23	335	40	106	Quinhagak	1		1 - 24	A,S,L	Qhcgco91	Qhcgco91as					X	X
1991	8/5 - 8/21	335	50	108	Goodnews	1	3	1 - 55	A,S,L	Gncgco91	Gncgco91as					X	X
1991	8/16 - 9/15	335	30	114	Ignatti	3	19	1 - 42	A,S,L	Kogwco91	Kogwco91	Kogwco91l		377	X	X	X
1991	8/7 - 8/24	335	50	118	Goodnews	3	19	1 - 33	A,S,L	Gnewco91	Gnewco91as					X	X
1991		335	14	080	Tuluksak	3	19	1-30	A,S,L	Tulwco91	Tulwco91as	Tulwco91l		647			
1991	8/26	335	10	104	Bethel	5	3 or 4	1 - 3	A,S,L	MISSING						X	X
1990	8/1 - 8/27	335	10	104	Bethel	1	3	1 - 11D	S,L,A	MISSING	90w13as	90w13l		389	X	X	X
1990	8/1 - 8/23	335	40	106	Quinhagak	1	3	1 - 69	S,L,A	Qhcgco90	Qhcgco90as	Table_12			X	X	X
1990	8/10 - 8/27	335	50	108	Goodnews	1	3	1 - 30	S,L,A	Gncgco90	Gncgco90as	Table_12			X	X	X
1990	8/23 - 8/8	335	30	110	Ignatti	3	19	1 - 20	S,L,A	Igw9043	Igw9043as	Igw9043l		173	X		
1989	7/18 - 8/29	335	10	104	Bethel	1	3	1 - 91	S,L,A	w189s3	Appe1	Table_12	883	743	X	X	X
1989	7/27 - 9/1	335	40	106	Quinhagak	1	3	1A - 22C	S,L,A	w489s3	Appe3	Table_12	770	673	X	X	X
1989	7/31 - 8/28	335	50	108	Goodnews	1	3	1A - 15C	S,L,A	w589s3	Appe4	Table_12	540	447	X	X	X
1989	6/19-9/1	335			Bethel	2					Appe5						
1989	6/19-9/8	335			Goodnews	2					Appe7						
1989	6/15-9/8	335			Quinhagak	2					Appe6						
1989	8/23	335	30	110	Ignatti	3	19	1 - 2	S,L,A	Kw9es43	Kw9es43as	Kw9es43l		75	X	X	X
1989	8/17 - 8/22	335	20	112	Kwethluk	4	10	100 - 106	S,L,A	Kwet8943	Table_13	Table_14		55	X	X	X
1988	7/25 - 8/31	335	10	104	Bethel	1	3	1 - 166	S,L,A	MISSING	88w13as			1,427	X	X	X
1988	8/1 - 8/17	335	40	106	Quinhagak	1	3	1 - 33	S,L,A	MISSING				286	X	X	X
1988	8/5 - 8/24	335	50	108	Goodnews	1	3	1 - 35	S,L,A	MISSING				222	X	X	X
1988	8/17 - 9/17	335	30	110	Kogrukluk	3	19	1 - 32	S,L,A	MISSING				589	X	X	X
1988	7/9	335	50	118	Goodnews	3		1		MISSING							X
1987	8/6 - 8/31	335	10	104	Bethel	1	4	1 - 96	S,L,A	MISSING	87w13as			820	X	X	X
1987	8/10 - 9/23	335	40	106	Quinhagak	1	4	1 - 26	S,L,A	MISSING				224	X	X	X
1987	8/3 - 8/19	335	50	108	Goodnews	1	4	1 - 26	S,L,A	MISSING				222	X	X	X
1987	8/10 - 9/23	335	30	110	Kogrukluk	3	19	1 - 26	S,L,A	MISSING				435	X	X	X
1986	7/31 - 8/28	335	10	104	Bethel	1	3	1 - 96	S,L,A	MISSING	86w13as			841	X	X	X
1986	8/6 - 8/15	335	40	106	Quinhagak	1	3	1A - 8D	S,L,A	MISSING				249	X	X	X
1986	8/11 - 8/16	335	50	108	Goodnews	1	3	1A - 9A	S,L,A	MISSING				232	X	X	X
1986	8/21 - 9/5	335	30	110	Kogrukluk	3	19	1 - 11	S,L,A	MISSING				214	X	X	X
1986	8/14 - 9/11	335	10	111	Kisaralik	3	10	1 - 9	S,L,A	MISSING			42	35	X	X	X
1986	7/16	335	50	108	Goodnews	4	2	1		MISSING			1			X	X
1985	8/1 - 8/29	335	10	104	Bethel	1	3	1 - 126	S,L,A	MISSING	85w13as		1,260	1,119		X	X
1985	8/1 - 8/19	335	40	106	Quinhagak	1	4	1 - 26	S,L,A	W48543gn			260	219	X	A-8(	A-8C
1985	8/1 - 8/21	335	50	108	Goodnews	1	3	1 - 22	S,L,A	W58543gn			250	197	X	A-7,	A-7A
1985	7/27 - 9/21	335	30	110	Kogrukluk	3	19	1 - 39	S,L,A	Kw8543we			866	575	X	X	X
1984	7/12 - 9/3	335	10	104	Bethel	1	4	1 - 46	S,L,A	MISSING	84w13as	Ce01284		1,333	X	X	X
1984	7/27 - 8/29	335	40	106	Quinhagak	1	4	1 - 13	S,L,A	MISSING		Ce01284			X	X	X
1984	7/20 - 9/3	335	50	108	Goodnews	1	4	1 - 9	S,L,A	MISSING		Ce01284			X	X	X
1984	7/24 - 9/15	335	30	110	Ignatti	3	19	1 - 53	S,L,A	MISSING	Ce01384				X	X	X
1984	7/21 - 7/31	335	40	105	Kanektok	4	2	1 - 9	S,L,A	MISSING					1-7	1-7	1-9
1984	8/23	335	40	105	Kanektok	4	10	1A - 1D		MISSING						X	
1983	8/1 - 8/26	335	10	104	Bethel	1	3	1 - 112	S,L,A	MISSING			1,120		X	X	X
1983	8/15 - 8/17	335	40	106	Quinhagak	1	4	1 - 25	S,L,A	MISSING			230		X	X	X
1983	8/19 - 8/22	335	50	108	Goodnews	1	4	1 - 26	S,L,A	MISSING			260		X	X	X
1983	8/13 - 9/26	335	30	110	Ignatti	3	19	1 - 44	S,L,A	MISSING			1,050		X	X	X
1983	6/27 - 7/28	335	20	105	Aniak	4	2	1 - 14		MISSING						X	
1982	7/29 - 8/26	335	10	104	Bethel	1	3	1 - 18	S,L,A	MISSING			540		X	X	X
1982	8/20	335	50	105	Goodnews	1	4	1 - 3	S,L,A	MISSING			90		X	X	X
1982	7/29 - 8/18	335	40	106	Quinhagak	1	4	1 - 12	S,L,A	MISSING			360		X	X	X
1982	8/2 - 9/1	335	30	110	Ignatti	3	19	1 - 10	S,L,A	MISSING			161		X	X	X
1981	8/3 - 8/31	335	10	104	Bethel	1	3	1 - 18	S,L,A	MISSING			540		X	X	X
1981	8/3 - 8/28	335	40	106	Quinhagak	1	4	1 - 17	S,L,A	MISSING			510		X	X	X
1981	8/12	335	50	108	Goodnews	1	4	1	S,L,A	MISSING			30		X	X	X
1981	8/2 - 10/5	335	00	110	Kogrukluk	3	19	1 - 29	S,L,A	MISSING			300		X		X
1981	8/6 - 10/5	335	30	110	Holitna	4	19	1 - 29	S,L,A	MISSING			480		X	X	X
1981	7/23 - 8/15	335	20	109	Aniak	smolt		1		MISSING						X	X

(continued)

Appendix Table 1.C3. Kuskokwim Area coho salmon ASL data inventory, 1964-1999. Page 3 of 3.

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data* Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1980	7/28 - 8/27	335	40	106	Quinhagak	1	3	1 - 14		MISSING						X	
1980	7/30-8/20	335	50	108	Goodnews	2	3	1-5	A	MISSING						X	
1980	8/18 - 9/8	335	20	109	Aniak	3	4	1	S,L,A	MISSING			30		X	X	X
1980	8/4-9/8	335			Kusko Sonar	3	3,4	1-33	A	MISSING						X	
1979	8/4 - 8/20	335	40	106	Quinhagak	1	3	1 - 9		MISSING			270			X	
1978	8/1 - 8/29	335	10	104	Bethel	1	3	1 - 33	S,L,A	MISSING			960	634	X	X	X
1978	8/9 - 8/28	335	40	106	Quinhagak	1	3	1 - 8	S,L,A	MISSING			160	102	X	X	X
1977	8/1 - 8/29	335	10	104	Bethel	1	3	1 - 20	S,L,A	MISSING			600	397	X	X	X
1977	7/19 - 8/22	335	40	106	Quinhagak	1	3	1 - 16	S,L,A	MISSING			430	264	X	X	X
1977	8/20	335	50	108	Goodnews	1	3	1 - 2	S,L,A	MISSING			60		X	X	X
1976	8/2 - 8/23	335	10	104	Bethel	1	3	1 - 16	S,L,A	MISSING			480	271	X	X	X
1976	8/3 - 8/13	335	40	106	Quinhagak	1	3	34 - 38	S,L,A	MISSING			150		X	X	X
1976	7/16	335	20	000	Arolik	4			L	MISSING			24				
1975	7/31-8/27	335	12	101	Kuskokwim R.	1			S,L,A	MISSING			162	162			
1975	8/1 - 8/26	335	10	104	Bethel	1		1 - 13	S,L,W,A	MISSING			420	162	X	X	X
1975	7/31	335	40	106	Quinhagak	1	3	1	S,L,A	MISSING			12		X	X	X
1974	8/2 - 8/14	335	10	104	Bethel	1	3	1 - 8	S,L,W,A	MISSING			180	94	X	X	X
1974	7/26 - 8/28	335	40	106	Quinhagak	1	3	1 - 21	S,L,A	MISSING			540	347	X	X	X
1974	8/8 - 8/24	335	50	108	Goodnews	1	3	1 - 6	S,L,A	MISSING			170	82	X	X	X
1974	7/19 - 8/11	335	11	102	Kwegooyuk	5	4	1 - 14	S,L,W,A	MISSING			147	140	X	X	X
1973	8/3 - 8/26	335	10	104	Bethel	1	3	41 - 51	S,L,W,A	MISSING			210	129	X	X	X
1972	8/9 - 8/19	335	10	104	Bethel	1		55 - 71	S,L,W,A	MISSING			125		X		X
1971	8/6 - 8/27	335	10	104	Bethel	1	6	67 - 75	S,L,A	MISSING			180		X		
1969	6/10 - 8/14	335	10	104	Bethel	1		11 - 34	S,L,W,A	MISSING			122		X		X
1969	6/24 - 7/24	335	50	108	Goodnews	1		2 - 26		MISSING			270		X		X
1968	8/13	335	10	104	Bethel	1	3	30 - 36	S,L,W,A	MISSING			200		X		X
1968	7/22	335	40	106	Quinhagak	1	1	25	S,L,W,A	MISSING			18		X		X
1967	8/1 - 8/10	335	10	104	Bethel	1	3	1-10,39-41	S,L,W,A	MISSING			330		X		X
1967	8/31	335	40	106	Quinhagak	1	3	35	S,L,W,A	MISSING			30		X		X
1966	8/2 - 8/26	335	10	104	Bethel	1	3 + 4	2 - 26	S,L,W,A	MISSING			192		X		X
1965	8/13	335	10	104	Bethel	1	3	19 - 20	S,L,W,A	MISSING			60		X		X
1961	8/24,8/29	335	10	104	Bethel	1		1 - 3	S,L,A	MISSING			91		X		X

a Not all historic electronic data has been located. Data may not have been transferred to electronic media; files may have been corrupted; or missing 5 1/4 disks still need to be located.
b All raw data files are of ASCII type, with the exception of 1999-2000 Yukon files having the extension of JUN. These files have been created in Excel.
c Refer to tables 1.1-1.6 for descriptions of corresponding file formats.
d Age comp and length summary files may be opened with Kedit (PRN, AS, L), Word (DOC, WP, WP5), and Excel (WKAL, XLS, WK3, WK1, WKS)
e RIR - Regional Information Report, TDR - Technical Data Report, TFR - Technical Fisheries Report, AWL - Age, Sex, and Size Composition Report, AMR- Annual Management Report, AAFI - Arctic Anadromous Fish Investigations
f Refer to table 1 for listing of all ASL source reports.
g The 1999 published ASL progress report (RIR 3A00-18) does not contain historical ASL tabular data. Electronic copies are available upon request.

Appendix Table 1.C4. Kuskokwim Area sockeye salmon ASL data inventory, 1964-1999. (page 1 of 4).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data* Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1999	6/30	335	10	104	Bethel	1	3 or 4	1 - 6	A,S,L	99w12	99w12as	99w12l		189	X	X	X
1999	6/28 - 7/19	335	40	106	Quinhagak	1	3 + 4	1 - 17	A,S,L	99w42	99w42as	99w42l	606	539	X	X	X
1999	7/7 - 7/21	335	50	107	Goodnews	1	3 or 4	1 - 18	A,S,L	99w52	99w52as	99w52l	630	532	X	X	X
1999	6/29 - 7/29	335	50	118	Goodnews	3	19	1 - 26	A,S,L	99gnw2	99gnw2as	99gnw2l	919	789	X	X	X
1998	6/24 - 7/22	335	10	104	Bethel	1	3	1 - 16	A,S,L	98w12	98w12as	98w12l		493	X	X	X
1998	6/15 - 7/29	335	40	106	Quinhagak	1	3	1 - 22	A,S,L	98w42	98w42as	98w42l		757	X	X	X
1998	6/30 - 7/27	335	50	108	Goodnews	1	3	1 - 25	A,S,L	98w52	98w52as	98w52l		740	X	X	X
1998	7/8 - 7/22	335	50	118	Goodnews	3	19	1 - 18	A,S,L	98gnw2	98gnw2as	98gnw2as		542	X	X	X
1997	6/23	335	12	104	Bethel	1	3	1 - 3	A,S,L	97w12	97w12as	97w12l		89	X	X	X
1997	6/19 - 7/25	335	40	106	Quinhagak	1	3	1 - 31	A,S,L	97w42	97w42as	97w42l		952	X	X	X
1997	6/23 - 7/25	335	50	108	Goodnews	1	3	1 - 28	A,S,L	97w52	97w52as	97w52l		833	X	X	X
1997	6/19 - 8/12	335	40	105	Kanektok	3	2	1 - 38	A,S,L	97kan2	97kan2as	97kan2l		740	X	X	X
1997	6/22 - 7/24	335	50	118	Goodnews	3	19	1 - 23	A,S,L	97gnw2	97gnw2as	97gnw2l		733	X	X	X
1996	6/17 - 7/8	335	12	104	Bethel	1	3	1 - 17	A,S,L	R6w12	R6w12as	R6w12l		520	X	X	X
1996		335	40	106	Quinhagak	1	3	1-16	A,S,L	R6w42	R6w42as	R6w42l		509			
1996	7/2 - 7/18	335	50	108	Goodnews	1	3	1 - 12	A,S,L	R6w52	R6w52as	R6w52l		343	X	X	X
1996	6/24 - 7/5	335	50	118	Goodnews	3	19	1 - 8	A,S,L	R6gn2	R6gn2as	R6gn2l		246	X	X	X
1995	6/22 - 7/3	335	10	104	Bethel	1	3	1 - 15	A,S,L	R5w12	R5w12as	R5w12l		419	X	X	X
1995	7/5 - 7/21	335	40	106	Quinhagak	1	3	1 - 22	A,S,L	R5w42	R5w42as	R5w42l		620	X	X	X
1995	7/5 - 7/14	335	50	108	Goodnews	1		1 - 12	A,S,L	R5w52	R5w52as	R5w52l		369	X	X	X
1995	6/28 - 8/9	335	50	118	Goodnews	3	19	1 - 99B	A,S,L	R5gn2	R5gn2as	R5gn2l		454	X	X	X
1995	6/10 - 6/11	335	10	104	Bethel	5	3	1 - 2	A,S,L	~~MISSING~~					X	X	X
1995	6/12	335	10	104	Bethel	5	3	1	A,S,L	~~MISSING~~					X	X	X
1995	6/13	335	10	104	Bethel	5	3	1	A,S,L	~~MISSING~~					X	X	X
1995	6/4-7/2	335	10	104	Bethel	5	4	3,8	A,S,L	~~MISSING~~					X	X	X
1995	6/24-7/9	335	10	104	Bethel	5	4	4,8-20	A,S,L	~~MISSING~~					X	X	X
1995	6/17-7/12	335	10	104	Bethel	5	4	1-18	A,S,L	~~MISSING~~					X	X	X
1995	6/20-7/16	335	10	104	Bethel	5	4	21-33	A,S,L	~~MISSING~~					X	X	X
1995	6/11-7/11	335	10	104	Bethel	5	3	1-12,18-43	A,S,L	~~MISSING~~					X	X	X
1995	6/12-8/7	335	10	104	Bethel	5	3	6-67	A,S,L	~~MISSING~~					X	X	X
1995	6/8-7/8	335	10	104	Bethel	5	3	1-45	A,S,L	~~MISSING~~					X	X	X
1995	6/13-7/9	335	10	104	Bethel	5	3	1-15, 45-46	A,S,L	~~MISSING~~					X	X	X
1994	6/24	335	12	104	Bethel	1	3 or 4	1A - 5D	A,S,L	94w12	94w12as	94w12l	200	173	X	X	X
1994	7/1 - 7/22	335	40	106	Quinhagak	1	3	1 - 18	A,S,L	94w42	94w42as				X	X	X
1994	7/4 - 7/21	335	50	108	Goodnews	1	12	1 - 18	A,S,L	94w52	94w52as	94w52l			X	X	X
1994	7/29 - 7/31	335	30	114	Ignatti	3	19	1 - 4	A,S,L	Kog94r	Kog94ras				X	X	X
1994	6/30	335	50	118	Goodnews	3	19	1 - 6	A,S,L	94gnw2	94gnw2as	94gnw2l			X	X	X
1994	7/17 - 8/15	335	14	080	Tuluksak	3	19	1 - 7	A,S,L	Tul94r	Tul94ras	Tul94rl		18	X	X	X
1994	7/4 - 7/11	335	10	104	Bethel	5	3	1 - 2	A,S,L	Bt94r27d	Bt94r27das				X	X	X
1994	6/23 - 7/8	335	10	104	Bethel	5	4	1 - 7	A,S,L	Bt94r27s	Bt94r27sas				X	X	X
1994	6/22 - 7/17	335	10	104	Bethel	5	4	1 - 7	A,S,L	Bt94r40s	Bt94r40sas				X	X	X
1994	6/20 - 7/13	335	10	104	Bethel	5	4	1 - 19	A,S,L	Bt94r65s	Bt94r65sas				X	X	X
1994	6/16 - 7/10	335	10	104	Bethel	5	3	1 - 20	A,S,L	Bt94r80d	Bt94r80das				X	X	X
1994	6/11 - 7/19	335	10	104	Bethel	5	3	1 - 46	A,S,L	Bt94r65d	Bt94r65das				X	X	X
1994	6/14 - 7/19	335	10	104	Bethel	5	3	1 - 31	A,S,L	Bt94r40d	Bt94r40das				X	X	X
1994	6/16 - 8/7	335	10	104	Bethel	5	4	1 - 26	A,S,L	Bt94r55s	Bt94r55sas				X	X	X
1994	6/14 - 7/22	335	10	104	Bethel	5	3	1 - 53	A,S,L	Bt94r54d	Bt94r54das				X	X	X
1993	6/25	335	12	104	Bethel	1	3 or 4	1 - 5	A,S,L	93w12	93w12as	93w12l	200	186	X	X	X
1993	6/24 - 7/28	335	40	106	Quinhagak	1		1 - 24	A,S,L	93w42	93w42as					X	X
1993	6/30 - 7/7	335	50	108	Goodnews	1	3 or 4	1 - 12	A,S,L	93w52	93w52as	93w52l				X	X
1993	7/15 - 7/27	335	30	114	Ignatti	3	19	1 - 13	A,S,L	Kog93r	Kog93ras				X	X	X
1993	6/24 - 7/13	335	50	118	Goodnews	3	19	1 - 12	A,S,L	93gnw2	93gnw2as	93gnw2				X	X
1993	7/3 - 8/8	335	14	080	Tuluksak	3	19	1 - 14	A,S,L	Tul93r	Tul93ras	Tul93rl		33		X	X
1993	7/21	335	50		Goodnews		3	19 - 24	A,S,L	93w52a	93w52aas	93w52al				X	X
1992	6/18 - 6/29	335	10	104	Bethel	1	3 or 4	1 - 15	A,S,L	92w12	92w12as	92w12l	600	504		X	X
1992	6/24-7/13	335	40	106	Quinhagak	1			A,S,L	92w42	92w42as			255			
1992	6/22 - 7/27	335	50	108	Goodnews	1	3	1 - 21	A,S,L	92gnw2	92gnw2as	92gnw2l				X	X
1992	6/24 - 8/17	335	20	112	Kwethluk	3	19	1 - 30	A,S,L	92kwe42	92kwe42as	92kwe42l		272			X
1992	7/11 - 7/25	335	30	114	Ignatti	3	19	1 - 11	A,S,L	92kog42	92kog42as					X	X
1992	7/10 - 8/2	335	50	118	Goodnews	3	19	1 - 15	A,S,L	92gnb2	92gnb2as	92gnb2l				X	X
1992	7/14-9/3	335	14	080	Tuluksak	3	19		A,S,L	92tul42	92tul42as	92tul42l		29			
1992	6/15-7/4	335	10	104	Bethel	5	3,4	1-32	A,S,L	~~MISSING~~						X	X

(continued)

Appendix Table 1.C4. Kuskokwim Area sockeye salmon ASL data inventory, 1964-1999. (page 2 of 4).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data* Raw	Age Comp Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1991	6/20	335	12	104	Bethel	1		1 - 5	A,S,L	MISSING				147	X	X	X
1991	7/1	335	10	104	Bethel	1	3 or 4	6 - 9	A,S,L	MISSING				98	X	X	X
1991	7/6-7/18	335	10	104	Bethel	1	3	10 - 18	A,S,L	91w12	91w12as	91w12l		247	X	X	X
1991	6/24 - 7/19	335	40	106	Quinhagak	1	3 or 4	1 - 15	A,S,L	Qhcgrd91	Qhcgrd91as					X	X
1991	6/20 - 7/31	335	50	108	Goodnews	1	3 or 4	1 - 21	A,S,L	91w52a	91w52aas	91w52al				X	X
1991	7/6 - 7/23	335	30	114	Ignatti	3	19	1 - 18	A,S,L	Kogwrd91	Kogwrd91as				X	X	X
1991	7/2 - 7/28	335	50	118	Goodnews	3	19	1 - 18	A,S,L	91gnw2	91gnw2as	91gnw2l				X	X
1991	7/18-8/13	335	14	080	Tuluksak	3	19	3-13	A,S,L	Tulwrd91	Tulwrd91as	Tulwrd91l		20	X		
1990	6/25 - 7/9	335	10	104	Bethel	1	3	1 - 8	S,L,A	90w12	90w12as	90w12l	292	250	X	X	X
1990	6/14 - 8/1	335	40	106	Quinhagak	1	3 or 4	1 - 21	S,L,A	Qhcgrd90	Qhcgrd90as	Table_08			X	X	X
1990	6/20 - 7/23	335	50	108	Goodnews	1	3 or 4	1 - 17	S,L,A	90w52	90w52as	90w52l			X	X	X
1990	7/1 - 7/22	335	30	110	Ignatti	3	19	1 - 20	S,L,A	Igw9042	IGW9042as	Igw9042l			X		
1990	6/28 - 7/21	335	50	118	Goodnews	4	2	1 - 9	S,L,A	90gnw2	90gnw2as	90gnw2l			X	X	X
1989	6/19 - 7/3	335	10	104	Bethel	1	3	1 - 7	S,L,A	89w12	89w12as	89w12l	187	175	X	X	X
1989	6/23 - 7/27	335	40	106	Quinhagak	1	3	1 - 20	S,L,A	W489s2	Appd3	Table_08			X	X	X
1989	6/19 - 7/14	335	50	108	Goodnews	1	3	1 - 23	S,L,A	89w52	89w52as	89w52l			X	X	X
1989	6/19-9/1	335			Bethel	2					Appd5						
1989	6/19-9/8	335			Goodnews	2					Appd7						
1989	6/15-9/8	335			Quinhagak	2					Appd6						
1989	7/25	335	40	105	Kanektok	3	3	1 - 4	S,L,A	Kane8942	Table_09	Table_10			X	X	X
1989	7/7 - 7/14	335	30	110	Ignatti	3	19	1- 8		MISSING	Kw9es42as	Kw9es42l				X	X
1989	6/28 - 7/20	335	50	118	Goodnews	3	2	1 - 5	S,L,A	89gnw2	89gnw2as	89gnw2l			X	X	X
1989	7/20 - 7/22	335	50	118	Goodnews	4	2	1 - 3	S,L,A	89gnw2B	89gnw2as	89gnw2l			X	X	X
1989	9/1 - 9/4	335			Lower GNS Lake	4	12	91140-91164		MISSING						X	X
1989	8/17	335			Stoney R	4	4	1 - 3	S,L,A	Ston8942		Table_10			X	X	X
1989	8/24 - 9/8	335			Kagati			1 - 13		MISSING						X	X
1988	6/16 - 6/28	335	10	104	Bethel	1	3	1 - 16	S,L,A	MISSING	88w12as			453	X	X	X
1988	6/14 - 8/1	335	40	106	Quinhagak	1	3	1 - 26	S,L,A	MISSING				748	X	X	X
1988	6/16 - 8/8	335	50	108	Goodnews	1	3	1 - 25	S,L,A	88w52	88w52as	88w52l	834	546	X	X	X
1988	7/6 - 7/27	335	30	110	Kogrukluk	3	19	1 - 21	S,L,A	MISSING				328	X	X	X
1988	6/29 - 7/28	335	50	118	Goodnews	3	2	1 - 22	S,L,A	88gnw2	88gnw2as	88gnw2l	605	315	X	X	X
1988	8/30 - 9/12	335			Lower Kagati			1 - 30	S,L	MISSING					X	X	X
1987	6/18 - 7/7	335	10	104	Bethel	1	4	1 - 19	S,L,A	MISSING	87w12as			567	X	X	X
1987	6/30 - 7/4	335	40	106	Quinhagak	1	3	1 - 5	S,L,A	MISSING					X	X	X
1987	6/24 - 7/15	335	50	108	Goodnews	1	4	1 - 17	S,L,A	87w52	87w52as	87w52l	597	541	X	X	X
1987	7/4 - 7/22	335	30	110	Holitna	2	3 or 4	1 -11		MISSING				43		X	
1987	7/15 - 8/11	335	30	110	Kogrukluk	3	19	1 - 5	S,L,A	MISSING				43	X	1 - 5	1 - 4
1987	6/27 - 7/29	335	50	118	Goodnews	3	2	1 - 26	S,L,A	87gnw2	87gnw2as	87gnw2l	610	578	X		X
1987	7/8 - 8/10	335	40	105	Kanektok	4	3	1 - 15	S,L,A	MISSING				295	X	X	X
1987	8/14 - 8/18	335	30	110	Kogrukluk	4	12,19	1 - 4	S,L,A	MISSING					X	X	X
1987	7/4 - 7/24	335	30	110	Holitna	3 , 2	4	1 - 10	S,L,A	MISSING				123	X	X	
1986	6/26 - 7/10	335	10	104	Bethel	1	3	1 - 17	S,L,A	MISSING	86w12as			535	X	X	X
1986	6/19 - 7/21	335	40	106	Quinhagak	1	4	1 - 14	S,L,A	MISSING				429	X	X	X
1986	6/20 - 7/19	335	50	108	Goodnews	1	3	1 - 15	S,L,A	86gnw2	86gnw2as	86gnw2l	95	91	X	X	X
1986	6/25 - 7/11	335	40	105	Kanektok	3	2	1 -11	S,L,A	MISSING					X	X	X
1986	6/29 - 7/19	335	30	110	Kogrukluk	3	19	1 - 20	S,L,A	MISSING					X		X
1986	8/14	335	10	111	Kisaralik	3		1	S,L,A	MISSING			3		X		
1986	7/10 - 7/23	335	50	118	Goodnews	3	2	1 - 8	S,L,A	86w52	86w52as	86w52l	600	553	X	X	X
1985	6/20 - 7/4	335	10	104	Bethel	1	3	1 - 25	S,L,A	85w12	85w12as		995	895	X	X	X
1985	6/20 - 7/15	335	40	106	Quinhagak	1	4	1 - 12	S,L,A	W48542gn			360	311	X	X	X
1985	7/2 - 8/10	335	50	108	Goodnews	1	3	1 - 16	S,L,A	85w52	85w52as	85w52l	595	479	X	X	X
1985	6/28 - 7/26	335	40	105	Kanektok	3	2	1 - 9	S,L,A	Kr8542			17	12	X	X	X
1985	7/6 - 7/9	335	20	109	Aniak	3	3	1 - 3	S,L,A	As8542gn			3	3	X	X	X
1985	7/8 - 8/12	335	30	110	Kogrukluk	3	19	1 - 34	S,L,A	Kw8542we			756	602	X	X	X
1985	8/6 - 8/11	335	40	105	Kanektok	4	12	1 - 6	S,L,A	Kr8542B			16	14	X	X	X
1985	7/12 - 7/17	335	50	108	Goodnews	4	2,3	1 - 2	S,L,A	85gnw2	85gnw2as	85gnw2l	10	9	X	X	X
1985	8/7 - 8/10	335	50	118	Goodnews	4	12	1	nol/s	Gr8542ca			13	10		X	X
1984	6/18 - 7/16	335	10	104	Bethel	1	3	1 - 11	S,L,A	MISSING	84w12as	Ce00884		296	X	X	X
1984	6/18 - 7/23	335	40	106	Quinhagak	1	3	1 - 19	S,L,A	MISSING		Ce00884			X	X	X
1984	7/9 - 7/23	335	50	108	Goodnews	1	3	1 - 17	S,L,A	MISSING		Ce00884			X	X	X
1984	6/18 - 7/28	335	40	105	Kanektok	3	2	1 - 26	S,L,A	MISSING	Ce00984	Ce01084			X	X	X
1984	6/21 - 8/15	335	30	110	Ignatti	3	19	1 - 51	S,L,A	MISSING	Ce00984	Ce01084			X	X	X
1984	8/8 - 8/13	335	40	105	Kanektok	4	12	1 - 12	S,L,A	MISSING	Ce00984	Ce01084			X	X	X
1984	8/8 - 8/11	335	50	118	Goodnews	4	12	1 - 4	S,L,A	84gnw2	84gnw2as	84gnw2l	64	48	X	X	X

(continued)

Appendix Table 1.C4. Kuskokwim Area sockeye salmon ASL data inventory, 1964-1999. (page 3 of 4).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data* Raw	Electronic Data* Age Comp. Summary	Electronic Data* Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1983	6/13 - 8/1	335	10	104	Bethel	1	3	1 - 20	S,L,A	MISSING					X	X	X
1983	6/23 - 7/22	335	40	106	Quinhagak	1	4	1 - 22	S,L,A	MISSING					X	X	X
1983	6/20 - 7/22	335	50	108	Goodnews	1	4	1 - 16	S,L,A	MISSING					X	X	X
1983	7/11	335	20	109	Aniak	3	3	1	S,L,A	MISSING					X	X	X
1983	6/26 - 8/4	335	30	110	Ignatti	3	19	1 - 15	S,L,A	MISSING					X	X	X
1983	8/5 - 8/7	335	50	118	Goodnews	4	12	1 - 3	S,L,A	MISSING					X	X	X
1982	6/15 - 7/12	335	10	104	Bethel	1	3	1 - 13	S,L,A	MISSING					X	X	X
1982	7/5 - 7/7	335	40	106	Quinhagak	1	4	1 - 10	S,L,A	MISSING					X	X	
1982	7/3 - 7/20	335	50		Goodnews	1	4	1 - 4	S,L,A	MISSING					X	X	X
1982	7/10 - 8/11	335	30	110	Ignatti	3	19	1 - 28	S,L,A	MISSING					X	X	X
1981	6/10 - 7/9	335	12	104	Bethel	1	3	101 - 109	S,L,A	MISSING					X	X	X
1981	6/16 - 7/29	335	42	106	Quinhagak	1	4	1 - 14		MISSING						X	X
1981	6/19 - 8/12	335	50	108	Goodnews	1	4	1 - 7	S,L,A	MISSING					X	X	X
1981		335	20	109	Aniak	3		1	S,L	MISSING					X	X	X
1981	8/3 - 8/26	335	30	110	Holitna	3	19	1 - 6	S,L,A	MISSING					X	X	X
1981	6/8 - 7/15	335	42	102	Kwegooyuk	5	4	1 - 36		MISSING						X	X
1981	6/10 - 6/28	335	10	104	Bethel	5	4	1 - 13	S,L,A	MISSING					X	X	X
1980	6/12 - 7/9	335	42	104	Bethel	1	3	1- 7	S,L,A	MISSING					X	X	X
1980	6/30 -8/1	335	45	108	Goodnews	1	3	1 - 7	S,L,A	MISSING					X	X	X
1980	6/13 - 8/4	335	42	106	Quinhagak	2	3 + 4	1 - 12	S,L,A	MISSING					X	X	X
1980		335	20	109	Aniak	3		1		MISSING						X	X
1980		335	30	110	Holitna	3	19			MISSING				20			
1980	7/3 - 7/7	335	50	110	Kogrukluk	3	19	1 - 4	S,L,A	MISSING					X	X	X
1980	6/5 - 7/15	335	42	102	Kwegooyuk	5	4	1 - 24	S,L,A	MISSING					X	X	X
1979	7/21	335	40	106	Quinhagak	1	3	4		MISSING						X	
1979		335	30	110	Holitna	3	19			MISSING				177			
1978	7/11 - 7/26	335	40	106	Quinhagak	1	3	1 - 7	S,L,A	MISSING				108	X	X	X
1978	6/30	335	50	108	Goodnews	1	3	1 - 2	S,L,A	MISSING					X	X	X
1978	7/2 - 7/28	335	00	110	Kogrukluk	3	19	1 - 7	S,L,A	MISSING					X	X	X
1978	6/7 - 7/15	335	11	101	Kwegooyuk	5	4	1 - 32	S,L,A	MISSING				140	X	X	X
1978	6/28	335	20	112	Kwethluk			1		MISSING						X	X
1977	6/20 - 7/4	335	10	104	Bethel	1	3	1 - 5	S,L,A	MISSING					X	X	X
1977	6/17 - 8/8	335	40	106	Quinhagak	1	3	1 - 15	S,L,A	MISSING				343	X	X	X
1977	7/1	335	50	108	Goodnews	1	3	1	S,L,A	MISSING					X		X
1977		335	30	110	Kogrukluk	3	19	14 - 27		MISSING				1,112			X
1977	6/9 - 7/15	335	40	102	Kwegooyuk	5	4	1 - 9	S,L,A	MISSING				84	X		X
1976	6/22 - 7/27	335	40	106	Quinhagak	1	3	4 -33	S,L,A	MISSING				215	X		
1976	7/3 - 7/22	335	30	110	Kogrukluk	3	19		S,L,A	MISSING					X		
1976	6/15 - 6/24	335	40	102	Kwegooyuk		3 or 4	1 - 34	S,L,A	MISSING				131	X	X	X
1975	6/24 - 6/30	335	10	104	Bethel	1	3	1 - 2	S,L,A	MISSING					X	X	X
1975	7/4 - 7/31	335	40	106	Quinhagak	1	3	1 - 10	S,L,A	MISSING				183	X	X	X
1975	6/11 - 7/17	335	11	102	Kwegooyuk	5	4	1 - 19	S,L,A	MISSING				87	X	X	X
1975	6/24	335	10	101	Kuskokwim R			2		MISSING						X	X
1974	6/24 - 8/5	335	40	106	Quinhagak	1	3	1 - 22	S,L,A	MISSING				370	X	X	X
1974	7/11 - 8/8	335	50	108	Goodnews	1	3	1 - 9	S,L,A	MISSING				107	X	X	X
1974	6/12 - 8/9	335	10	102	Kwegooyuk	5	4	2 - 46	S,L,A	MISSING				149	X	X	X
1973	6/19 -7/13	335	10	102	Kwegooyuk	5	4	1 - 14	S,L,A	MISSING				20	X	X	X
1972	7/10 - 7/14	335	10	102	Kwegooyuk	5	4	31,51,54,59	S,L,A	MISSING					X	X	X
1971	7/2-7/9	335	10	104	Bethel	1			S,L,A	MISSING							
1971	7/1 - 7/11	335	10	102	Kwegooyuk	5	4	9 - 38	S,L,A	MISSING					X		
1970	6/26 - 7/6	335	40	106	Quinhagak	1		*	S,L,A	MISSING					X	X	X

(continued)

Appendix Table 1.C4. Kuskokwim Area sockeye salmon ASL data inventory, 1964-1999. (page 4 of 4).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data[a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1969	6/24 - 7/15	335	40	106	Quinhagak	1	3	6 - 47	S,L,A	~~MISSING~~					X		X
1968	8/19	335	00	110	Holitna			2	S,L,A	~~MISSING~~					X	X	X
1968	7/2 - 7/6	335	40	106	Quinhagak	1	3	10 - 23	S,L,A	~~MISSING~~					X	X	X
1967	8/20	335			Goodnews Lake	4		1	S,L,A	~~MISSING~~					X		
1967	6/7	335	11	102	Kwegooyuk	5	4	1 - 2	S,L,A	~~MISSING~~					X	X	
1965	7/3	335	40	106	Quinhagak	1		1 - 4	S,L,A	~~MISSING~~					X	X	X
1964	7/10 - 7/15	335	40	106	Quinhagak	1	3 + 4	35 - 55	S,L,A	~~MISSING~~					X		X

[a] Not all historic electronic data has been located. Data may not have been transferred to electronic media; files may have been corrupted; or missing 5 1/4 disks still need to be located.

[b] All raw data files are of ASCII type, with the exception of 1999-2000 Yukon files having the extension of JUN. These files have been created in Excel.

[c] Refer to tables 1.1-1.6 for descriptions of corresponding file formats.

[d] Age comp and length summary files may be opened with Kedit (PRN, AS, L), Word (DOC, WP, WP5), and Excel (WKAL, XLS, WK3, WK1, WKS)

[e] RIR - Regional Information Report, TDR - Technical Data Report, TFR - Technical Fisheries Report, AWL - Age, Sex, and Size Composition Report, AMR- Annual Management Report, AAFI - Arctic Anadromous Fish Investigations

[f] Refer to table 1.1 for listing of all ASL source reports.

[g] The 1999 published ASL progress report (RIR 3A00-18) does not contain historical ASL tabular data. Electronic copies are available upon request.

Appendix Table 1.C5. Kuskokwim Area pink salmon ASL data inventory, 1968-1994.

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data[a] Raw	Electronic Data[a] Age Comp. Summary	Electronic Data[a] Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1994	6/29 - 9/11	335	14	080	Tuluksak	3	19	1-9	S,L,A	Tul94p	Tul94pas		34				
1985	7/6 - 7/7	335	20	109	Aniak	3	2	1 - 2	S,L,A	As8544gn			2	1	X	X	X
1982	7/18 - 8/18	335	30	110	Ignatti	3	19	1 - 2	S,L,A	~~MISSING~~			2		X	X	X
1981		335	30	110	Holitna	3	19	1		~~MISSING~~			8				X
1978	7/22	335	30	110	Kogrukluk	3	19		S,L,A	~~MISSING~~			4		X		X
1975	7/12	335	11	102	Kwegooyuk	5	4	1	S,L,A	~~MISSING~~			1		X	X	X
1974	6/21 - 7/19	335	11	102	Kwegooyuk	5	4	1 - 13	S,L,A	~~MISSING~~			16		X		
1973	6/25 - 7/12	335	11	102	Kwegooyuk	5	4	1 - 5	S,L,A	~~MISSING~~			7		X	1 - 3	X
1972	7/7	335	10	104	Bethel	1		46	S,L,W,A	~~MISSING~~			1		X		
1969	7/1 - 7/15	335	40	106	Quinhagak	1		*	S,L,A	~~MISSING~~			86		X	X	5,22,2
1968	7/1 - 7/22	335	40	106	Quinhagak	1	3	9,14,26	S,L,A	~~MISSING~~			80		X	14	X

[a] Not all historic electronic data has been located. Data may not have been transferred to electronic media; files may have been corrupted; or missing 5 1/4 disks still need to be located.

[b] All raw data files are of ASCII type, with the exception of 1999-2000 Yukon files having the extension of JUN. These files have been created in Excel.

[c] Refer to tables 1.1-1.6 for descriptions of corresponding file formats.

[d] Age comp and length summary files may be opened with Kedit (PRN, AS, L), Word (DOC, WP, WP5), and Excel (WKAL, XLS, WK3, WK1, WKS)

[e] RIR - Regional Information Report, TDR - Technical Data Report, TFR - Technical Fisheries Report, AWL - Age, Sex, and Size Composition Report, AMR- Annual Management Report, AAFI - Arctic Anadromous Fish Investigations

[f] Refer to table 1.1 for listing of all ASL source reports.

[g] The 1999 published ASL progress report (RIR 3A00-18) does not contain historical ASL tabular data. Electronic copies are available upon request.

Appendix Table 1.C6. Yukon Area chinook salmon ASL data inventory, 1960-2000. (page 1 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [ab] Raw	Electronic Data [ab] Age Comp. Summary	Electronic Data [ab] Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
2001	7/16-9/15	334	20	071	Andreafsky, East Fork	3	19	1 - 14	S,L,A	Aef41wr01	Aef41wr01asl	Aef41wr01asl	136	125	X		
2001	7/19 - 8/9	334	47	064	Anvik	4	12	1 - 44	S,L,A	Avk41cr01	Avk41cr01asl	Avk41cr01asl	400	337	X		
2001	6/8 - 7/6	334	14	057	Big Eddy	5	3	1 - 46	S,L,A	Be41825dg01	Be41825dg01asl	Be41825dg01asl	313	284	X		
2001	6/14 - 7/4	334	10	057	Big Eddy	5	3	1 - 15	S,L,A	Be5541dg01	Be5541dg01asl	Be5541dg01asl	44	41	X		
2001	6/9 - 7/9	334	10	057	Big Eddy	5	4	1 - 11	S,L,A	Be7451sg01	Be7451sg01asl	Be7451sg01asl	60	53	X		
2001	6/8 - 7/14	334	10	057	Big Eddy	5	4	1 - 63	S,L,A	Be8541sg01	Be8541sg01asl	Be8541sg01asl	447	421	X		
2001	7/8	334	40	095	Ruby	3	8	1	S,L	Bev41fw01	Bev41fw01asl	Bev41fw01asl	8	0	X		
2001	7/31 - 8/13	334	60	066	Cheena		12	1 - 63	S,A	Che41cr01	Che41cr01as		596	519	X		
2001	7/31-8/9	334	63	209	Chatanika		12	1 - 7	S,A	Cht41cr01	Cht41cr01as		44	29	X		
2001	7/9-8/8	334	40	201	Gisasa	3	19	1 - 82	S,L,A	Gis41wr01	Gis41wr01asl	Gis41wr01asl	694	574	X		
2001	7/7-8/9	334	40	211	Henshaw Creek	3	19	1 - 57	S,L,A	Hen41wr01	Hen41wr01asl	Hen41wr01asl	430	375	X		
2001	6/11-7/17	334	20	073	Marshall		3	1 - 74	S,L,A	Mht41dgn01	Mht41dgn01asl	Mht41dgn01asl	1,148	952	X		
2001	6/13-7/11	334	15	059	Middle Mouth	5	4	1 - 21	S,L,A	Mm41825dg01	Mm41825dg01asl	Mm41825dg01asl	127	117	X		
2001	6/20-7/7	334	15	059	Middle Mouth	5	4	1 - 7	S,L,A	Mm5541dg01	Mm5541dg01asl	Mm5541dg01asl	9	9	X		
2001	6/11-7/15	334	15	059	Middle Mouth	5	4	1 - 77	S,L,A	Mm8541sg01	Mm8541sg01asl	Mm8541sg01asl	638	593	X		
2001	6/11-8/31	334	20	081	Pilot Station				S,L,A	PilotChinook01	PilotChinook01asl	PilotChinook01asl	673	584	X		
2001	7/6	334	52	101	Rampart Rapids		8	1 - 2	S,L	Rap41fw01	Rap41fw01asl	Rap41fw01asl	20	0	X		
2001	6/11 - 7/20	334		076	Russian Mission			1 - 99	S,L,A	Rmt41dgn01	Rmt41dgn01asl	Rmt41dgn01asl	923	781	X		
2001	8/10 - 8/25	334	60	067	Salcha			1 - 32	S,L,A	Sal41cr01	Sal41cr01asl	Sal41cr01asl	308	192	X		
2001	7/6-7/23	334	50	32X	Sheep/White Rock		8	74201-29, 74601-52	S,L,A	SRWR41fw01	SRWR41fw01asl	SRWR41fw01asl	800	645	X		
2001	7/8-8/12	334	40	214	Tozitna	3	12	1 - 10	S,L,A	Toz41cr01	Toz41cr01asl	Toz41cr01asl	60	56	X		
2001	6/12-6/26	334	10	080	Emmonak	2	3,4	1 - 28	S,L,A	Y141sb55gn01	Y141sb55gn01asl	Y141sb55gn01asl	212	199	X		
2001	6/12-6/26	334	10	080	Emmonak	2	3,4	1 - 51	S,L,A	Y141sb85gn01	Y141sb85gn01asl	Y141sb85gn01asl	478	451	X		
2001	6/22	334	10	080	Emmonak	2	3	1 - 5	S,L,A	Y141sbmxgn01	Y141sbmxgn01asl	Y141sbmxgn01asl	48	45	X		
2001	7/10	334	42	086	Galena	2	4	4 - 7	S,L,A	Y4BR41sbgn01	Y4BR41sbgn01asl	Y4BR41sbgn01asl	40	39	X		
2001	6/28-7/5	334	46	087	Kaltag	2	3	1 - 30	S,L,A	y4k41sbgn01	y4k41sbgn01asl	y4k41sbgn01asl	248	172	X		
2001	7/2 - 7/9	334	43	095	Ruby	2	8	*4 - 13	S,L,A	y4R41sbfw01	y4R41sbfw01asl	y4R41sbfw01asl	100	94	X		
2001	7/6-7/18	334	52	101	Rampart Rapids	2	8	1 - 19	S,L,A	Y541sbfw01	Y541sbfw01asl	Y541sbfw01asl	173	148	X		
2001	7/11-7/21	334	62	091	Nenana	2	8	1 - 7	S,L,A	Y641sbfw01	Y641sbfw01asl	Y641sbfw01asl	58	44	X		
2000	6/24	334	10	080	Emmonak	1	4	1 - 40	S,L,A	Y1014100	y141ucm00asl	y141ucm00asl		354		X	X
2000	6/29	334	10	080	Emmonak	1	4	1 - 40	S,L,A	Y1024100	y141ucm00asl	y141ucm00asl		367		X	X
2000	6/27	334	20	061	St. Marys	1	4	1 - 40	S,L,A	Y2014100	y241ucm00asl	y241ucm00asl		354		X	X
2000	7/1-7/9	334	40	087	Kaltag	2	3	1-17	S,L,A	Y4k41sbdgn00	Y4k41sbdgn00asl	Y4k41sbdgn00asl		126	X	X	X
2000	6/29-8/20	334	20	071	Andreafsky, East Fork	3	19	000 - 025B	S,L,A	Aef41cr00	Aef41cr00asl	Aef41cr00asl		175	X	X	X
2000	7/6-8/7	334	40	201	Gisasa	3	19	1 - 90	S,L,A	Gis41wr00	Gis41wr00asl	Gis41wr00asl		646	X	X	X
2000	7/11-8/6	334		211	Henshaw Cr.	3	19	1-10	S,L,A	Hen41wr00	Hen41wr00asl	Hen41wr00asl		37	X	X	X
2000	8/2-8/23	334	20	071	Andreafsky, East Fork	4	19	101-117	S,L,A	Aef41wr00	Aef41wr00asl	Aef41wr00asl		128	X	X	X
2000	8/3-8/17	334	47	064	Anvik	4	12	1 - 25	S,L,A	Avk41cr00	Avk41cr00asl	Avk41cr00asl		203	X	X	X
2000	8/7-8/9	334	60	066	Chena	4	12	1 - 16	S,L,A	Che41cr00	Che41cr00asl	Che41cr00asl		149	X	X	X
2000	8/1-8/8	334	63	209	Chatanika	4	12	1-5	S,L,A	Cht41cr00	Cht41cr00asl	Cht41cr00asl		35	X	X	X
2000	8/4 - 8/6	334	63	067	Salcha	4	12	1 - 6	S,L,A	Sal41cr00	Sal41cr00asl	Sal41cr00asl		41	X	X	X
2000	8/8-8/10	334		068	Goodpaster	4	12	1-19	S,L,A	Gdp41cr00	Gdp41cr00asl	Gdp41cr00asl		155	X	X	X
2000	6/15-6/29	334	10	057	Big Eddy	5	3	1-20	S,L,A	~~MISSING~~	Be841dg00asl	Be841dg00asl		80	X	X	X
2000	6/4-7/15	334	10	057	Big Eddy	5	4	1 - 85	S,L,A	Be841sg00	Be841sg00asl	Be841sg00asl		639	X	X	X
2000	6/10 - 7/15	334	15	059	Middle Mouth	5	4	1 - 52	S,L,A	Mm841sg00	Mm841sg00asl	Mm841sg00asl		311	X	X	X
2000	6/13-7/15	334	20	073	Marshall Test	5	3	1-95	S,L,A	Mar41test00	Mar41test00asl	Mar41test00asl		604			
2000	6/9-8/11	334		081	Pilot Station Sonar	5	3	3 - 94	S,L,A	Pst41dgn00	Pst41dgn00asl	Pst41dgn00asl		456			
2000	7/4-8/1	334		325	Sheep Rock	5	8	60951-60990	S,L,A	Shr41cr00	Shr41fw00asl	Shr41fw00asl		298	X		X
2000	7/5-8/2	334		328	White Rock	5	8	60301-60629	S,L,A	Whr41cr00	Whr41fw00asl	Whr41fw00asl		669	X		X
2000	7/24-8/2	334	60	066	Chena			512-527	S,L,A	Che41mk00	Che41mk00asl	Che41mk00asl		317		X	X
2000	6/16-7/13	334	20	073	Marshall Tagging				S,L,A	Mar41tag00	Mar41tag00asl	Mar41tag00asl		137			
2000	6/9-7/13	334		076	Russian Mission				S,L,A	Rmt41dgn00	Rmt41dgn00asl	Rmt41dgn00asl		280			
2000	7/13 - 8/10	334	50	069	Dawson			46618 - 46643	S,L,A	Daw41dgn00	Daw41dgn00asl	Daw41dgn00asl					
1999	6/22 - 7/8	334	10	080	Emmonak	1	3	1-200	S,L,A	Y10X4199	Y141ucm99as	Y141ucm99l				X	X
1999	6/25 - 7/5	334	20	061	St. Marys	1	3	1-160	S,L,A	Y20X4199	y241ucm99as	y241ucm99l				X	X
1999	7/9-7/16	334	42	086	Galena	1	4	1 - 18	S,L,A	Y4b41sgn99	y4b41sgn99asl	y4b41sgn99asl		159	X	X	X
1999	7/8-7/12	334	43	095	Ruby	1	8	1 -25	S,L,A	Y4c41fw99	Y4c41fw99asl	Y4c41fw99asl		224	X	X	X
1999	7/19-8/9	334	50	069	Dawson	1	4	1-20	S,L,A	Daw41dg99	Daw41dg99asl	Daw41dg99asl		159	X		X
1999	7/14-7/18	334	52	092	Tanana Village	1	8	1 - 21	S,L,A	Y5bc41sgfw99	Y5bc41sgfw99asl	Y5bc41sgfw99asl		151	X	X	X
1999	7/18	334	62	091	Nenana	1	8	1 - 9	S,L,A	Y6b41sgfw99	Y6b41sgfw99as			67	X	X	X
1999	7/3-7/17	334	40	087	Kaltag	2	3	1-16	S,L,A	Y4k41sbdgn99	Y4k41sbdgn99asl	Y4k41sbdgn99asl		137	X	X	X
1999	7/5-7/9	334	46	085	Koyukuk, Nulato	2	3	1-3	S,L,A	Y4a41sbdgn99	Y4a41sbdgn99asl	Y4a41sbdgn99asl		28	X	X	
1999	7/8-7/9	334	52	092	Tanana Village	2	8	1-10	S,L,A	Y5b41sbfw99	Y5b41sbfw99asl	Y5b41sbfw99asl		69	X	X	X
1999	7/20-7/27	334	62	091	Nenana	2	8	1-21	S,L,A	Y6b41sbfw99	Y6b41sbfw99asl	Y6b41sbfw99asl		122	X	X	X
1999	7/5-8/25	334	20	071	Andreafsky, East Fork	3	19	12420	S,L,A	Aef41wr99	Aef41wr99asl	Aef41wr99asl		357	X	X	X
1999	7/9-8/5	334	40	201	Gisasa	3	19	1-64	S,L,A	Gis41wr99	Gis41wr99asl	Gis41wr99asl		509	X	X	X
1999	7/18-7/23	334	46	065	Nulato	3	2	1-4	S,L,A	Nul41bs99				4	X	X	X
1999	7/8-7/20	334	47	064	Anvik	3	2	1-4	S,L,A	Avk41bs99	Avk41bs99asl	Avk41bs99asl		3	X	X	X
1999	8/2	334	47	064	Anvik	4	12	1 - 40	S,L,A	Avk41cs99	Avk41cs99asl	Avk41cs99asl		343		X	X
1999	8/13-8/19	334	60	066	Chena	4	12	1 - 29	S,L,A	Che41cr99	Che41ces99asl	Che41ces99asl		177	X	X	X
1999	7/20-7/28	334	60	066	Chena	4	12	1-17	S,A	Che41es99	Che41ces99asl	Che41ces99asl		141	X	X	X
1999	8/7-8/8	334	60	067	Salcha	4	12	1 - 36	S,L,A	Sal41cr99asl	Sal41cr99asl	Sal41cr99asl		307	X	X	
1999	8/17-8/18	334	63	209	Chatanika	4	12	1-2	S,L,A	Cht41cr99	Cht41cr99asl	Cht41cr99asl		21	X	X	X
1999	6/6-7/15	334	10	057	Big Eddy	5	4	1 - 68	S,L,A	Be841sg99	Be841sg99as	BeMmt841sg99l		510	X	X	X

(continued)

Appendix Table 1.C6. Yukon Area chinook salmon ASL data inventory, 1960-2000. (page 2 of 13)

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [ab] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1999	6/13-7/15	334	15	059	Middle Mouth	5	4	1 - 61	S,L,A	Mm841sg99	Mm841sg99as	BeMmt841sg99l		433	X	X	X
1999	6/21-7/15	334	20	73	Marshall	5	3	1-36	S,L,A	Mat41dgn99	Mat41dgn99asl	Mat41dgn99asl		271	X	X	X
1999	6/9-9/11	334		081	Pilot Station Sonar	5		1 - 94	S,L,A	Pst41sg99	Pst41sg99as					X	X
1999	7/18-8/25	334		325	Sheep Rock	5	8	1 - 46	S,L,A	Shr41fw99asl	Shr41fw99asl	Shr41fw99asl		332	X		X
1999	7/15-8/30	334		328	White Rock	5	8	1 - 46	S,L,A	Whr41fw99asl	Whr41fw99asl	Whr41fw99asl		320	X		X
1998	6/16 - 7/8	334	10	080	Emmonak	1	4	1-140	S,L,A	Y141ucm98	y141combunr&r98as	y141combunr&r98l		1,235	X	X	X
1998	7/2	334	10	080	Emmonak	1	4	1-9	S,L,A	Y141rcm98	y141combunr&r98as	y141combunr&r98l		76	X	X	X
1998	6/27 - 7/8	334	20	061	St. Marys	1	4	1-80, 201-240	S,L,A	Y241ucm98	Y241ucm98as	Y241ucm98l		1,063	X	X	X
1998	7/9-7/16	334	42	086	Galena	1	4	1 - 18	S,L,A	Y441sbfw98	y441sbfw98asl	y441sbfw98asl		159	X	X	X
1998	7/24	334	52	092	Tanana Village	1	8	1 - 7	S,L,A	Y5b41fw98	Y5b41fw98.Whal			62	X	X	X
1998	7/24	334	53	102	Haul Road Bridge	1	8	1-2	S,L,A	Y5c41fw98	Y5c41fw98.Whal	y5C51sg9as		14	X	X	X
1998	7/24	334	53	102	Haul Road Bridge	1	4	1-7	S,L,A	Y5c41sg98	Y5c41fw98.Whal			51	X	X	X
1998	7/18	334	62	091	Nenana	1	8	8-25	S,L,A	Y6b41fw98	Y6b41fw98.Whal			149	X	X	X
1998	7/18	334	63	090	Umphenus, Fairbanks	1	8	1-7	S,L,A	Y6c41fw98	Y6c41fw98.Whal			59	X	X	X
1998	7/13-8/12	334		069	Dawson	1	3	488-520	S,L,A	Daw41dg98	Daw41cb98as	Daw41dg98l		413	X		X
1998	8/11-8/12	334		069	Dawson	1	3	521-535	S,L,A	Daw41hp98	Daw41cb98as			143	X		X
1998	7/3-7/17	334	40	087	Kaltag	2	3	1-16	S,L,A	~~MSGING~~				137	X	X	X
1998	7/1-7/10	334	43	095	Ruby	2	8	1 -16	S,L,A	Y441sbfw98	Y441sbfw98.Whal			119	X	X	X
1998	7/3-8/6	334	20	071	Andreafsky, East Fork	3	19	1-23	S,L,A	Aef41wr98	Aef41wr98asl	Aef41wr98asl		370	X	X	X
1998	6/11-8/9	334	20	081	Pilot Station Test	3	4	1-112	S,L,A	Pst41sgData98	Pst41sg98mesh	Pst41sg98mesh		506	X	X	X
1998	7/1-7/22	334	40	201	Gisasa	3	19	1-48	S,L,A	Gis41wr98	Gis41wr98asl	Gis41wr98asl		352	X	X	X
1998	7/17-8/13	334	47	064	Anvik	3	12	1-46	S,L,A	Avk41cr98		Avk41cr98l		327	X	X	X
1998	7/8-7/23	334	46	065	Nulato	4	2	1-7	S,L,A	Nul41bs98		Nul41bs98l		16	X	X	X
1998	8/4-8/13	334	60	066	Chena	4	12	1-37	S,L,A	Che41cr98	Che41cr98asl			169	X	X	X
1998	8/4-8/11	334	60	067	Salcha	4	12	1-17	S,L,A	Sal41cr98		Sal41cr98l		123	X	X	X
1998	8/4-8/11	334	63	209	Chatanika	4	12	1-6	S,L,A	Cht41cr98	Cht41cr98asl			50	X	X	X
1998	6/1-7/15	334	10	057	Big Eddy	5	4	1 - 75	S,L,A	Be841sg98	Be841sg98as			445	X	X	X
1998	6/3-7/9	334	15	059	Middle Mouth	5	4	1-78	S,L,A	Mm841sg98	Mm841sg98as			482	X	X	X
1998	6/30-8/20	334		325	Sheep Rock	5	8	104-148	S,L,A	Shr41fw98	Shr41fw98as	ShWhR41fw98l		321	X		X
1998	6/27-8/16	334		328	White Rock	5	8	251-304	S,L,A	Whr41fw98	Whr41fw98as	ShWhR41fw98l		424	X		X
1997	6/12 -6/27	334	10	080	Emmonak	1	3	1 - 220	S,L,A	y1c8sk97	Y1c8sk97as		1,881		X	X	X
1997	6/28 - 6/30	334	10	080	Emmonak	1	3	221 - 236	S,L,A	y1c6sk97	y1c6sk97as		147		X	X	X
1997	6/16 - 6/26	334	20	061	St. Marys	1	3	1 - 136	S,L,A	Y2c8sk97	Y2c8sk97as		1,264	373	X	X	
1997	7/3 - 7/18	334	42	086	Galena	1	4	1 - 4	S,A	Y4gnsk97	Y4cgsk97as		174	32	X	X	
1997	7/3 - 7/8	334	42	086	Galena	1	8	1 - 4	S,A	Y4gfsk97	Y4gfsk97as		27	27	X	X	
1997	7/7 - 7/15	334	42	086	Galena	1	4	1 - 19	S,A	Y4snsk97	Y4snsk97as		32	174	X	X	
1997	6/30 - 7/7	334	43	095	Ruby	1	8	1 -34	S,L,A	Y4crfk97	Y4crfk97as		296	296	X	X	
1997	7/5	334	52	092	Tanana Village	1	4	1 - 3	S,L,A	Y5ctgk97	Y5ctgk97as		27	27	X	X	
1997	7/5	334	52	092	Tanana Village	1	8	1 - 12	S,L,A	Y5ctfk97	Y5ctfk97as		96	96	X	X	
1997	7/9	334	53	102	Haul Road Bridge	1	8	1 - 13	S,L,A	Y5cpfk97	Y5cpfk97as		102	102	X	X	
1997	7/5	334	53	102	Haul Road Bridge	1	4	1 - 16	S,L,A	Y5chgk97	Y5chgk97as		118	118	X	X	
1997	7/12 - 7/26	334	62	091	Nenana	1	8	1 - 20	S,L,A	Y6bnfk97	Y6bnfk97as		158	158	X	X	
1997	7/13-7/16	334		069	Dawson	1	3	68875-68888		~~MSGING~~				360			
1997	7/20-7/25	334		069	Dawson	1	3	72478-72487		~~MSGING~~				329			
1997	7/28-8/7	334		069	Dawson	1	3	37201-37233		~~MSGING~~				496			
1997	6/23 - 9/8	334	20	071	Andreafsky, East Fork	3	19	1A - 38A	S,L,A	Aefwek97	Aefwek97as	Aefwek97l	410	410	X	X	X
1997	6/29 - 7/27	334	40	201	Gisasa	3	19	1 - 73	S,L,A	Grwesk97	Grwesk97as	Grwesk97l	497	497	X	X	
1997	7/9	334	40	065	Nulato	3	2	1	S,L,A	~~MSGING~~				1	X	X	
1997	7/19 - 8/12	334		208	Koyukuk, South Fork	3	19	1 - 35	S,L,A	Krewkt97	Krewkt97as	Krewkt97l	207	207	X	X	
1997	7/6 - 8/13	334	47	064	Anvik	4	2	1 - 40	S,L,A	Arcssk97	Arcssk97as	Arcssk97l	304	304	X	X	
1997	7/31 - 8/7	334	60	066	Chena	4	12	1 - 92	S,L,A	Crhpek97	Crhpek97as	Crhpek97l	702	702	X		X
1997	7/10-8/8	334	63	209	Chatanika	4	12	1-33	S,L,A	Crhpck97	Crhpck97as	Crhpck97l	274	274	X		
1997	8/12 - 8/14	334	63	067	Salcha	4	12	1 - 23	S,L,A	Srhpek97	Srhpek97as	Srhpek97l	180	180	X		X
1997	5/29 - 6/10	334	10	057	Big Eddy	5	4	1 - 28	S,L,A	Bet8sk97	Bet8sk97as		198	198	X	X	
1997	6/3 - 6/10	334	15	059	Middle Mouth	5	4	1 - 22	S,L,A	Mm8sk97	Mm8sk97as		141	141	X	X	
1997	7/3-9/1	334	50	325	Sheep Rock	5	8	1 - 125	S,L,A	Ytsrkf97	Ytsrkf97as		924	924	X		X
1997	6/29-9/9	334	50	328	White Rock	5	8	1 - 70	S,L,A	Ytwrkf97	Ytwrkf97as		714	714	X		X
1996	6/11-6/27	334	10	080	Emmonak	1	3	1 - 223	S,L,A	Y1c8sk96	Y1c8sk96as/Y1cstk96as		2,093		X		
1996	6/9-7/1	334	20	063	St. Marys	1	3	1 - 240	S,L,A	Y2c8sk96			2,233		X		
1996	7/5	334	42	086	Galena	1	4	1 - 2	S,L,A	Y4cgsk96	Y4cgsk96as		18	18	X		
1996	6/27-7/1	334	52	101	Rampart Rapids	1	8	1-11	S,L,A	Y5rwks96	Y5rwks96as		85	102	X		
1996	7/2	334	53	102	Haul Road Bridge	1	4	1 - 9	S,L,A	Y5hrbk96	Y5hrbk96as		75	75	X		
1996	7/13 - 7/20	334	62	091	Nenana	1	8	1 - 16	S,L,A	Y6nwks96	Y6nwks96as		87	87	X		
1996	7/1-8/8	334		070	Whitehorse, Y.T.	1		1-165	A	Ytcakc96	Ytcakc96		1,357	1,357	X		
1996	6/30-9/6	334	20	071	Andreafsky, East Fork	3	19	1A - 59A	S,L,A	Aefwek96	Aefwek96as		340	381	X		
1996	8/7-8/17	334	20	071	Andreafsky, East Fork	3	19	1-5	S,L,A	Aefwck96	Aefwck98as		39	42	X		
1996	7/9	334	46	065	Nulato	3	2	1	S,L,A	Ntbssk98	Ntbssk98				X		
1996	7/3-7/23	334	40	201	Gisasa	3	19	1 - 46	S,L,A	Grwesk96	Grwesk96as		339	407	X		
1996	7/10-7/25	334	42	208	Koyukuk, South Fork	3	19	1 - 20	S,L,A	Krewkt96	Krewkt96as		139	152	X		
1996	7/27 - 8/18	334	47	064	Anvik	4	20	1 - 44	S,L,A	Arcssk96	Arcssk96as		262	329	X		
1996	7/30-8/5	334	63	001	Chataniga	4	12	1-13	S,L,A	Crhpck96	Crhpck96as		81	108	X		
1996	8/2-8/8	334	63	066	Chena	4	12	1 - 63	S,L,A	Chhpek96	Chhpek96as		515	614	X		
1996	8/5-8/8	334	63	067	Salcha	4	12	1 - 52	S,L,A	Srhpek96	Srhpek96as		412	482	X		
1996	6/1-6/8	334	10	057	Big Eddy	5	4	1 - 8	S,L,A	Bet5sk96	Bet5sk96as		43	47	X		

(continued)

Appendix Table 1.C6. Yukon Area chinook salmon ASL data inventory, 1960-2000. (page 3 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [ab] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1996	5/29-6/9	334	10	057	Big Eddy	5	4	1-32	S,L,A	Bet8sk96	Bet8sk96as		256	282	X		
1996	6/2 - 6/6	334	15	059	Middle Mouth	5	4	1-12	S,L,A	Mmt5sk96	Mmt5sk96as		86	95	X		
1996	6/2 - 6/7	334	15	059	Middle Mouth	5	4	1-14	S,L,A	Mmt8sk96	Mmt8sk96as		105	111	X		
1996	6/25-8/30	334		325	Sheep Rock	5	8	1 - 83	A	Ytsrkf96	Ytsrkf96/Ytstr96		542	542	X		
1996	7/1-8/30	334		328	White Rock	5	8	1 - 35	A	Ytwrkf96	Ytwrkf96/Ytstwr96		252	252	X		
1996	6/30 - 7/7	334	43	095	Ruby		8	1 -34	S,L,A	~~MISSING~~					X		
1996	7/5	334	52	092	Tanana Village		4	1 - 3	S,L,A	~~MISSING~~					X		
1996	7/5	334	52	092	Tanana Village		8	1 - 12	S,L,A	~~MISSING~~					X		
1995	6/13 - 6/27	334	10	80	Emmonak	1	3	1 - 200	S,L,A	Y1urkg95	Y1urkg95as, Y1pdkg95as	Y1urkg95l	2,000	1,894	X		
1995	6/28 - 7/7	334	10	80	Emmonak	1	3	1 - 37	S,L,A	Y1rkg95	Y1rkg95as, Y1pdkg95as	Y1rkg95l	348	328	X		
1995	6/12 - 6/22	334	20	61	St. Marys	1	3	1 - 157	S,L,A	Y2urkg95	Y2urkg95as, Y2pdkg95as	Y2urkg95l	1,600	1,503	X		
1995	6/21	334	20	61	St. Marys	1	3	1 - 17	S,L,A	Y2rkg95	Y2rkg95as, Y2pdkg95as	Y2rkg95l	200	192	X		
1995	6/29 - 7/3	334	42	086	Galena/Bishop Rock?	1	4	1 - 8	S,L,A	4bcgkg95	4bcgkg95as			69	X		
1995	7/10 - 7/12	334	44	083	Anvik	1	8	1 - 2	S,L,A	Avcfkg95	Avcfkg95as			2	X		
1995	6/28 - 7/13	334	44	083	Anvik	1	4	1 - 4	S,L,A	Avcskg95	Avcskg95as			7	X		
1995	6/28 - 7/6	334	45	084	Grayling	1	8	1 - 2	S,L,A	Grcfkg95	Grcfkg95			1	X		
1995	7/2 - 7/9	334	52	101	Rampart Rapids	1	8	1 - 16	S,L,A	5bcwkg95	5bcwkg95as			133	X		
1995	7/2 - 7/9	334	52	101	Rampart Rapids	1	4	1 - 18	S,L,A	5bcgkg95	5bcgkg95as			148	X		
1995	7/15 - 7/25	334	62	091	Nenana	1	8	1 - 18	S,L,A	6bcwkg95	6bcwkg95as			149	X		
1995		334			Yukon R (60 mile)	1		1 - 5		~~MISSING~~							X
1995		334			Yukon R (Canada)	1		1 - 133		~~MISSING~~							X
1995	6/22 - 6/30	334	43	095	Ruby	2	8	1 - 4	S,L,A	4cswkg95	4cswkg95as			40	X		
1995	6/25	334	44	083	Anvik	2	4	1	S,L,A	Avsskg95	Avsskg95as			1	X		
1995	6/27	334	45	084	Grayling	2	3	1	S,L,A	Grsdkg95	Grsdkg95as			6	X		
1995	7/2 - 7/27	334	20	071	Andreafsky, East Fork	3	19	1 - 46	S,L,A	Anwrkg95				343	X		
1995	8/4 - 8/18	334	20	063	Andreafsky, West Fork	3	19	47 - 50	S,L,A	Anwrkg95					X		
1995	6/29 - 8/1	334	40	201	Gisasa	3	19	1 - 42	S,L,A	Gswrkg95	Gswrkg95as			346	X		
1995	7/6 - 7/13	334	46	065	Nulato	3	2	1 - 4	S,L,A	Nudykg95	Nudykg95as		7	7	X		
1995	7/30 - 8/11	334	40	064	Anvik R	4	12	1 - 47	S,L,A	Avcrkg95	Avcrkg95as			404	X		
1995	8/8 - 8/14	334	60	066	Chena	4	12	1 - 92	S,L,A	Chcrkg95	Chcrkg95as			791	X		
1995	8/1 - 8/16	334	60	067	Salcha	4	12	1 - 66	S,L,A	Slcrkg95	Slcrkg95as			545	X		
1995	8/8 - 8/10	334	62	209	Chatanika	4	12	1 - 5	S,L,A	Ctcrkg95	Ctcrkg95as			59	X		
1995	5/29 - 6/22	334	10	057	Big Eddy	5	4	1 - 37	S,L,A	Bes8kg95	Bes8kg95as	Bes8kg95l		269	X		
1995	6/10 - 6/20	334	10	057	Big Eddy	5	4	1 - 3	S,L,A	Bes5kg95	Bes5kg95as	Bes5kg95l		11	X		
1995	6/1 - 6/21	334	15	059	Middle Mouth	5	4	1 - 27	S,L,A	Mms8kg95	Mms8kg95as	Mms8kg95l		177	X		
1995	6/3 - 6/7	334	15	059	Middle Mouth	5	4	1 - 12	S,L,A	Mms5kg95	Mms5kg95as	Mms5kg95l		77	X		
1994	6/14 - 6/28	334	10	080	Emmonak	1	3	1 - 160	S,L,A	Y1c8kg94	App_d01,2,3	Table_04			X	X	X
1994	7/5	334	10	080	Emmonak	1	3	1 - 12	S,L,A	Y1c5kg94	App_d01	Table_04			X	X	X
1994	6/16 - 7/4	334	20	061	St Marys	1	3	1 - 160	S,L,A	Y2c8kg94	App_d05	Table_04			X	X	X
1994	6/23 - 7/5	334	42	086	Dainty Island/Galena	1	4	1 - 9	S,L,A	Y4bcgk94	App_d09	Table_04			X	X	X
1994	7/8	334	44	083	Anvik Bluff	1	4	1	S,L,A	Y4asgk94	App_d09	Table_04		2			
1994	6/22 - 7/10	334	43	095	Ruby	1	8	1 - 37	S,L,A	Y4CCFK94		Table_04			X	X	X
1994	7/6	334	52	101	Rampart Rapids	1	8	1 - 4	S,L,A	Y5bcfk94	App_d10	Table_04		151	X	X	X
1994	7/6-7/9	334	53	093	Rampart	1	4	1-17	S,L,A	Y5ccgk94	App_d10	Table_04		136	X	X	
1994	7/6 - 7/9	334	53	093	Rampart	1	8	1 - 16	S,L,A	Y5ccfk94	App_d10	Table_04			X	X	X
1994	7/12 - 7/23	334	62	091	Nenana	1	8	1 - 17	S,L,A	Y6BCFK94	App_d11	Table_04			X	X	X
1994	6/27-6/28	334	42	086	Dainty Island/Galena	1	8	1-2	S,L,A	Y4BCFK94			6	6			
1994	7/12-7-19	334	62	091	Nenana	2	8	1 - 17	S,L,A	Y6fwkg94					X		
1994	6/28	334	44	083	Anvik Bluff	2	4	1	S,L,A	4Asgkg94				6	X	X	X
1994	6/28	334	46	085	Nulato	2	3	1 - 9	S,L,A	Y4gnkg94	App_d09				X	X	X
1994	7/19	334	62	091	Nenana	2	8	1 - 4	S,L,A	Y6BSFK94	App_d11	Table_04		35	X	X	X
1994	7/4 - 7/28	334	20	071	Andreafsky, East Fork	3	19	1 - 54	S,L,A	Efadkg94				440	X	X	X
1994	6/27 - 7/18	334	46	065	Nulato	3	2	1 - 5	S,L,A	Nultkg94				9	X	X	X
1994	7/28 - 8/7	334	40	064	Anvik R	4	12	1 - 47	S,L,A	Anvkkg94				405	X	X	X
1994	8/3 - 8/5	334	63	066	Chena	4	12	1 - 61	S,L,A	Chenkg94				512	X	X	X
1994	8/3-8/4	334	63	067	Salcha	4	12	1 - 65	S,L,A	Salckg94	App_d11			524	X	X	X
1994	5/30 - 7/15	334	10	057	Big Eddy	5	4	1 - 80	S,L,A	Bes8kg94	App_d13				X	X	X
1994	5/30 - 6/13	334	10	057	Big Eddy	5	4	1 - 15	S,L,A	Bes5kg94	App_d13				X	X	X
1994	6/5 - 6/13	334	10	059	Middle Mouth	5	4	1 - 13	S,L,A	Mms5kg94	App_d13				X	X	X
1994	6/2 - 6/15	334	15	059	Middle Mouth	5	4	1 - 17	S,L,A	Mms8kg94	App_d13				X	X	X
1994	7/5 - 9/7	334	50	325	Sheep Rock	5	8	45318 - 45430	A	Srfwkg94	App_d11					X	X
1994	7/1 - 8/13	334	50	328	White Rock	5	8	45352 - 45497		Wrfwkg94	App_d11					X	X
1994	5/21 - 10/10	334			McClintock R		*	44794 - 54138		~~MISSING~~							X
1994	5/21 - 9/18	334			Michie Creek		*	47333 - 56280		~~MISSING~~							X
1994	5/20 - 5/31	334			Whitehorse Hatchery		*	44790 - 54139		~~MISSING~~							X
1993	6/15 - 7/2	334	10	080	Emmonak	1	3	1 - 200	S,L,A	Y1king93	Y1king93as				X	X	X
1993	6/17 - 7/1	334	20	061	St. Marys	1	3	1 - 151	S,L,A	Y2king93	Y2king93as			1,868	X	X	X
1993	6/28 - 7/15	334	42	086	Galena	1	8	1 - 17	S,L,A	Y4bcfw93	Y4bcfw93as			87	X	X	X
1993	7/5	334	42	086	Bishop Rock	1	4	1	S,L,A	Y4bcgn93	Y4bcgn93as			8	X	X	X
1993	7/1 - 7/5	334	43	086	Galena	1	4	1 - 14	S,L,A	Y4ccgn93	Y4ccgn93as			85	X	X	X
1993	6/27 - 7/5	334	43	095	Ruby	1	8	1 - 23	S,L,A	Y4ccfw93	Yccfw93as			185	X	X	X
1993	7/4	334	52	092	Tanana	1	4	1 - 8	S,L,A	Y5bcgn93	Y5bcgn93as			61	X	X	X
1993	7/7 - 7/8	334	53	093	Rampart	1	8	1 - 8	S,L,A	Y5ccfw93	Y5ccfw93as			58	X	X	X
1993	7/3 - 7/8	334	53	093	Rampart	1	4	1 - 24	S,L,A	Y5ccgn93	Y5ccgn93as			188	X	X	X

(continued)

Appendix Table 1.C6. Yukon Area chinook salmon ASL data inventory, 1960-2000. (page 4 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [ab] Raw	Electronic Data [ab] Age Comp. Summary	Electronic Data [ab] Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1993	7/13 - 7/20	334	62	091	Nenana	1	8	1 - 14	S,L,A	Y6bcfw93	Y6bcfw93as			110	X	X	X
1993	7/10 - 8/3	334	62	091	Nenana	2	8	1 - 16	S,L,A	Y6bsfw93	Y6bsfw93as			122	X	X	X
1993	7/30 - 8/10	334	40	064	Anvik R	4	12	1 - 41	S,L,A	Anvkkg93	Anvikc93as	Table_05,6		340	X	X	X
1993	8/9 - 8/11	334	63	066	Chena	4	12	1 - 25	S,L,A	Chenkg93		Table_05,6			X	X	X
1993	8/3 - 8/5	334	63	067	Salcha	4	12	1 - 60	S,L,A	Salckg93	App_d10	Table_05,6			X	X	X
1993	8/5 - 8/15	334	20	071	Andreafsky, East Fork	4	12	21 - 52	S,L,A	Efadkg93	EFADKG93as, Andrkg93as			183	X	X	X
1993	8/12 - 8/31	334	20	063	Andreafsky, West Fork	4	12	1 - 18	S,L,A	Wfadkg93	WFADKG93as, Andrkg93as	Table_06		192	X	X	X
1993	6/1 - 6/11	334	10	057	Big Eddy	5	3	1-8		Bed8kg93	Bed8kg93as				X	X	X
1993	6/1 - 6/11	334	10	057	Big Eddy	5	3	1 - 3	S,L,A	Bed5kg93	Bemmkg93as				X	X	X
1993	5/28 - 6/14	334	10	057	Big Eddy	5	4	1 - 26	S,L,A	Bes5kg93	Bes5kg93as			169	X	X	X
1993	5/28 - 7/10	334	10	057	Big Eddy	5	4	1 - 42	S,L,A	Bes8kg93	Bes8kg93as			289	X	X	X
1993	6/2 - 7/14	334	15	059	Middle Mouth	5	4	1 - 33	S,L,A	Mms5kg93					X	X	X
1993	7/18 - 7/20	334	15	059	Middle Mouth	5	4	1 - 3	S,L,A	Mms6kg93	Mms6kg93as			184	X	X	X
1993	6/2 - 7/14	334	15	059	Middle Mouth	5	4	1 - 33	S,L,A	Mms8kg93	Mms8kg93as				X	X	X
1993	7/14 - 8/3	334	61	088	Manley	5	8	1 - 7	S,L,A	Y6atfw93				53	X	X	X
1993	6/23 - 9/2	334		325	Sheep Rock	5	8	33365 - 33974	A	Shrkkg93	Shrkkg93as			421	X	X	X
1993	6/24 - 8/26	334	57	328	White Rock	5	8	32851 - 32949	A	Whrkkg93	Whrkkg93as			2	X	X	X
1992	7/21	334	62	091	Nenana	1	8	1 - 20	S,L,A	Y6cfkg92	App_d11	Table_04			X	X	X
1992	7/11	334	52	101	Rampart Rapids	1	8	1 - 7	S,L,A	Y5cfkg92	App_d10	Table_04		185	X	X	X
1992	7/11 - 7/15	334	53	093	Rampart	1	8	1 - 6	S,L,A	Y5cfkg92	App_d10	Table_04		"	X	X	X
1992	7/11 - 7/15	334	53	093	Rampart	1	4	1 - 18	S,L,A	Y5cgkg92	App_d10	Table_04		"	X	X	X
1992	6/27 - 7/9	334	10	080	Emmonak	1	3	1 - 72	S,L,A	Y1c5kg92	App_d01	Table_04		1,985	X	X	X
1992	6/20 - 7/3	334	10	080	Emmonak	1	3	1 - 159	S,L,A	Y1c8kg92	App_d01	Table_04			X	X	X
1992	6/21 - 7/8	334	20	062	Mountain Village	1	3	1 - 141	S,L,A	Y2c8kg92	App_d04,5	Table_04		1,842	X	X	X
1992	7/7 - 7/21	334	42	086	Dainty Island	1	8	1 - 5	S,L,A	Y4cfkg92	App_d09	Table_04		"	X	X	X
1992	7/7 - 7/14	334	43	095	Ruby	1	8	1 - 16	S,L,A	Y4cfkg92	App_d09	Table_04		"	X	X	X
1992	7/12 - 7/16	334	45	084	Blackburn	1	8	1 - 2	S,L,A	Y4cfkg92	App_d09	Table_04		"	X	X	X
1992	7/9	334	46	085	Nulato	1	8	1	S,L,A	Y4cfkg92	App_d09	Table_04		"	X	X	X
1992	7/6 - 7/16	334	44	083	Anvik, mouth	1	4	0 - 5	S,L,A	Y4cnkg92	App_d09	Table_04		"	X	X	X
1992	7/21	334	42	086	Dainty Island	1	4	1 - 2	S,L,A	Y4cgkg92	App_d09	Table_04		"	X	X	X
1992	6/28 - 7/7	334	42	086	Louden Slough	2	4	1 - 5	S,L,A	Y4sgkg92	App_d09	Table_04		"	X	X	X
1992	6/30 - 7/3	334	44	083	Anvik	2	4	1 - 3	S,L,A	Y4sgkg92	App_d09	Table_04		"	X	X	X
1992	7/1	334	46	087	Kaltag	2	3	1	S,L,A	Y4sgkg92	App_d09	Table_04		"	X	X	X
1992	6/28 - 6/30	334	42	086	Dainty Island	2	8	1	S,L,A	Y4sfkg92	App_d09	Table_04	1	"	X	X	X
1992	7/18	334	62	091	Nenana	2	4	1	S,L,A	Y6sgkg92	App_d11	App_d12			X	X	X
1992	7/18 - 8/8	334	62	091	Nenana	2	8	1 - 4	S,L,A	Y6sfkg92	App_d11	Table_04			X	X	X
1992	7/29 - 8/13	334	63	067	Salcha	3	12	1 - 80	S,L,A	Salckg92	Table_05	Table_06		646	X	X	X
1992	7/31 - 8/11	334	10	064	Anvik R	4	12	1 - 42	S,L,A	Anvckg92	Table_05	Table_06		315	X	X	X
1992	8/15	334	20	063	Andreafsky, West Fork	4	12	1 - 4	S,L,A	Wfackg92	Table_05	Table_06		*52	X	X	X
1992	7/29 - 8/13	334	63	067	Salcha	4	15	-1 - 77+	S,L,A	Salekg92					X		
1992	8/5 - 8/21	334	63	067	Salcha	4	14	-1 - 49+	S,L,A	Salesc92					X		
1992	Aug	334	60	068	Goodpaster R	4	12	1 - 11	S,L,A	Goodkg92	Table_05	Table_06		93	X	X	X
1992	7/29 - 8/20	334	63	066	Chena	4	12	1 - 78	S,L,A	Chenkg92	Table_05	Table_06		464	X	X	X
1992	8/15	334	20	071	Andreafsky, East Fork	4	12	21 - 23	S,L,A	Efackg92	Table_05	Table_06		*52	X	X	X
1992	6/15 - 6/20	334	10	057	Big Eddy	5	3	1 - 7	S,L,A	Bed8kg92		App_d12			X	X	X
1992	6/14 - 7/14	334	10	057	Big Eddy	5	4	1 - 44	S,L,A	Bes8kg92		App_d12			X	X	X
1992	6/17 - 6/21	334	10	059	Middle Mouth	5	4	1 - 7	S,L,A	Mms8kg92		App_d12			X	X	X
1992	7/15 - 7/29	334	62	091	Nenana	5	8	1 - 2	S,L,A	Y6tfkg92							
1992	8/8 - 8/26	334		325	Sheep Rock		8	70666 - 70695	A	Shrkkg92					X		X
1992	7/16 - 8/24	334		328	White Rock		8	73301 - 88350	A	Whrkkg92					X		X
1991	7/3	334	10	080	Emmonak	1	3	173 - 174	S,L,A	~~MISSING~~					X	X	X
1991	6/13 - 7/3	334	10	080	Emmonak	1	3	1-172, 185-186	S,L,A	Y1URKG91	Y1urkg91as				X		
1991	6/17 - 7/3	334	20	073	Marshall	1	3	1 - 198	S,L,A	Y2URkg91	Y2urkg91as				X		
1991	7/10 - 7/11	334	40	096	Stevens Village	1	8	1 - 17	S,L,A	Y4cfkg91	Y4CFKG91as	Table_06			X	X	X
1991	6/28	334	42	086	Louden Slough	1	8	1	S,L,A	Y4cskg91	App-d09	Table_06			X	X	X
1991	7/2 - 7/8	334	43	095	Ruby	1	8	1 - 16	S,L,A	Y4cskg91	Y4cskg91as	Table_06			X	X	X
1991	7/3	334	44	083	Anvik Bluff	1	8	1	S,L,A	Y4cskg91	App-d09	Table_06			X	X	X
1991	6/30, 7/9	334	45	084	Grayling	1	8	1 - 2	S,L,A	Y4cskg91	App-d09	Table_06			X	X	X
1991	7/3 - 7/5	334	53	093	Rampart	1	4	1 - 19	S,L,A	Y5cgkg91	Y5cgkg91as	Table_04			X	X	X
1991		334			Y3	1					App_d7						
1991	7/5	334	43	095	Ruby	2	8	1 - 3	S,L,A	Y4cskg91	Y4cskg91as	Table_06			X	X	X
1991	6/24,7/11	334	44	083	Anvik	2	4	1 - 2	S,L,A	Y4cskg91	Y4cskg91as	Table_06			X	X	X
1991	6/25	334	45	084	Grayling	2	4	1	S,L,A	Y4cskg91	Y4cskg91as	Table_06			X	X	X
1991	7/16	334	62	091	Nenana	2	8	1	S,L,A	~~MISSING~~					X	X	X
1991		334			Y1	2					App_d3						
1991		334			Y2	2					App_d6						
1991		334			Y3	2					App-d8						
1991	6/6	334	10	059	Middle Mouth	4	3	1	S,L,A	Mm5dkg91	Mm5dkg91as	App_D13			X	X	X
1991	8/15	334	20	071	Andreafsky, East Fork	4	12	1 - 30	S,L,A	Aefkg91	Ayekg91as, Aytlkg91as	Table_06			X	X	X
1991	8/??	334	20	063	Andreafsky, West Fork	4	12	1 - 19	S,L,A	Awfkg91	Aywkg91, Aytlkg91as	Table_06			X	X	X
1991	8/2 - 8/11	334	44	064	Anvik R	4	12	1 - 45	S,L,A	Anvkg91	Anvkg91as	Table_06			X	X	X
1991	7/13, 8/8	334	62	209	Chatanika	4	12	1 - 2	S,L,A	Chatkg91	Chatkg91	Tablr_06			X	X	X
1991	8/5 - 8/7	334	63	066	Chena	4	12	1 - 43	S,L,A	Chenkg91	Chengkg91	Table_06			X	X	X
1991	8/6	334	63	068	Goodpaster R	4	12	1 - 10	S,L,A	Goodkg91	Goodkg91	Table_06			X	X	X
1991	8/5 - 8/8	334	68	067	Salcha	4	12	1 - 83	S,L,A	Salckg91	Salckg91as	Table_06			X	X	X

(continued)

Appendix Table 1.C6. Yukon Area chinook salmon ASL data inventory, 1960-2000. (page 5 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [ab] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1991	6/5 - 6/12	334	10	057	Big Eddy	5	3	1 - 3	S,L,A	Be8dkg91	Be8dkg91as	App_D13			X	X	X
1991	6/3 - 7/15	334	10	057	Big Eddy	5	4	1- 26	S,L,A	Be8skg91	Be8skg91as	App_D13			X	X	X
1991	6/12	334	10	057	Big Eddy	5	4	1	S,L,A	~~MISSING~~					X	X	X
1991	6/6 - 7/13	334	10	059	Middle Mouth	5	4	1 - 27	S,L,A	Mm8skg91	Mm8skg91as				X	X	X
1991	6/10 - 7/11	334	10	059	Middle Mouth	5	4	1 - 19	S,L,A	Mm5skg91	Mm5skg91as				X	X	X
1991	7/10 - 7/16	334	61	088	Manley	5	8	1 - 4	S,L,A	Y6tskg91	Y6tskg91as				X	X	X
1991	7/2 - 8/27	334	50	328	White Rock		8	72651 - 73171	A	Whrkkg91	Whrkkg91as	Table_06			X		X
1991	7/4 - 7/24	334		325	Sheep Rock		8	72601 - 72650	A	Shrkkg91	Shrkkg91as				X		X
1991	7/24 - 8/20	334		325	Sheep Rock		8	72701 - 72809	A	Shrkkg91	Shrkkg91as				X		X
1991	8/17 - 9/1	334			Whitehorse Hatchery		*	159-195	S,L,A	Whhrkg91	Whhrkg91as						X
1990	June - July	334	10	080	Emmonak	1	4	1 - 135	S,L,A	Y1c8kg90	Y1c8kg90as/App_d01,d02	Table_04			X	X	X
1990	June - July	334	10	080	Emmonak	1	4	1 - 40	S,L,A	Y1c5kg90	Y1c5kg90as/App_d01,d02	Table_04			X	X	X
1990	7/1	334	20	073	Marshall	1	4	96 - 110	S,L,A	Y2c5kg90	Y2c5kg90as/App_d04,d05	Table_04			X	X	X
1990	7/5	334	20	073	Marshall	1	4	1-40,56-95,111-165	S,L,A	Y2c8kg90	Y2c8kg90as/App_d04,d05	Table_04			X	X	X
1990	June - July	334	20	081	Pilot Station	1	4	41 - 55	S,L,A	Y2c5kg90	Y2c5kg90as/App_d04,d05	Table_04			X	X	X
1990	6/29 - 7/13	334	42	086	Heartnet Island	1	8	1 - 17	S,L,A	Y4cwkg90	Y4cwkg90as/App_d09	Table_04			X	X	X
1990	June - July	334	43	086	Besie Slough	1	8	1 - 2	S,L,A	Y4cwkg90	Y4cwkg90as/App_d09	Table_04			X	X	X
1990	7/9 - 7/10	334	43	095	Ruby	1	8	2-7,12	S,L,A	Y4cwkg90	Y4cwkg90as/App_d09	Table_04			X	X	X
1990	June - July	334	45	084	Steamboat Slough	1	8	1	S,L,A	Y4cwkg90	Y4cwkg90as/App_d09	Table_04			X	X	X
1990	June - July	334	46	065	Halfway Island	1	8	1 - 3	S,L,A	Y4cwkg90	Y4cwkg90as/App_d09	Table_04			X	X	X
1990	June - July	334	50	307	Yukon Crossing	1	8	1 - 16	S,L,A	~~MISSING~~					X	X	X
1990	July	334	50	307	Yukon Crossing	1	4		S,L,A	~~MISSING~~					X	X	X
1990	7/1 - 7/6	334	53	307	Haul Road Bridge	1	8	1 - 16	S,L,A	Y5cgkg90	Y5cgkg90as/App_d10, d11	Table_04			X	X	X
1990		334	53	307	Haul Road Bridge	1	8	1 - 17	S,L,A	Y5cwkg90	Y5cwkg90as/App_d10, d11	Table_04					
1990	8/6	334	60	066	Chena	1	12	1 - 66	S,L,A	Chekg90	Chekg90/Table_05	Table_06			X	X	X
1990	July	334	60	091	Nenana	1	8	1 - 22	S,L,A	Y6cwkg90	Y6cwkg90as/App_d12	Table_04			X	X	X
1990		334			Y3	1					App_d7						
1990		334			Y1	2					App_d3						
1990		334			Y2	2					App_d6						
1990		334			Y3	2					App-d8						
1990	7/8 - 8/28	334	50	325	Sheep Rock	3	8		S,L,A	~~MISSING~~		App_d15			X		X
1990	July - Aug	334	50	325	Sheep Rock	3	8	1 - 38	S,L,A	~~MISSING~~		App_d15			X		X
1990	7/8 - 8/3	334	50	328	White Rock	3	8	1 - 15	S,L,A	~~MISSING~~		App_d15			X		X
1990	7/25 - 8/2	334	63	066	Chena	3	13	0	S,L,A	CHEKG90					X		
1990	7/25 - 8/2	334	63	067	Salcha	3	13	0	S,L,A	Salkg90							
1990	8/1 - 8/12	334	20	071	Andreafsky, East Fork	4	12	1 - 36	S,L,A	Ayexkg90	Ayexkg90as/Table_05	Table_06			X	X	X
1990	8/3 - 8/8	334	20	063	Andreafsky, West Fork	4	12	1 - 29	S,L,A	Aywxkg90	Aywxkg90as	Table_06			X	X	X
1990	8/1 - 8/9	334	40	064	Anvik R	4	12	1 - 49	S,L,A	Avxkg90	Avxkg90as/Table_05	Table_06			X	X	X
1990	8/24 - 8/25	334	50	082	Big Salmon	4	12	1 - 16	S,L,A	Bsxlkg90	Bsxlkg90as	Table_06			X	X	X
1990	8/27	334	50	300	Little Salmon	4	12	1 - 13	S,L,A	Lsxkg90	Lsxkg90as/Table_05	Table_06			X	X	X
1990	8/21 - 8/22	334	50	301	Nisutlin	4	12	1 - 16	S,L,A	Nixkg90	Nixkg90as/Table_05	Table_06			X	X	X
1990	8/26	334	50	304	Tatchun	4	12	1 - 15	S,L,A	Taxkg90	Taxkg90as	Table_06			X	X	X
1990	8/26	334	50	306	Nordenskjold	4	12	1 - 2	S,L,A	Noxkg90	Noxkg90as	Table_06			X	X	X
1990	8/28	334	50	308	Takhini	4	12	1 - 2	S,L,A	Tixkg90	Tixkg90as	Table_06			X	X	X
1990	8/29	334	50	311	Morley	4	12	1 - 4	S,L,A	Moxkg90	Moxkg90as/Table_05	Table_06			X	X	X
1990	8/25	334	50	316	McQuesten	4	12	1 - 4	S,L,A	Mqxkg90	Mqxkg90as	Table_06			X	X	X
1990	7/31 - 8/3	334	60	103	Barton Creek	4	12	1 - 5	S,L,A	Baxkg90	Baxkg90as	Table_06			X	X	X
1990	8/7	334	60	068	Goodpastor R	4	12	1 - 10	S,L,A	Gpxkg90	Gpxkg90as	Table_06			X	X	X
1990	8/6 - 8/9	334	60	067	Salcha	4	12	1 - 60	S,L,A	Saxkg90	Saxkg90as/Table_05	Table_06			X	X	X
1990	8/6	334	63	066	Chena	4	12	1 - 66	S,L,A	Chxkg90	Chxkg90				X		
1990	June	334	10	057	Big Eddy	5	3	1 - 5	S,L,A	Bed5kg90	Bed5kg90as	App_d15			X	X	X
1990	June	334	10	057	Big Eddy	5	3	1 - 5	S,L,A	Bed8kg90	Bed8kg90as	App_d15			X	X	X
1990	6/13 - 7/14	334	10	057	Big Eddy	5	4	1 - 21	S,L,W,A	Bet5kg90	Bet5kg90as	App_d15			X	X	X
1990	6/2 - 7/13	334	10	057	Big Eddy	5	4	1 - 31	S,L,A	Bet8kg90	Bet8kg90as	App_d15			X	X	X
1990	6/4 - 7/15	334	10	059	Middle Mouth	5	4	1-24	S,L,A	Mmt8kg90	Mmt8kg90as	App_d15			X	X	X
1990	6/12 - 7/14	334	10	059	Middle Mouth	5	4	1-27	S,L,A	Mmt5kg90	Mmt5kg90as	App_d15			X		
1989	6/14 - 7/14	334	10	080	Emmonak	1	4	1 - 103	S,L,A	Emc5kg89	Y1kg89/App_d1/d2	Table_4			X	X	X
1989	6/14 - 7/14	334	10	080	Emmonak	1	4	1 - 111	S,L,A	Emc8kg89	Y1kg89/App_d1/d2				X	X	X
1989	6/15 - 6/27	334	20	073	Marshall	1	4	1 - 78	S,L,A	Y2c8kg89	Y2kg89/App_d4/d5			1682*	X	X	X
1989	6/15 - 6/27	334	20	061	St Marys	1	4	1 - 30	S,L,A	Y2c5kg89	Y2kg89/App_d4/d5			1682*	X	X	X
1989	7/3 - 7/24	334	40	064	Anvik R	1	8	101 - 114	S,L,A	Y4awkg89	Y4kg89/App_d9	Table_4		104	X	X	X
1989	6/28 - 7/17	334	40	064	Anvik R	1	4	101 - 119	S,L,A	Y4agkg89	Y4kg89/App_d9	Table_4		66	X	X	X
1989	6/29 - 7/27	334	41		District 4	1	8	1-21	S,L,A	Y4cwkg89	Y4kg89/App_d9	Table_4			X	X	X
1989	7/5 - 7/19	334	50		District 5	1	8		S,L,A	Y5kg89	Y5kg89/App_d10	Table_4		135	X	X	X
1989	7/6 - 7/19	334	50	093	Rampart	1	4	1 - 18	S,L,A	Y5kg89	Y5kg89/App_d10	Table_4		132	X	X	X
1989		334			Y3	1					App_d7						
1989		334			Y1	2					App_d3						
1989		334			Y2	2					App_d6						
1989		334			Y3	2					App-d8						
1989		334			Y9 Yukon Territory	2					App_d13						
1989	6/29	334	41	502	District 4	2	4	1	S,L,A	Y4cgkg89					X		
1989	7/26	334	40	214	Tozitna	3	4	1	S,L,A	Tzxkg89	Miscescp	App_d15			X	X	X
1989	Aug	334	20	071	Andreafsky, East Fork	4	12	12 - 20	S,L,A	Ayexkg89	Xkg89age/Table_5	Table_6		227	X	X	X
1989	Aug	334	20	063	Andreafsky, West Fork	4	12	1 - 26	S,L,A	Aywxkg89	Xkg89age	Table_6			X	X	X
1989	Aug	334	20	212	Chulitna R	4	4	1	S,L,A	Ckxkg89	Xkg89age	Table_6			X	X	X
1989	Aug	334	40	064	Anvik R	4	12	1- 46	S,L,A	Avkgx89	Xkg89age/Table_5	Table_6		381	X	X	X

(continued)

Appendix Table 1.C6. Yukon Area chinook salmon ASL data inventory, 1960-2000. (page 6 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [ab] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1989	7/23	334	40	201	Gisasa	4	4	1	S,L,A	Gixkg89	Miscescp	App_d15			X	X	X
1989	8/24	334	50	314	Bear Feed Creek	4	12	1	S,L,A	Bfxkg89	Xkg89age	App_d15			X	X	X
1989	8/24 - 8/25	334	50	082	Big Salmon R	4	12	1 - 20	S,L,A	Bsxkg89	Xkg89age/Table_5	Table_6		176	X	X	X
1989	8/23	334	50	300	Little Salmon R	4	12	1 - 4	S,L,A	Lsxkg89	Table_5	Table_6		50	X	X	X
1989	8/28	334	50	321	Mainstem (Ingersoll)	4	12	1	S,L,A	Msxkg89	Miscescp	App_d15			X	X	X
1989	8/28	334	50	311	Morley	4	12	1 - 5	S,L,A	Moxkg89	Xkg89age/Table_5	Table_6		65	X	X	X
1989	8/20 - 8/23	334	50	301	Nisutlin	4	12	1 - 16	S,L,A	Nixkg89	Table_5	Table_6		129	X	X	X
1989	8/25	334	50	306	Nordenskjold	4	12	1	S,L,A	Noxkg89	Miscescp	App_d15			X	X	X
1989	8/25	334	50	305	Ross R	4	12	1 - 7	S,L,A	Roxkg89	Xkg89age/Table_5	Table_6		58	X	X	X
1989	8/30	334	50	302	Swift R	4	12	1 - 2	S,L,A	Swxkg89	Miscescp	Table_6		16	X	X	X
1989	8/26	334	50	304	Tatchun Creek	4	12	1 - 5	S,L,A	Taxkg89	Miscescp	Table_6		100	X	X	X
1989	4/9	334	50	070	Whitehorse Fishway	4	*	1 - 10		Wfxkg89	App_d16						X
1989	8/27 - 8/28	334	50	310	Wolf R	4	12	1 - 5	S,L,A	Xkg89age	Xkg89age/Table_5	Table_6		49	X	X	X
1989	8/8 - 8/10	334	60	066	Chena	4	12	1 - 34	S,L,A	Chxkg89	Xkg89age/Table_5	Table_6		288	X	X	X
1989	8/11 - 8/13	334	60	067	Salcha	4	12	1 - 33	S,L,A	Saxkg89	Xkg89age/Table_5	Table_6		222	X	X	X
1989	6/7 - 7/5	334	10	057	Big Eddy	5	4	1 - 13	S,L,A	Bet8kg89/Bekg89	Bekg89	App_d14			X	X	X
1989	6/6 - 6/13	334	10	057	Big Eddy	5	3	1 - 7	S,L,A	Bed8kg89		App_d14			X	X	X
1989	6/6 - 7/12	334	10	059	Middle Mouth	5	4	1 - 52	S,L,A	MmT8kg89	Mmkg89	App_d14			X	X	X
1989	July - Aug	334	50	239	Moose Rock	5	8	1 -3	S,L,A	Ctmwkg89/Ctswkg89	App_d12				X		X
1989	July - Aug	334	50	325	Sheep Rock	5	8	1 - 75	S,L,A	Ctmwkg89/Ctswkg89	App_d12				X		X
1989	July - Aug	334	50	328	White Rock	5	8	1 - 33	S,L,A	Ctmwkg89/Ctswkg89	App_d12				X		X
1989	7/15 - 8/13	334	62	091	Nenana	1,2	8	1 - 42	S,L,A	Y6wkg89	Y6wkg89/App_d11	Table_4			X	X	X
1989	6/15 - 6/27	334	20	081	Pilot Station	1,3	4		S,L,A	~~MISSING~~					X	X	X
1989		334	50	301	Nisutlin	smolt		101 - 108		~~MISSING~~							
1988	6/10 - 7/15	334	10	080	Emmonak	1	4	1 - 220	S,L,A	Emgkg88/Y1kg88	App_d01/App_d02	Tab_04				X	X
1988	6/13	334	20	073	Marshall	1	4	1 - 40	S,L,A	Y2gkg88	App_05/Appda	Tab_04				X	X
1988	6/16 - 6/24	334	20	073	Marshall	1	4	41 - 155	S,L,A	Y2gkg88		Tab_04				X	X
1988	6/19 - 6/22	334	20	073	Marshall	1	4	1 - 80	S,L,A	Y2input			801	664	X		
1988	6/25	334	20	061	St. Mary's	1	4	80 - 95	S,L,A	Y2input			159	139	X		
1988	6/30 - 7/12	334	40	086	Galena	1	4,8	*1 - 27	S,L,A	Y4-all	App_d09/Appdb	Tab_04				X	X
1988	6/14	334	50	327	Dawson	1	4	1 - 47	S,L,A	Dagkg88	App_d12/Appdb					X	X
1988	8/29	334	50	239	Moose Rock	1	8	1	S,L,A	~~MISSING~~	App_d12/Appdb					X	X
1988	6/29 - 7/27	334	50	093	Rampart	1	8	1 - 64	S,L,A	Y5wkg88	App_d10/Appdb	Tab_04	641	555	X	X	X
1988	8/13 - 8/14	334	50	235	Sheep Rock	1	8	1 - 14	S,L,A	~~MISSING~~	App_d12/Appdb					X	X
1988	8/29	334	50	238	White Rock	1	8	1 - 26	S,L,A	~~MISSING~~	App_d12/Appdb					X	X
1988		334			Y3	1					App_d078						
1988		334			Y1	2					App_d03						
1988		334			Y2	2					App_d06						
1988		334			Y9	2					App_d13						
1988	7/10 - 7/12	334	62	091	Nenana	2	4	1-2	S,L,A	Y68kg88			10	9	X		
1988	7/10 - 8/3	334	62	091	Nenana	2	8	1 - 37	S,L,A	Y6wkg88	App_d11/Appdb	Tab_04	319	290	X		
1988	8/2 - 8/17	334	20	071,084	Andreafsky	4	12	1 - 46	S,L,A	Andkg88	Tab_05	Tab_06				X	X
1988	8/2 - 8/17	334	20	071,084	Andreafsky	4	2	1 - 7	S,L,A	Aybkg88	Tab_05	Tab_06				X	X
1988	8/4 - 8/17	334	40	064	Anvik R	4	12	1 - 32	S,L,A	Anvkg88	Tab_05	Xavl/Tab_06				X	X
1988		334	40	064	Anvik R	4	2	1	S,L,A	Avbkg88	Tab_05	Tab_06					
1988	8/2 - 8/6	334	40	201	Gisasa	4	12	1 - 21	S,L,A	Giskg88	Tab_05	Xgil/Tab_06				X	X
1988	8/9	334	40	207,208	Jim,Koyukuk	4	12	1 - 3	S,L,A	Jkxkg88	Tab_05	Tab_06				X	X
1988	7/26 - 7/29	334	40	065	Nulato	4	12	1 - 8, 1	S,L,A	Nulkg88	Tab_05	Xnul/Tab_06				X	X
1988	8/26 - 8/28	334	50	082	Big Salmon R	4	12	1 - 13	S,L,A	Bsrkg88	Tab_05	Tab_06				X	X
1988	8/22 - 8/24	334	50	300	Little Salmon R	4	12	1 - 23	S,L,A	Lsrkg88	Tab_05	Tab_06				X	X
1988	8/31	334	50	321	Minto/Ingersoll	4	12	1 - 5	S,L,A	Msxkg88	Tab_05	Tab_06				X	X
1988	8/27	334	50	301	Nisutlin	4	12	1 - 3	S,L,A	Niskg88	Tab_05	Tab_06				X	X
1988	8/23 - 8/24	334	50	305	Ross R	4	12	1 - 14	S,L,A	Roskg88	Tab_05	Tab_06				X	X
1988	9/2	334	50	308	Takhini R	4	12	1 - 9	S,L,A	Takkg88	Tab_05	Tab_06				X	X
1988	8/30	334	50	304	Tatchun Creek	4	12	1 - 7	S,L,A	Talkg88	Tab_05	Tab_06				X	X
1988	8/30	334	50	307	Yukon Crossing	4	12	1 - 3	S,L,A	Msxkg88	Tab_05	Tab_06				X	X
1988	7/29 - 8/12	334	60	066	Chena	4	12	1 - 52	S,L,A	Chekg88	Tab_05	Tab_06				X	X
1988	7/30 -	334	60	067	Salcha	4	12	1 - 55	S,L,A	Sa/Salkg88	Tab_05	Xsal/Tab_06				X	X
1988	5/28 - 6/14	334	10	057	Big Eddy	5	4	1 - 23	S,L,A	Be5kg88/Y1tfkg88		App_d14				X	X
1988	5/27 - 6/14	334	10	057	Big Eddy	5	4	1 - 34	S,L,A	Be88ks8						X	X
1988	6/5 - 7/6	334	10	057	Big Eddy	5	3	1 - 10	S,L,A	Be88kd8						X	X
1988	6/6 - 6/12	334	10	059	Middle Mouth	5	4	1 - 6	S,L,A	Mmgkg88						X	X
1988	6/1 - 7/4	334	10	059	Middle Mouth	5	4	1 - 15	S,L,A	~~MISSING~~						X	X
1988	6/29 - 7/27	334	50	102	Haul Road Bridge	1,2	4	1 - 68	S,L,A	Y58kg88	App_d10/Appdb	Tab_04				X	X
1988	8/10 - 8/11	334	42	095	Ruby, North Bank		8	1 - 2		~~MISSING~~	App_d09						X
1987	6/16	334	10	080	Emmonak	1	4	1 - 41	S,L	~~MISSING~~	Appdjaw	Tab05	376		X	X	X
1987	6/19	334	10	080	Emmonak	1	4	42 - 82	S,L	~~MISSING~~	Appdjaw	Tab05	360		X	X	X
1987	6/23	334	10	080	Emmonak	1	4	83 - 123	S,L	~~MISSING~~	Appdjaw	Tab05	351		X	X	X
1987	6/26	334	10	080	Emmonak	1	4	124 - 164	S,L	~~MISSING~~	Appdjaw	Tab05	360		X	X	X
1987	6/30	334	10	080	Emmonak	1	4	1 - 41	S,L	~~MISSING~~		Tab05	359		X	X	X
1987	7/3	334	10	080	Emmonak	1	4	42 - 62	S,L	~~MISSING~~		Tab05	165		X	X	X
1987	7/10	334	10	080	Emmonak	1	4	63 - 70	S,L	~~MISSING~~		Tab05	63		X	X	X
1987	6/18	334	20	073	Marshall	1	4	1 - 40	S,L	~~MISSING~~	Appc3jaw	Tab05	363		X	X	X
1987	6/22	334	20	073	Marshall	1	4	41 - 80	S,L	~~MISSING~~	Appc3jaw	Tab05	353		X	X	X
1987	6/25	334	20	073	Marshall	1	4	81 - 120	S,L	~~MISSING~~	Appc3jaw	Tab05	362		X	X	X
1987	6/29	334	20	073	Marshall	1	4	121 - 160	S,L	~~MISSING~~	Appc3jaw	Tab05	379		X	X	X

(continued)

Appendix Table 1.C6. Yukon Area chinook salmon ASL data inventory, 1960-2000. (page 7 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [ab] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1987	7/2	334	20	073	Marshall	1	4	1 - 19	S,L	MISSING	Appc3jaw	Tab05	172		X	X	X
1987	7/6 - 7/27	334	42	086	Bishop Rock	1	4	1-8,11-20,30-35	S,L	MISSING	Appc6	Tab05	193		X	X	X
1987	8/10 - 9/13	334	42	095	Ruby, North Bank	1	8		S,L,A	MISSING		Tab05	1,400			X	X
1987	7/14	334	42	095	Ruby, North Bank	1	8	25 - 26	S,L	MISSING	Appc6	Tab05	19		X	X	X
1987	7/14	334	43	095	Ruby, South Bank	1	8	1 - 9	S,L	MISSING	Appc6		74		X	X	X
1987	7/21 - 8/6	334	50	069	Dawson	1	4	1 - 31	S,L	MISSING	Appc13		246		X		X
1987	7/9	334	50	102	Haul Road Bridge	1	4	1	S,L	MISSING	Appc7	Tab05	3		X	X	X
1987	7/9	334	50	102	Haul Road Bridge	1	8	1	S,L	MISSING	Appc8	Tab05	2		X	X	X
1987	7/17 - 8/13	334	50	339	Moose Rock	1	8	1 - 5	S,L	MISSING	Appc9		119		X		X
1987	7/8 - 7/11	334	50	101	Rampart Rapids	1	4	1 - 31	S,L	MISSING	Appc7	Tab05	250		X	X	X
1987	7/8 - 7/11	334	50	101	Rampart Rapids	1	8	1 - 22	S,L	MISSING	Appc8	Tab05	185		X	X	X
1987	6/29 - 9/22	334	50	325	Sheep Rock	1	8	1 - 27	S,L	MISSING	Appc9		570		X		X
1987	6/29 - 9/26	334	50	328	White Rock	1	8	1 - 11	S,L	MISSING	Appc9		251		X		X
1987	7/14	334	63	090	Fairbanks	1	8	1	S,L	MISSING			9		X	X	X
1987	7/11	334	63	090	Fairbanks	1	4	1 - 2	S,L	MISSING			15		X	X	X
1987		334			Y3	1				MISSING	Appc-y2						
1987	6/5 - 6/12	334	10	080	Emmonak	2	4	1 - 8	S,L	MISSING		Tab05	27		X	X	X
1987	6/3 - 6/12	334	10	080	Emmonak	2	4	1 - 21	S,L	MISSING		Tab05	138		X	X	X
1987	7/10 - 7/17	334	42	086	Bishop Rock	2	4	9-10,21-29	S,L	MISSING	Appc6	Tab05	89		X	X	X
1987	7/30	334	43	086	Galena, South Bank	2	8	36	S,L	MISSING		Tab05	3		X	X	X
1987	7/17 - 7/19	334	50	102	Haul Road Bridge	2	4	1 - 19	S,L	MISSING	Appc7	Tab05	132		X	X	X
1987	7/15 - 7/17	334	50	101	Rampart Rapids	2	4	1 - 12	S,L	MISSING	Appc7	Tab05	97		X	X	X
1987	7/15 - 7/17	334	50	101	Rampart Rapids	2	8	21-24,5-42	S,L	MISSING	Appc8	Tab05	341		X	X	X
1987		334			Y3	2				MISSING	Appc-y2						
1987	8/17 - 9/1	334	50	082	Big Salmon R	3	19	1 - 30	S,L	MISSING			127		X		X
1987	8/2 - 8/22	334	50	082	Big Salmon R	3	19	1 - 30	S,L	MISSING	Tab06	Tab07	259		X	X	X
1987	7/27 - 7/28	334	50	210	Chandalar R	3	4	1 - 2	S,L	MISSING			2		X	X	X
1987	7/14 - 8/17	334	20	071,063	Andreafsky R	4	12,2	1-25,1-20	S,L	MISSING	Tab06	Tab07	383		X	X	X
1987	8/12 - 8/19	334	40	064	Anvik R	4	12	1 -33	S,L	MISSING	Tab06	Tab07	238		X	X	X
1987	8/6 - 8/8	334	40	201	Gisasa	4	12	1 - 13	S,L	MISSING	Tab06	Tab07	96		X	X	X
1987	8/11	334	40	211	Henshaw Creek	4	snag	1	S,L	MISSING			7		X	X	X
1987	8/13	334	40	207	Jim R	4	10	1 - 2	S,L	MISSING			14		X	X	X
1987	8/15	334	40	208	Koyukuk R	4	10	1	S,L	MISSING	Tab06	Tab07	1		X	X	X
1987	7/29 - 8/14	334	40	065	Nulato	4	12	1 - 21	S,L	MISSING	Tab06	Tab07	155		X	X	X
1987	8/24 - 8/28	334	50	300	Little Salmon R	4	12	*	S,L	MISSING	Tab06	Tab07	180		X	X	X
1987	8/22 - 8/27	334	50	307	Mainstem	4	12,4	1, 100-105	S,L	MISSING	Tab06	Tab07	23		X	X	X
1987	8/19 - 8/30	334	50	311	Morley R	4	12	1-4, 100	S,L	MISSING	Tab06	Tab07	28		X	X	X
1987	8/22 - 8/24	334	50	301	Nisutlin	4	12	1, 100-103	S,L	MISSING	Tab06	Tab07	24		X	X	X
1987	8/23 - 8/27	334	50	306	Nordenskjold R	4	12	1 - 4	S,L	MISSING	Tab06	Tab07	30		X	X	X
1987	8/26 - 9/2	334	50	304	Tatchun Creek	4	12	1-5,100-106	S,L	MISSING	Tab06	Tab07	57		X	X	X
1987	8/20	334	50	072	Teslin	4	12	100 - 103	S,L	MISSING	Tab06	Tab07	17		X		X
1987	8/4 - 8/18	334	60	066	Chena	4	12	1 - 66	S,L	MISSING	Tab06	Tab07	560		X	X	X
1987	8/10 - 8/14	334	60	067	Salcha	4	12	1 - 64	S,L	MISSING	Tab06	Tab07	613		X	X	X
1987	6/7 - 6/14	334	10	057	Big Eddy	5	3	1 - 8	S,L	Bige87db		Bige87dbl	41		X	X	X
1987	6/6 - 7/6	334	10	057	Big Eddy	5	4	1 - 10	S,L	Bige87ss		Bige87ssl	36		X	X	X
1987	6/5	334	10	057	Big Eddy	5	3	1	S,L	BigE87ds		BigE87dsl	1		X	X	X
1987	6/4 - 7/15	334	10	057	Big Eddy	5	4	1 - 54	S,L	Bige87sb		Bige87sbl	396		X	X	X
1987	6/5 - 7/13	334	10	059	Middle Mouth	5	4	1 - 17	S,L	Midm87B		Midm87Bl	69		X	X	X
1987	6/20 - 7/13	334	10	059	Middle Mouth	5	4	1 - 15	S,L	Midm87s		Midm87sl	64		X	X	X
1986	6/20 - 7/4	334	10	080	Emmonak	1	4	1 - 155	S,L,A,C	Emmb86k	App15		1,314		X	X	X
1986	6/14 - 7/15	334	10	080	Emmonak	1	4	1 - 87	S,L,A,C	Emms86k	App15/16		727		X	X	X
1986	6/23 - 7/7	334	20	073	Marshall	1	4	1 - 160	S,L,A,C	Mabi86k			1,469		X	X	X
1986	6/15 - 6/21	334	20	073	Marshall	1	4	1 - 38	S,L,A,C	Mars86k			326		X	X	X
1986	7/4 - 7/22	334	42	086	Galena - Bishop Rock	1	8	1 - 6	S,L,A,C	Y4cgbr			27		X	X	X
1986	7/21 - 8/4	334	50	327	Cliff Creek	1	8	1 - 21	S,L,A,C	Cacl86k	App24		182		X		X
1986	7/19 - 8/4	334	50	329	Moose Rock	1	8	1 - 10	S,L,A,C	MISSING	App24		191		X		X
1986	7/12 - 7/21	334	50	325	Sheep Rock	1	8	1 - 22	S,L,A	MISSING	App24		505		X		X
1986	7/14 - 9/1	334	50	328	White Rock	1	8	1 - 24	S,L,A	MISSING	App24		578		X		X
1986	7/9 - 7/13	334	63	090	Fairbanks	1	8	1 - 6	S,L,A,C	Y6fbxk	App23		31		X	X	X
1986		334			Y3	1				MISSING	App19						
1986	6/12	334	10	080	Emmonak	2	4	1	S,L,A,C	MISSING	App25		8		X	X	X
1986	7/7 - 7/16	334	41	086	Koyukuk	2	4	1 - 6	S,L,A,C	MISSING		App29	45		X	X	X
1986	7/3 - 7/22	334	42	086	Bishop Rock, North Bank	2	4	1- 16	S,L,A,C	Y4ngnk	App21		85		X	X	X
1986	7/3 - 7/22	334	43	086	Bishop Rock, South Bank	2	4	1 - 14	S,L,A,C	Y4sgnk	App21		85		X	X	X
1986	7/8 - 7/20	334	62	091	Nenana	2	4	1 - 14	S,L,A,C	Y6fbsk	App23		104		X	X	X
1986	7/12 - 7/27	334	62	091	Nenana	2	8	1 - 20	S,L,A,C	Y6fwk	App23		159		X	X	X
1986		334			Y2	2				MISSING	App26						
1986		334			Y3	2				MISSING	App27						
1986		334			Y9	2				MISSING	App28						
1986	8/2 - 8/22	334	50	082	Big Salmon R	3	19	1 - 19	S,L	MISSING			182		X		X
1986	8/11 - 9/2	334	50	082	Big Salmon R	3	19	1 - 83	S,L	MISSING			413		X		X
1986	7/6 - 8/3	334	60	206	Clear Creek	3	19	1 - 32	S,L,A	Clear	Tab06	Tab07	143		X		X
1986	8/12 - 8/18	334	20	071,063	Andreafsky	4	12,2	1 - 24	S,L,A,C	MISSING	Tab06	Tab07	275		X	X	X
1986	7/8 - 8/20	334	40	064	Anvik R	4	12,2	1 - 18	S,L,A,C	MISSING	Tab06	Tab07	142		X	X	X
1986	8/15 - 8/18	334	40	207/208	Jim R/S.F.Koyukuk R	4	12	1 - 19	S,L,A,C	MISSING	Tab06		171		X	X	X
1986	8/8 -8/13	334	40	065	Nulato R	4	12	1-9,1-13	S,L,A,C	Nultotk	Tab06		87		X	X	X
1986	8/28 - 8/29	334	50	082	Big Salmon R	4	12	1 - 27	S,L,A,C	MISSING	Tab06	Tab07	234		X		X
1986	9/1	334	50	300	Little Salmon R	4	12	1 - 7	S,L,A,C	MISSING	Tab06	Tab07	58		X		X

(continued)

Appendix Table 1.C6. Yukon Area chinook salmon ASL data inventory, 1960-2000. (page 8 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [ab] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1986	9/3	334	50	*	Mainstem Yukon R	4	12	1 - 4	S,L,A,C	MISSING	Tab06	Tab07	33		X		X
1986	8/27 - 8/29	334	50	301	Nisutlin	4	12	1-19,1-5	S,L,A,C	MISSING	Tab06	Tab07	178		X		X
1986	8/30	334	50	304	Tatchun Creek	4	12	1 , 1	S,L,A,C	MISSING			3		X		X
1986	8/26	334	50	072	Teslin	4	12	1-4,1	S,L,A,C	MISSING	Tab06	Tab07	34		X		X
1986	7/31 - 8/9	334	60	066	Chena	4	12	501 - 541	S,L,A,C	MISSING	Tab06	Tab07	355		X	X	X
1986	7/31 - 8/6	334	60	066	Chena	4	12	1 - 44	S,L,A,C	MISSING	Tab06	Tab07	375		X	X	X
1986	8/7	334	60	067	Salcha	4	12	1 - 64	S,L,A,C	MISSING	Tab06	Tab07	587		X	X	X
1986	6/9 - 7/13	334	10	057	Big Eddy	5	4	1 - 26	S,L,A,C	MISSING		App29	104		X	X	X
1986	6/6 - 7/13	334	10	057	Big Eddy	5	4	1 - 56	S,L,A,C	MISSING		App29	399		X	X	X
1986	7/16	334	10	057	Big Eddy	5	4	1	S,L,A	MISSING		App29	2		X	X	X
1986	6/11 - 6/28	334	10	059	Middle Mouth	5	4	1 - 29	S,L,A,C	MISSING		App29	178		X	X	X
1986	6/8 - 6/24	334	10	059	Middle Mouth	5	4	1 - 23	S,L,A,C	MISSING		App29	136		X	X	X
1986	8/10 - 8/17	334	42	095	Ruby, North Bank	5	8	1 - 3	S,L,A,C	Rubnfwk		App29	4		X	X	X
1986	8/8 - 8/18	334	43	095	Ruby, South Bank	5	8	101 - 105	S,L,A,C	Rubsfwk		App29	7		X	X	X
1986	8/12 - 8/25	334	50	070	Whitehorse Hatchery	*	12	1- 17	S,L,A,C	MISSING	App29		134		X		X
1986	7/9 - 7/27	334	50	102	Haul Road Bridge	1,2	4	1 - 58	S,L,A,C	Ragi86k	App21		482		X	X	X
1986	7/9 - 7/27	334	50	101	Rampart Rapids	1,2	8	1 - 61	S,L,A,C	Ramr86k	App22		500		X	X	X
1985	6/25 - 7/19	334	10	080	Emmonak	1	4	1 - 120	S,L,A	Y185	Y1as	Catleng	1,200		X	X	X
1985	6/25 - 7/19	334	10	080	Emmonak	1	4	121 - 189	S,L,A	Y185	Y1as	Catleng	684		X	X	X
1985	6/27 - 7/11	334	20	073	Marshall	1	4	1 - 122	S,L,A	Y285	Y2as	Catleng	*1560		X	X	X
1985	6/27 - 7/11	334	20	073	Marshall	1	4	123 - 158	S,L,A	Y285	Y2as	Catleng	*1560		X	X	X
1985	7/2	334	20	073	Marshall	1	4	1 - 4	S,L,A	Y2spec	Y2specas	Catleng	33		X	X	X
1985	7/2 - 7/5	334	30	061	St Marys (+ Aniak)	1	4	1 - 38	S,L,A	Y385	Y3as	Y3L	386		X	X	X
1985	7/22	334	42	086	Galena	1	4	1	S,L,A	Ganet	Y4as	Y4gnl	12		X	X	X
1985	7/10-7/30	334	42	086	Galena	1	8	1 - 4	S,L,A	Gafw	Y4as	Y4fwl	27		X	X	X
1985	7/22 - 7/29		43	086	Galena, Bishop Rock	1		1 - 3	S,L,A	Ganet	Y4as		12		X	X	X
1985	7/24 - 8/25	334	50	069	Dawson	1	4	1 - 83	S,L,A	Daw85	Daw85as	Daw85l	826		X		X
1985	7/19 - 9/20	334	50	320	Moose Rock Tagging	1	8	1 - 23	S,L,A	MISSING			584		X		X
1985	7/19 - 9/7	334	50	320	Sheep Rock Tagging	1	8	1 - 30	S,L,A	MISSING			470		X		X
1985	7/19 - 9/18	334	50	320	White Rock Tagging	1	8	1 - 24	S,L,A	MISSING			575		X		X
1985	7/24	334	63	090	Fairbanks	1	4	1 - 3	S,L,A	Fb85	Fb85as	Y6len	26		X	X	X
1985	7/24 - 8/13	334	63	090	Fairbanks	1	8	1 - 11	S,L,A	Fb85	Fb85as	Y6len	47		X	X	X
1985	8/20 - 9/10	334	50	082	Big Salmon R	3	19	1 - 5	S,L,A	Bsweir85		Bsweir85	45		X		X
1985	8/19 - 9/9	334	50	070	Whitehorse Fishway	3	*	1 - 12	S,L,A	Wh85	Unusedas	Wh85l	72		X		X
1985	7/24	334	60	206	Clear Hatchery	3	19	1-2,1-8	S,L,A	Clear85		Clear85L	85		X		X
1985	7/18 - 8/20	334	20	071,083	Andreafsky R	4	2	1 - 9	S,L,A	Anfork	Anforka	AnforkL	28		X	X	X
1985	7/29 - 8/28	334	20	071,083	Andreafsky R	4	12	1 - 54	S,L,A	Anfork	Anforka	AnforkL	516		X	X	X
1985	7/24-8/17	334	40	064	Anvik R	4	12,2,4	1 - 13	S,L,A	AV85	Av85a	Av85l	38		X	X	X
1985	8/30 - 9/2	334	50	082	Big Salmon R	4	12	1 - 23	S,L,A	Bs85	Bs85a	Bs85l	227		X	X	X
1985	8/20 - 9/10	334	50	082	Big Salmon R	4	12	1 - 71	S,L,A	Bsweir85	Unused	Bsweir85l	335		X		X
1985	9/4 - 9/5	334	50	300	Little Salmon R	4	12	1 - 10	S,L,A	Ls85	Ls85as	Ls85l	92		X	X	X
1985	9/5-9/6	334	50	307	Yukon Cross./Ingersoll Isl.	4	12	1 - 4	S,L,A	Yuk85	Yuk85as	Yuk85l	29		X	X	X
1985	8/30 - 9/2	334	50	307	Nisutlin R	4	12	1 - 10	S,L,A	Ni85	Ni85as	Ni85l	97		X	X	X
1985	9/4 - 9/5	334	50	304	Tatchun Creek	4	12	1 - 3	S,L,A	Ta85	Ta85as	Ta85l	19		X	X	X
1985	8/12 - 8/17	334	60	066	Chena	4	12	1 - 64	S,L,A	CH85	CH85a	CH85l	631		X	X	X
1985	8/14 - 8/16	334	60	067	Salcha	4	12	1 - 60	S,L,A	Sa85	Sa85as	Sa85l	596		X	X	X
1985	6/15 - 7/14	334	10	057	Big Eddy	5	4	1 - 40	S,L,A	Be885	Unusedas	Be885	315		X	X	X
1985	6/20 - 7/10	334	10	057	Big Eddy	5	4	1 - 7	S,L,A	Be585	Unusedas	Be585	21		X	X	X
1985	6/20 - 7/13	334	10	059	Middle Mouth	5	4	1 - 10	S,L,A	Mm85	Unusedas	Mm85	83		X	X	X
1985	7/6 - 7/27	334	41	220	Stink Creek	5	8	1 - 15	S,L,A	Scfw	Unusedas	Scfwl	67		X	X	X
1985	8/6 - 8/22	334	42	095	Ruby, North Bank	5	8	1 - 11	S,L,A	Runorth	Unusedas	RunorthL	23		X	X	X
1985	8/6 - 8/20	334	42	095	Ruby, South Bank	5	8	101 - 110	S,L,A	Rusouth	Unusedas	RusouthL	25		X	X	X
1985	7/8 - 7/30	334	42	086	Galena, Bishop Rock	1,2	4	1 - 27	S,L,A	Ganet	Y4as	Y4gnl	208		X	X	X
1985	7/10 - 7/30	334	43	086	Galena, Bishop Rock	1,2	8	1 - 9	S,L,A	Gafw	Y4as	Y4fwl	42		X	X	X
1985	7/17 - 7/28	334	53	102	Haul Road Bridge	1,2	4,8	1 - 52	S,L,A	Y585	Y5as	Y5per	509		X	X	X
1984	6/19	334	10	080	Emmonak	1	4	1 -31	S,L,A	Em84kP1	Em84ksum	Emlengk					
1984	6/22	334	10	080	Emmonak	1	4	32 -61	S,L,A	Em84kP2	Em84ksum	Emlengk					
1984	6/26	334	10	080	Emmonak	1	4	62-93	S,L,A	Em84kP3	Em84ksum	Emlengk					
1984	6/29	334	10	080	Emmonak	1	4	94-123	S,L,A	Em84kP4	Em84ksum	Emlengk					
1984	7/3	334	10	080	Emmonak	1	4	124-146	S,L,A	Em84kP5		Emlengc			X	X	X
1984	7/6	334	10	080	Emmonak	1	4	155-178	S,L,A	Em84kP6		Emlengc			X	X	X
1984	7/10	334	10	080	Emmonak	1	4	179-186	S,L,A	Em84kP7		Emlengc			X	X	X
1984	7/13	334	10	080	Emmonak	1	4	187-188	S,L,A	Em84kP8		Emlengc			X	X	X
1984	7/13	334	10	080	Emmonak	1	4	189	S,L,A	Em84kP9		Emlengc			X	X	X
1984	7/31-8/7	334	10	80	Emmonak	1	4	190-192		Em84kP10							
1984	6/21 -	334	20	061,073	St. Marys, Marshall	1	3	1 - 101	S,L,A	Y284k		Y284kl	1,206		X	X	X
1984	6/29	334	30	000	Aniak	1	3	1 - 31	S,L,A	Y384k		Y384kl	288		X	X	X
1984	7/9 - 8/10	334	42	086	Galena	1	8	1 - 4	S,L,A	Ga84kfw		Galengfw	18		X	X	X
1984	7/19 - 8/14	334	50	069	Dawson	1	4	1 - 40	S,L,A	Da84k		Daleng	400		X		X
1984	7/31	334	62	091	Nenana	1	8	1	S,L	Ne84k		Ne84kl	1		X	X	X
1984	7/25,8/7	334	63	090	Fairbanks	1	8	1 - 2	S,L,A	Fb84k			7		X	X	X
1984	7/9 - 8/10	334	42	086	Galena	1,2	4	1 - 27	S,L,A	Ga84kgn		Galenggn	167		X	X	X
1984	6/12	334	10	080	Emmonak	2	4	1	S,L,A	MISSING		Emleng	6		X	X	X
1984	7/18 - 7/22	334	30	000	Y - 5	2	4,8	1 - 29	S,L,A	Y584k		Y584kL	283		X	X	X
1984	7/1 - 8/16	334	20	071	Andreafsky, East Fork	3	2,10	1 - 17	S,L,A	Ef84kbs			79		X	X	X
1984	7/1 - 8/16	334	20	071	Andreafsky, East Fork	3	12	1 - 30	S,L,A	Ef84kcar		Escleng	277		X	X	X

(continued)

Appendix Table 1.C6. Yukon Area chinook salmon ASL data inventory, 1960-2000. (page 9 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [ab] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1984	7/1 - 7/4	334	20	071	Andreafsky, East Fork	3	10	1 - 2	S,L,A	EF84khl			5	5	X		
1984	6/28 - 7/3	334	21	081	Pilot Station	3	4	1-2,1-5	S,L,A	MISSING			11		X	X	X
1984	7/12 - 7/14	334	21	081	Pilot Station	3	2	1 - 4	L,A	MISSING			9		X		
1984	8/3 - 8/12	334	20	063	Andreafsky, West Fork	4	12	1 - 16	S,L,A	Wf84k			141		X	X	X
1984	8/31	334	50	304	Tatchun Creek	4	12	1 - 4	S,L,A	Ta84k		Escleng	31		1-4	1-3	1-3
1984	8/17	334	60	205	Delta Clearwater	4	12	1	S,L,A	MISSING			3		X	X	X
1984	7/19 - 8/18	334	10	057	Big Eddy	5	4	1 - 10	S,L,A	Be84k6	Be84k6a	Unused	12		X	X	X
1984	6/8 - 7/3	334	10	057	Big Eddy	5	4	1 - 38	S,L,A	Be84k8	Be84k8a	Unused	295		X	X	X
1984	6/8 - 7/9	334	10	057	Big Eddy	5	4	1 - 10	S,L,A	MISSING		Unused	27		X	X	X
1984	6/12 - 6/18	334	10	059	Middle Mouth	5	4	1 - 28	S,L,A	Mm84k8		Unused	249		X	X	X
1984	7/6 - 7/22	334	41	085	Stink Creek	5	8	1 - 15	S,L,A	Sc84k		Unused	56		X	X	X
1984	7/18 - 8/13	334	40	064	Anvik R		12	1 - 38	S,L,A	Av84k		Escleng	340		X	X	X
1984	8/24 - 8/28	334	50	082	Big Salmon R		12	1 - 19	S,L,A	Bs84k		Escleng	186		X	X	X
1984	8/29 - 8/30	334	50	300	Little Salmon R		12	1 - 14	S,L,A	Ls84k		Escleng	132		X	X	X
1984	8/25 - 8/27	334	50	301	Nisutlin R		12	1 - 29	S,L,A	Ni84k		Escleng	285		X	X	X
1984	8/30 - 9/5	334	50	070	Whitehorse Hatchery			1 - 14	S,L,A	Wr84k		Wr84kl	54		X		X
1984	7/8 - 8/14	334	60	066	Chena		12	1 - 60	S,L,A	Ch84k		Escleng	592		X	X	X
1984	8/9 - 8/13	334	60	067	Salcha		12	1 - 64	S,L,A	Sa84k			606		X	X	X
1983	6/10 - 6/21	334	10	080	Emmonak	1	3,4	1-101,102-163	S,L,A	EMkng883			2,300		X	X	X
1983	6/13	334	10	072	Fish Village	1	3	1 - 3	S,L,A	MISSING					X	X	
1983	7/25	334	10	059	Middle Mouth	1	4	5	S,L	MISSING			1		X	X	
1983	6/13 - 6/27	334	20	061	St. Marys	1	3,4	1-60,61-70	S,L,A	Sm83k	Sm83kms		434		X	X	X
1983	6/21	334	30	000	Y-3	1	4	1 - 8	S,L,A	Y383k	Y383ks		219		X	X	X
1983	6/27 - 7/21	334	41	083	Anvik	1	4,8	901 - 907	S,L,W,A	Ac83k					X	X	X
1983	6/30 - 7/26	334	42	086	Galena	1	4	1 - 12		Ga83k					X	X	X
1983	8/8 - 8/23	334	42	095	Ruby	1	8	1 - 6		Ru83k					X	X	X
1983	7/9 - 8/15	334	50	326	Cassiar Creek	1	8	1 - 11	S,L	MISSING			150		X		X
1983	7/18 - 8/8	334	50	069	Dawson	1	4	1 - 72	S,L,W,A	Da83k	Da83ks		720		X		X
1983	7/2 - 8/10	334	50	320	YRBS Tagging	1	8	1 - 6	S,L	MISSING			150		X		X
1983	7/1 - 9/11	334	50	320	YRBS Tagging	1	8		S,L	MISSING			800		X		X
1983	7/6 - 7/17	334	52	093	Rampart	1	8	1 - 58	S,L,A	Y583k	Y583kus		577		X	X	X
1983	7/19	334	60	091	Nenana	2	8	1 - 7	S,L,A	Ne83k			63		X	X	X
1983	7/31 - 8/3	334	20	063	Andreafsky, West Fork	4	12,10	1 - 10, 1	S,L,A	MISSING			65		X	X	X
1983	6/25 - 8/11	334	40	071	Andreafsky, East Fork	4	2	1 - 19	S,L,A	MISSING			102		X	X	X
1983	6/25 - 8/11	334	40	071	Andreafsky, East Fork	4	12	1- 24	S,L,A	MISSING			187		X	X	X
1983	6/25 - 8/11	334	40	071	Andreafsky, East Fork	4	10	1- 4	S,L,A	MISSING			7		X	X	X
1983	6/25 - 8/11	334	40	071	Andreafsky, East Fork	4	*	1	S,L,A	MISSING			1		X	X	X
1983	7/5 - 8/13	334	40	064	Anvik R	4	2,12	1-39, 1-4	S,L,A	MISSING			305		X	X	X
1983	8/23 - 8/26	334	50	082	Big Salmon R	4	12	1 - 25	S,L,A	MISSING			240		X	X	X
1983	8/19 - 8/26	334	50	082	Big Salmon R	4	12	1 - 15	S,L	MISSING			70		1 - 15		1 - 14
1983	8/11 - 8/20	334	50	321	Ingersoll Is/Yukon Crossing	4	12	1 - 3 , 20	S,L,A	MISSING			16		X		X
1983	8/29 - 8/30	334	50	300	Little Salmon R	4	12	1 - 15	S,L,A	MISSING			147		X	X	X
1983	9/1	334	50	303	Michie Creek	4	12	1 - 6	S,L,A	Mi83k			56		X	X	X
1983	8/23 - 8/27	334	50	301	Nisutlin	4	12	1 - 26	S,L,A	MISSING			259		X	X	X
1983	8/17 - 8/18	334	50	301	Nisutlin	4	12	1 - 3	S,L	MISSING			12		X		X
1983	8/31	334	50	304	Tatchun Creek	4	12	1 - 7	S,L,A	MISSING			69		X	X	X
1983	8/12 - 8/15	334	60	066	Chena	4	12	1 - 50	S,L,A	MISSING			493		X	X	X
1983	8/6 - 8/11	334	60	067	Salcha	4	12	1 - 51	S,L,A	MISSING			505		X	X	X
1983	5/29 - 7/15	334	10	057	Big Eddy	5	4	1 - 84	S,L,A	Be83k	Be83kus		656		X	X	X
1983	5/31 - 6/30	334	10	057	Big Eddy	5	4	1 - 8	S,L,A	Be83k5	Be83k5s		24		X	X	X
1983	7/18 - 7/25	334	10	057	Big Eddy	5	4	1 - 2	S,L,A	MISSING			4		X	X	X
1983	6/4	334	10	072	Fish Village	5	3	1	S,L,A	MISSING			1		X	X	X
1983	5/31 - 6/18	334	10	059	Middle Mouth	5	4	1 - 5	S,L	MISSING			29		X	X	X
1983	6/18 - 7/25	334	10	059	Middle Mouth	5	4	1 - 5	S,L	MISSING						X	X
1983	6/14	334	41	220	Stink Creek	5	8	1 - 31	S,L,W,A	Sc83k		SC			X		X
1983	8/26	334	50	304	Tatchun Creek	12	4	1 - 2	S,L	MISSING			10		X		X
1983	8/27	334	50	082	Big Salmon R	smolt	*	1 - 4	L	MISSING			100		X	X	X
1982	6/15 - 7/27	334	10	080	Emmonak	1	4	1 - 66	S,L,A	Emkng82	Emkngs82		1,800		X	X	X
1982	6/15 - 7/27	334	10	080	Emmonak	1	4	67 - 89	S,L,A	Emkng682			438		X	X	X
1982	6/17 - 7/8	334	20	061	St. Marys	1		1-37,48-72	S,L,A	Stmkng82	Stmkngs82		1,815		X	X	X
1982	7/15	334	41	064	Anvik R	1	4	1	S,L,A	MISSING	Anvkks82		5		X	X	X
1982	7/12 - 7/22	334	42	086	Galena	1	4,8	1 - 5	S,L,A	Gal82	Glkngfws82		29		X	X	X
1982	7/28 - 8/7	334	50	069	Dawson	1	12	1 - 32	S,L,W,A	Dawkng82	Dawkngs82		316		X		X
1982	7/15 - 8/1	334	50	320	Yukon Basin Tagging	1	8	1- 2		MISSING			~250		1		X
1982	7/15 - 8/1	334	50	320	Yukon Basin Tagging	1	8	1 - 10		MISSING			~250		X		X
1982	7/15 - 8/1	334	50	320	Yukon Basin Tagging	1	4	1		MISSING			~250		X		X
1982	7/20	334	62	091	Nenana	1	8	1	S,L,A	Nensub82	Nensubs82		19		X	X	X
1982	7/6 - 8/7	334	60	070	Tanana	2	4	1-11,13-14	S,L,A	Tansub82	Tansubs82		125		X	X	X
1982	7/8 - 8/18	334	20	071	Andreafsky, East Fork	4	2,12	1- 35	S,L	Totandkg82	Andkgs82		282		X	X	X
1982	8/7 - 8/16	334	20	063	Andreafsky, West Fork	4	12	1 - 13	S,L,A	MISSING			100		X	X	X
1982	7/21 - 8/3	334	40	064	Anvik R	4	2,12	1 - 23	S,L,A	Totankkg82			148		X	X	X
1982	8/12 - 8/15	334	40	201	Gisasa	4	12	1 - 5	S,L,A	Giskng82	Giskngs82		35		X	X	X
1982	8/24 - 8/28	334	50	082	Big Salmon R	4	12	1 - 21	S,L,A	Bsal82	Bsal82s		191		X	X	X
1982	8/19	334	50	312	Blind Creek	4	12	1	S,L,A	MISSING			2		X		X
1982	8/29 - 8/31	334	50	300	Little Salmon R	4	12	1 - 8	S,L,A	Lsal82	Lsal82s		61		X	X	X
1982	8/29 - 8/31	334	50	303	Michie Creek	4	12	1 - 6	S,L,A	Mitch82	Mitch82s		47		X	X	X

(continued)

Appendix Table 1.C6. Yukon Area chinook salmon ASL data inventory, 1960-2000. (page 10 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1982	8/28 - 8/30	334	50	311	Morley	4	12		S,L,A	Mor82	Mor82s		10		X		X
1982	8/25 - 8/28	334	50	301	Nisutlin	4	12	1 - 17	S,L,A	Nisut82	Nisut82s		147		X	X	X
1982	7/24 - 7/31	334	50	313	Pelly R	4	12	1 - 3	A	MISSING			14				X
1982	8/24 - 8/28	334	50	305	Ross R	4	12	1 - 4	S,L,A	Ross82	Ross82s		20		X		X
1982	9/5	334	50	308	Takhini R	4	12	1 - 3	S,L,A	Tak82	Tak82s		11		X		X
1982	8/11 - 8/27	334	50	304	Tatchun Creek	4	12	1 - 4	A	Tatch82	Tatch82s		21				X
1982	9/2 - 9/4	334	50	307	Teslin	4	12	1 - 3	S,L,A	Tes82	Tes82s		15		X		X
1982	8/26 - 8/28	334	50	310	Wolf R	4	12	1 - 7	S,L,A	Wolf82	Wolf82s		31		X		X
1982	8/24 - 8/25	334	50	306	Yukon Crossing	4	12	1 - 4	S,L,A	Yxing82	Yxing82s		20		X		X
1982	8/14 - 8/17	334	60	066	Chena	4	12	1 - 21	S,L,A	Chkng82	Chkngs82		204		X	X	X
1982	8/7 - 8/13	334	60	067	Salcha	4	12	1 - 62	S,L,A	Salkng82			574		X	X	X
1982	6/6 - 7/12	334	10	057	Big Eddy	5	4	1 - 48	S,L,A	Bedkng882			387		X	X	X
1982	6/11 - 6/20	334	10	057	Big Eddy	5	4	1 - 2	S,L,A	MISSING			4		X	X	X
1982	6/11 - 7/25	334	10	059	Middle Mouth	5	4	1 - 14	S,L,A	Mmkng882			131		X	X	
1982	6/10 - 7/3	334	17	100	Fish Village	5	3	1 - 17	S,L,A	Fvkng582			30		X	X	
1982	7/12 - 7/22	334	41	087	Stink Creek	5	8	1 - 12		Stcr82			38		X	X	X
1981	6/1 - 7/13	334	10	057	Big Eddy	1	4	1 - 19	L,A	MISSING			280		X	X	X
1981	6/6 -	334	10	080	Emmonak	1	4	1 - 52	L,A	MISSING					X	X	X
1981	6/30 - 7/7	334	40	083	Anvik	1	8	157160165	S,L,A	MISSING			18		X	X	X
1981		334	40	086	Galena	1		300301	S,L,A	MISSING			49		X		X
1981		334	40	087	Kaltag	1		500		MISSING			4			X	
1981	7/3 - 7/29	334	50	069	Dawson	1	4	1 - 60	S,L,W,A	MISSING			600		X		X
1981	6/30 - 7/26	334	50	092	Tanana	1		450 - 476		MISSING						X	
1981	7/11 - 7/26	334	60	091	Nenana	1		600 - 626	S,L,A	MISSING			155		X	X	X
1981	7/27 - 8/18	334	50	070	Whitehorse Fishway	3	*	1 - 34	L,A	MISSING			288		X	X	X
1981	7/27 - 8/13	334	50	070	Whitehorse Fishway	3	*	1 - 16		MISSING							X
1981	6/30 - 8/11	334	20	071	Andreafsky, East Fork	4	*	1-5,13-20,26-36	L,A	MISSING			228		X	X	X
1981	7/28 - 8/5	334	20	063	Andreafsky, West Fork	4	gig	1 - 12	L,A	MISSING			116		X	X	X
1981	7/29 - 8/6	334	40	064	Anvik R	4	12	1 - 31	L,A	MISSING			296		X	X	X
1981	7/12, 7/24	334	40	203	Melozitna R	4	3	1 - 2	L,A	MISSING			2		X	X	X
1981	8/2 - 8/8	334	40	065	Nulato R	4	12	1 - 6	L,A	MISSING			44		X	X	X
1981	8/22 - 8/24	334	50	082	Big Salmon R	4	12	1 - 66	L,A	MISSING			652		X	X	X
1981	8/29 - 8/30	334	50	300	Little Salmon R	4	12	1 - 25	L,A	MISSING			250		X	X	X
1981	8/20 - 8/24	334	50	301	Nisutlin R	4		1 - 36	L,A	MISSING			343		X	X	X
1981	8/25 - 8/28	334	50	305	Ross R	4	12	1 - 40	L,A	MISSING			387		X	X	X
1981	8/26 - 8/27	334	50	302	Swift R	4	12	1 - 16	L,A	MISSING			147		X	X	X
1981	8/31	334	50	304	Tatchun Creek	4		1 - 6	L,A	MISSING			50		X	X	X
1981	8/11 - 8/12	334	60	066	Chena	4	12	1 - 14	L,A	MISSING			140		X	X	X
1981	7/29 - 8/6	334	60	067	Salcha	4	12	1 - 64	L,A	MISSING			587		X	X	X
1981	8/8	334	50	072	Teslin	7	10	1	L,A	MISSING			10		X	X	X
1980	6/10 - 7/31	334	10	080	Emmonak	1	4	1 - 44	L,A	MISSING			1,534		X	X	X
1980	6/10 - 7/31	334	10	080	Emmonak	1	4	53 - 105	L,A	MISSING			1,534		X	X	X
1980	7/9 - 8/8	334	50	069	Dawson	1	4	1 - 22		MISSING			192				X
1980	8/19 - 8/23	334	20	071	Andreafsky, East Fork	4	12	1 - 6	L,A	MISSING			35		X	X	X
1980	8/8 - 8/12	334	20	063	Andreafsky, West Fork	4	12	1 - 7	L,A	MISSING			43		X	X	X
1980	7/11,8/5-20	334	40	064	Anvik R	4	12	1 - 10	L,A	MISSING			95		X	X	X
1980	8/5 - 8/6	334	40	065	Nulato R	4	12	1 - 3	L,A	MISSING			23		X	X	X
1980	8/29 - 8/31	334	50	082	Big Salmon R	4	12	1 - 15	L,A	MISSING			141		X	X	X
1980	9/8	334	50	300	Little Salmon R	4	12	1	L,A	MISSING			2		X	X	X
1980	9/10	334	50	303	Michie Creek	4	12	1	L,A	MISSING			4		X	X	X
1980	9/2 - 9/4	334	50	301	Nisutlin R	4	12	1 - 11	L,A	MISSING			100		X	X	X
1980	9/5	334	50	302	Swift R	4	12	1 - 2	L,A	MISSING			11		X	X	X
1980	9/7	334	50	304	Tatchun Creek	4	12	1 - 2	L,A	MISSING			7		X	X	X
1980	9/1	334	50	072	Teslin R	4	12	1 - 2	L,A	MISSING			15		X	X	X
1980	8/8 - 8/20	334	60	066	Chena	4	12	1- 11	L,A	MISSING			70		X	X	X
1980	8/6 - 8/15	334	60	067	Salcha	4	12	1 - 36	L,A	MISSING			343		X	X	X
1980	6/11 - 7/3	334	10	057	Big Eddy	5	4	3 - 22	L,A	MISSING			185		X	X	X
1980	6/11 - 7/3	334	10	057	Big Eddy	5	4	23 - 27	L,A	MISSING			185		X	X	X
1980	6/27 - 7/4	334	41	083	Anvik	1,2	4	13 - 15	S,L,A	MISSING			28		X	X	X
1980	6/27 - 7/18	334	42	086	Galena	1,2	4,8	151 - 179	L	MISSING			126		X	X	X
1980	7/12 - 7/29	334	62	091	Nenana	1,2	8	801 - 821	L	MISSING			166		X		X
1980	6/10 - 7/3	334	17	100	Head of Passes		3	1 - 17		MISSING						X	
1979	5/26 - 7/10	334	10	080	Emmonak	1	4	1 - 64	L,A	MISSING			900		X	X	X
1979	5/26 - 7/10	334	10	080	Emmonak	1	4	65 - 93	L,A	MISSING			900		X	X	X
1979	7/11 - 7/29	334	61	088	Manley	1	4	352 - 373	S,L,W,A	MISSING			23		X	X	X
1979	7/4 - 7/31	334	42	086	Galena	2	4,8	153 - 178	S,L,W,A	MISSING			79		X	X	X
1979	7/14 - 8/28	334	62	091	Nenana	2	8	801 - 844	S,L,W,A	MISSING			63		X	X	X
1979	7/25 - 8/16	334	40	064	Anvik R	4		1 - 5	L,A	MISSING			48		X	X	X
1979	8/8 - 8/10	334	60	067	Salcha	4	12	1 - 21	S,L,A	MISSING			295		X	X	X
1979	5/29 - 7/12	334	10	057	Big Eddy	5	4	1 - 66	L,A	MISSING			1,000		X	X	X
1979	5/29 - 7/12	334	10	057	Big Eddy	5	4	4 - 24	L,A	MISSING			1,000		X	X	X
1979	7/11 - 7/12	334	50	092	Tanana			353-354,356-357	S,L,A	MISSING			100		X	X	X

(continued)

Appendix Table 1.C6. Yukon Area chinook salmon ASL data inventory, 1960-2000. (page 11 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [ab] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1978	6/9 - 7/25	334	10	080	Emmonak	1	4	17 - 63	L,A	MISSING			1,115		X	X	X
1978	6/9 - 7/25	334	10	080	Emmonak	1	4	68 - 114	L,A	MISSING			1,115		X	X	X
1978	7/23 - 7/14	334	41	083	Anvik	1	4,8	4 - 25	S,L,W,A	MISSING			43		X	X	X
1978	7/14 - 8/2	334	62	091	Nenana	1	8	802809820	S,L,W,A	MISSING			58		X	X	X
1978	5/27 - 6/2	334	10	080	Emmonak	2	4	1,3,5,7	L,A	MISSING			27		X	X	X
1978	5/27 - 6/2	334	10	080	Emmonak	2	4	10,11	L,A	MISSING			27		X	X	X
1978	6/30	334	41	085	Nulato	2	4	457	S,L,W,A	MISSING			13		X		
1978	7/4 - 7/19	334	42	086	Galena	2	4,8	462 - 486	S,L,W,A	MISSING			99		X	X	X
1978	8/1	334	42	095	Ruby	2	8	490	S,L,W,A	MISSING			4		X	X	X
1978	7/9 - 7/26	334	60	088	Manley	2	4,8	603 - 628	S,L,W,A	MISSING			168		X	X	X
1978	7/20 - 8/20	334	30	064	Anvik R	4		1 - 9	L,A	MISSING			88		X	X	X
1978	8/11 - 8/14	334	60	067	Salcha	4	12	1 - 3	S,L,A	MISSING			89		X	X	X
1978	5/30 - 7/8	334	10	057	Flat Island	5	4	35,65	L,A	MISSING			900		X	X	X
1978	5/30 - 7/8	334	10	057	Flat Island	5	4	2 - 68	L,A	MISSING			900		X	X	X
1977	6/18 - 7/12	334	10	080	Emmonak	1	4	1 - 65	L,A	MISSING			260		X	X	X
1977	6/10 - 7/14	334	10	057	Flat Island	1	4	10 - 66	L,A	MISSING			750		X	X	X
1977	6/10 - 7/14	334	10	057	Flat Island	1	4	1 - 83	L,A	MISSING			750		X	X	X
1977	7/8 - 7/14	334	10	057	Flat Island	1	4	71,72,77,84	L,A	MISSING			120		X	X	X
1977	7/21	334	42	095	Ruby	1	8	228	S,L,W	MISSING			23		X	X	X
1977	7/15 - 8/11	334	62	091	Nenana	1	4,8	401 - 432	S,L,W,A	MISSING			65		X	X	X
1977	7/5	334	41	083	Anvik	2	4	1 - 2	S,L,A	MISSING			37		X	X	X
1977		334	41	085	Nulato	2	4	107 - 230	S,L,A	MISSING			150		X	X	X
1977	7/4 - 7/5	334	42	086	Galena	2	4	202204	S,L,W	MISSING			5		X	X	X
1977	8/6 - 8/10	334	50	098	Eagle	2	4	1 - 5	S,L,W,A	MISSING			20		X	X	
1977	7/19 - 7/29	334	50	093	Rampart	2	4,8	301,501-517	S,L,W,A	MISSING			81		X	X	X
1977	7/20 - 8/17	334	40	064	Anvik R	4		1 - 13	L,A	MISSING			130		X	X	X
1977	8/1 - 8/18	334	60	067	Salcha	4	2,12	51 - 56	S,L,A	MISSING			84		X	X	X
1977		334	10	089	Yukon Delta Area	smolt	1		L	MISSING							
1976	6/18 - 7/10	334	10	080	Emmonak	1	4	55-59,65	L,A	MISSING			900		X	X	X
1976	6/18 - 7/10	334	10	080	Emmonak	1	4	1 - 50	L,A	MISSING			900		X	X	X
1976	7/9 - 7/16	334	10	057	Flat Island	1	4	34-35,45,50	L,A	MISSING			70		X	X	X
1976	7/8 - 8/5	334	40	086	Galena	1	4,8	1 - 15	S,L,W,A	MISSING			11		X	X	X
1976	7/17 - 7/29	334	40	095	Ruby	1	8	1 - 2	S,L,W,A	MISSING			15		X	X	X
1976	8/2 - 8/6	334	50	069	Dawson	1		1 - 15	A	MISSING					X		X
1976	7/21 - 7/31	334	51	093	Rampart	1	4,8	1 - 6	S,L,W,A	MISSING			63		X	X	X
1976	7/21 - 8/5	334	51	092	Tanana	1	4,8	2-10,214,403-412	S,L,W,A	MISSING			126		X	X	X
1976	7/7 - 7/12	334	40	085	Nulato	2	4,8	201-205,207		MISSING			65		X	X	X
1976	8/8	334	52	094	Fort Yukon	2	8	1	S,L,W,A	MISSING			5		X	X	X
1976	7/20 - 9/25	334	61	088	Manley	2	8	*	S,L,W,A	MISSING			43		X	X	X
1976	8/10 - 8/12	334	40	064	Anvik R	4		1 - 6	L,A	MISSING			52		X	X	X
1976		334	50	070	Whitehorse Fishway	4		1 - 4		MISSING					X		X
1976	8/3 - 8/24	334	60	067	Salcha	4	12	1 - 17	S,L,A	MISSING			165		X	X	X
1976	6/17 - 7/17	334	10	057	Flat Island	5	4	1 - 41	L,A	MISSING			650		X	X	X
1976	6/17 - 7/17	334	10	057	Flat Island	5	4	11 - 46	L,A	MISSING			650		X	X	X
1975	6/11 - 7/1	334	10	080	Emmonak	1	4	1 - 51	L,A	MISSING			725		X	X	X
1975	6/11 - 7/1	334	10	080	Emmonak	1	4	53 - 66	L,A	MISSING			725		X	X	X
1975	July - Aug	334	50	069	Dawson	1	4	1 - 11		MISSING					X		X
1975	July - Aug	334	50	069	Dawson	1	8	4		MISSING					X		X
1975	7/10 - 7/13	334	50	092	Tanana	1	4	200 - 203	S,L,A	MISSING			20		X	X	X
1975	8/5 - 8/7	334	60	088	Manley	1	8	238,246,248-249	S,L,A	MISSING			5		X	X	X
1975	7/15 - 7/30	334	60	091	Nenana	1	4,8	204 - 235	S,L,A	MISSING			233		X	X	X
1975	7/7 - 7/28	334	40	086	Galena	2	8	1-12,102,104	S,L,W,A	MISSING			76		X	X	X
1975	8/11 - 8/12	334	60	066	Chena	4		43 - 46	S,L,A	MISSING			56		X	X	X
1975	7/9	334	60	089	Delta R	4	4,8	6		MISSING						X	
1975	6/10 - 7/8	334	12	057	Flat Island	5	4	1 - 28	S,L,A	MISSING			164		X	X	X
1975	8/12 - 8/27	334	60	067	Salcha	5		1-39,41	S,L,A	MISSING			227		1-19	X	1-19
1975		334	40	064	Anvik R			1 - 21		MISSING							
1974	6/4 - 7/17	334	10	080	Emmonak	1	4	1 - 70	L,A	MISSING			600		X	X	X
1974	6/4 - 7/17	334	10	080	Emmonak	1	4	76 - 97	L,A	MISSING			600		X	X	X
1974	7/16 - 8/2	334	50	095	Rampart	1	4	6,19	S,L,A	MISSING			17		X	X	
1974	7/5 - 8/2	334	60	091	Nenana	1	8	1,3,4	S,L,A	MISSING			72		X	X	
1974	8/1 - 8/27	334	50	070	Whitehorse	4		1 - 17	L,A	MISSING			93		X	X	X
1974	8/8	334	60	066	Chena	4	12	1		MISSING			22		X	X	X
1974	8/8 - 8/18	334	60	067	Salcha	4	12	32 - 56	S,L,A	MISSING			233		X	X	X
1974	7/19	334	60	067	Salcha	4	10	11	S,L,W,A	MISSING			3		X	X	
1974	5/31 - 7/7	334	10	057	Flat Island	5	4	1 - 45	L,A	MISSING			120		X	X	X
1974	5/31 - 7/7	334	10	057	Flat Island	5	4	4 - 37	L,A	MISSING			120		X	X	X
1974	6/14 - 8/19	334	60	067	Salcha	smolt			L,W	MISSING			180				
1974	8/8 - 8/9	334	60	067	Salcha	smolt		1 - 3		MISSING			13		X		
1974	7/16 , 8/2	334	40	083	Anvik		8	6 , 19		MISSING							

(continued)

Appendix Table 1.C6. Yukon Area chinook salmon ASL data inventory, 1960-2000. (page 12 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data ab: Raw	Electronic Data ab: Age Comp. Summary	Electronic Data ab: Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1973	6/8 - 7/10	334	10	080	Emmonak	1	4	1 - 60	L,A	MISSING			1,500		X	X	X
1973	6/8 - 7/10	334	10	080	Emmonak	1	4	65 - 85	L,A	MISSING			1,500		X	X	X
1973	6/6 - 7/12	334	10	057	Flat Island	1	4	1 - 87	L,A	MISSING			405		X	X	X
1973	7/6 - 7/10	334	20	062	Mountain Village	1	3	5-6,17-18	L,A	MISSING			120		X	X	X
1973	7/28 - 8/2	334	30	064	Anvik	1		13,18,23,38	L,A	MISSING			10		X	X	X
1973	7/2	334	40	095	Ruby	1	8	1	S,L,A	MISSING			11		X		
1973	7/11	334	50	093	Rampart	1	4	4 - 5	S,L,A	MISSING			11		X		
1973	7/2 - 7/16	334	60	091	Nenana	1	8	1 - 7	S,L,A	MISSING			180		X	X	X
1973	8/1 - 8/27	334	50	070	Whitehorse	4		1 - 3	L,A	MISSING			73		X	X	X
1973	8/1 - 8/22	334	60	067	Salcha	4	12	1 - 30	S,L,A	MISSING			270		X	X	X
1973	6/6 - 7/12	334	10	057	Flat Island	5	4	9 - 76	L,A	MISSING			405		X	X	X
1973		334	60	067	Salcha	smolt				MISSING							
1972	6/14 - 7/2	334	10	080	Emmonak	1	4	1 - 53	L,A	MISSING			840		X	X	X
1972	6/13 - 7/14	334	10	057	Flat Island	1	4	5 - 103	L,A	MISSING			230		X	X	X
1972	7/12,7/20	334	50	092	Tanana	1		1,3	L,A	MISSING			24		X	X	X
1972	7/25	334	50		Yukon R (Dawson?)	1	8	1 - 2		MISSING			80		X	X	X
1972	6/20 - 8/4	334	40	064	Anvik R	4	12	1 - 3		MISSING			20			X	X
1972		334	50	072	Teslin	4		1 - 8		MISSING			360		X	X	X
1972	8/4 - 8/22	334	50	070	Whitehorse	4		1 - 8	L,A	MISSING			150		X	X	X
1972		334	60	067	Salcha	4	13,20	1 - 2	S,L,A	MISSING			413		X		
1972	8/4 - 8/18	334	60	067	Salcha	4		1 - 28	S,L,A	MISSING			250		X	X	X
1972	6/11 - 7/13	334	10	057	Flat Island	5	4	1 - 100		MISSING			410		X	X	X
1972	7/19 - 7/20	334	60	067	Salcha	smolt				MISSING							
1971	6/16 - 7/3	334	10	058	Alakanuk	1	4	2 - 45	L,A	MISSING			870		X	X	X
1971	6/15 - 6/29	334	10	057	Flat Island	1	4	4 - 38	L,A	MISSING			235		X		
1971	6/22 - 7/6	334	30	075	Ohogamiut	1	4	1A - 13A	L,A	MISSING			200		X	X	X
1971	6/16 - 8/1	334	30	075	Ohogamiut	1	4,8	1-38,1B-5B	L,A	MISSING			275		X	X	X
1971	7/29 - 8/20	334	50	069	Dawson	1	8	1 - 36	L,A	MISSING			950		X	X	X
1971	7/8,7/17	334	50	092	Tanana	1	4	1,5	S,L,W,A	MISSING			15		X	X	X
1971	7/19 - 8/4	334	60	091	Nenana	1	8	11-13,20,21,25	S,L,W,A	MISSING			143		X		
1971	6/25 - 7/20	334	30	085	Nulato	4	8	1 - 18	L,A	MISSING			37		X	X	X
1971	7/9 - 8/1	334	50	093	Rampart	4	8	2 - 24	S,L,W,A	MISSING			175		X	X	X
1971	8/7 - 8/29	334	50	070	Whitehorse	4	*	1 - 25	L,A	MISSING			375		X	X	X
1971	6/3 - 7/10	334	10	057	Flat Island	5	4	1 - 55	L,A	MISSING			700		X	X	X
1970	6/9 - 7/3	334	10	058	Alakanuk	1	4	1 - 60		MISSING			350			X	
1970	6/1 - 7/13	334	30	078	Paimiut	1	4	1 - 54	L,A	MISSING			700		X		X
1970	7/8 - 7/12	334	40	092	Tanana	4	8	1,3,4,12,13	L,W,A	70tanana			45		X	X	X
1970	7/20 - 7/21	334	50	094	Fort Yukon	4	8	9, 25 - 26	L,W,A	70ftykn			33		X	X	X
1970	7/10 - 7/17	334	50	093	Rampart	4	8	6-9,15	L,W,A	MISSING			99		X	X	X
1970	7/17	334	50	096	Stephens Village	4	8	16	L,W,A	70stvil			13		X	X	X
1970	8/5 - 8/21	334	50	070	Whitehorse	4	13	1 - 17	L,A	70wht			110		X	X	X
1970	7/13	334	60	091	Nenana	4	8	11 - 29	L,W,A	70nenana			70		X	X	X
1970	8/13 - 8/15	334	60	067	Salcha R	4		1- 8	L,A	70salcha			210		X		X
1970	6/6 - 7/8	334	10	057	Flat Island	5	4	21 - 83	L,A	MISSING			480		X	X	X
1970	6/6 - 7/8	334	10	057	Flat Island	5	4	1 - 97	L,A	MISSING			480		X	X	X
1970	6/25 - 8/2	334	30	075	Ohogamiut	5	8	1 - 60	S,L,A	70ohagim			400				X
1969	6/3 - 6/25	334	10	058	Alakanuk	1	4	*	L,W,A	69alak			1,300		X	X	X
1969	6/4 - 7/7	334	10	057	Flat Island	1	4	1 - 105	L,A	69fiking			620		X	X	X
1969	6/1 - 7/10	334	30	075	Ohogamiut	1	4	1 - 121	L,A	69ohagk			300		X		X
1969	7/11 - 7/20	334	60	093	Rampart	1	8	5 - 10	L,W,A	69ranprt			85		X	X	X
1969	6/30 - 7/20	334	60	092	Tanana	1	8	1 - 4	L,W,A	69tanana			40		X	X	X
1969	6/12 - 7/8	334	30	075	Ohogamiut	5	8	12 - 117	S,L,A	69ohogam			50		X		
1969		334	10	080	Emmonak			1- 15		MISSING			600				X
1968		334	10	058	Alakanuk	1	4	1 - 46	L,W,A	68alak			1,230		X	X	X
1968		334	10	080	Emmonak	1	4	47 - 60	L,W,A	68emoncc			390		X	X	X
1968	6/6 - 7/4	334	10	057	Flat Island	1	4	1 - 41	L,W,A	68ficc			300		X	X	X
1968	6/15 - 6/27	334	30	077	Dogfish Village	1	4	1 - 29	L,W,A	68dogfsh			70		X	X	X
1968	6/30 - 7/12	334	30	078	Paimiut Village	1	4	32 - 63	L,W,A	68paimk			135		X	X	X
1968	8/7	334	20	063	Andreafsky, West Fork	4		1	L,A	Adrsky68			10		X	X	X
1968	8/10	334	40	064	Anvik R	4	12	1 - 2	S,L	MISSING						X	X
1968	8/10	334	40	064	Anvik R	4		1	L,A	68anvik			21		X	X	X
1968		334	40	099	Rampart Rapids	4	4	1	L,A	68rapids			21		X	X	X
1968	8/19	334	50		Lake Labarge/Olive Lake	4		1	A	MISSING			9		X	X	X
1968	6/9	334	50	072	Teslin	4		1 - 2		68teslin			34		X	X	X
1968	8/23 - 8/25	334	60	067	Salcha	4		1 - 7	L,A	68salcha			19		X		X
1968	6/6 - 7/15	334	30	075	Ohogamiut	5	4	1 - 63	L,W,A	MISSING					X	X	X
1968	6/9 - 7/16	334	30	075	Ohogamiut	5	4	1 - 72		MISSING			500			X	
1968		334			Hess R			1 - 4		MISSING							

(continued)

Appendix Table 1.C6. Yukon Area chinook salmon ASL data inventory, 1960-2000. (page 13 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [ab] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1967	7/14	334	10	058	Alakanuk	1	4	3	L,W	67alak			1		X	X	X
1967	6/2 - 6/27	334	10	057	Flat Island	1	4	1 - 69	L,W,A	67ficc			1,110		X	X	
1967	7/14	334	40	093	Rampart	1	8	40 - 41	L,W,A	67ramprt			34		X	X	X
1967	8/31 - 9/1	334	50	072	Teslin	4		1 - 4	L,W,A	67teslin			82		X	X	X
1967	July	334	20,40	063,064	Andreafsky(WF)/Anvik R	4		42 - 49	L,A	~~MISSING~~			218		X	X	X
1967	6/4 - 7/8	334	10	057	Flat Island	5	4	6 - 87	L,W,A	67fis			150		X	X	X
1967	7/5	334	10	059	Middle Mouth	5	4	1	L,W,A	67mmtf			11		X		
1966	6/10 - 6/22	334	10	058	Alakanuk	1	4	1 - 36	L,W,A	~~MISSING~~			1,200		X	X	X
1966	6/12 - 6/16	334	10	057	Flat Island	1	4	1 - 3	L,W,A	~~MISSING~~			19		X	X	X
1966	7/14 - 8/10	334			Upper Yukon	1	4	121 - 124	L,W,A	~~MISSING~~			100		X	X	X
1966	6/14,6/29-30	334	10	059	Middle Mouth	5	4	1,8,11	L,W,A	66mm			2		X	X	X
1966	6/26 - 7/5	334	10	057	Flat Island	5	4	*	L,W,A	~~MISSING~~			124		X	X	X
1965	6/6 - 7/3	334	10	057	Flat Island	1		1 - 56	L,W,A	~~MISSING~~			850		X	X	X
1965		334	60	092	Minto - Tanana	1		301		~~MISSING~~			20			X	X
1965		334	60	093	Rampart	4	8	30		~~MISSING~~			20			X	X
1964	6/19 - 7/7	334	10	057	Flat Island	1		3-4,7-11,13-31	L,A	64ficc			30		X	X	X
1964	7/1 - 7/2	334	30	078	Paimiut	1	4	1 - 2	L,W,A	~~MISSING~~			55		X		X
1964	7/19 - 7/22	334			Upper Yukon	4	8	1 - 3	L,A	~~MISSING~~			60		X	X	X
1963	6/8 - 6/25	334	10	057	Flat Island	1	4	1 - 14	L,A	~~MISSING~~			200		X	X	X
1963		334				1				~~MISSING~~			244				
1961	6/17 - 7/18	334			Lower Yukon	1	8	1 - 14	L	~~MISSING~~			100			X	X
1960	6/21	334			Lower Yukon			1 - 10	L,W	~~MISSING~~			50			X	X

a Not all historic electonic data has been located. Data may not have been transfered to electronic media; files may have been corupted; or missing 5 1/4 disks still need to be located.
b Chinook salmon scale pattern analysis (SPA) has been conducted on the Yukon river since the mid seventies. Electronic SPA files 1980-1999 are achived on the local Anchorage network.
c All raw data files are of ASCII type, with the exception of 1999-2000 Yukon files having the extension of JUN. These files have been created in Excel.
d Refer to tables 1.1-1.6 for descriptions of corresponding file formats.
e Missing electronic raw data files.
f Age comp and length summary files may be opened with Kedit (PRN, AS, L), Word (DOC, WP, WP5), and Excel (.Whal, XLS, WK3, WK1, WKS)
g RIR - Regional Information Report, TDR - Technical Data Report, TFR - Technical Fisheries Report, AWL - Age, Sex, and Size Composition Report, AMR- Annual Management Report, AAFI - Arctic Anadromous Fish Investigations
h Refer to table 1.1 for listing of all ASL source reports.
i The last Yukon River ASL report was published April 1996 and contained 1994 data (RIR 3A96-16).

Appendix Table 1.C7. Yukon Area chum salmon ASL data inventory, 1962-2000. (page 1 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data Files * Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
2001	7/17 - 8/22	334	10	057	Big Eddy	5	3	1 - 27	S,L,A	Be645fdgn01	Be645fdgn01asl	Be645fdgn01asl	370	332	X		
2001	11/16-11/21	334	60	089	Delta	4	12	1 - 8	S,L,A	Del45fc01	Del45fc01asl	Del45fc01asl	179	168	X		
2001	7/17-8/24	334	15	059	Middle Mouth	5	3	1 - 37	S,L,A	Mm645fdgn01	Mm645fdgn01asl	Mm645fdgn01asl	538	507	X		
2001	9/4-9/21	334	54	100	Sheenjek	4	12	1 - 7, 5-6	S,L,A	Shj45fc01	Shj45fc01asl	Shj45fc01asl	74	72	X		
2001	10/16	334	61	202	Toklat R.	4	12	1-7, 5-6	S,L,A	Tok45fc01	Tok45fc01asl	Tok45fc01asl	181	168	X		
2001	8/23-9/20	334	52	092	Tanana	2	8	1 - 9	S,L,A	Y5Tv45fsbgn01	y5Tv45fsbgn01asl	y5Tv45fsbgn01asl	327	295	X		
2001	8/1 - 9/10	334		062	Mountain Village					MISSING	Mtv45fdgn01asl	Mtv45fdgn01asl					
2001	7/1-8/30	334	20	071	Andreafsky, East Fork	3	19	1 - 15	S,L,A	Aef45wr01	Aef45wr01asl	Aef45wr01asl	120	100	X		
2001	6/28-7/20	334	47	064	Anvik River	3	2	1 - 20*	S,L,A	Avk45bs01	Avk45bs01asl	Avk45bs01asl	607	535	X		
2001	6/9-7/13	334	10	057	Big Eddy	5	3	1 - 30	S,L,A	Be5545dgn01	Be5545dgn01asl	Be5545dgn01asl	587	536	X		
2001	7/7-8/2	334	40	206	Clear Creek Hatchery	3	19	1 - 27	S,L,A	Clr45bs01	Clr45bs01asl	Clr45bs01asl	388	286	X		
2001	7/9-8/7	334	40	201	Gisasa	3	19	1 - 27	S,L,A	Gis45wr01	Gis45wr01asl	Gis45wr01asl	732	610	X		
2001	7/10-8/10	334	40	211	Henshaw Cr.	3	19	1 - 26	S,L,A	Hen45wr01	Hen45wr01asl	Hen45wr01asl	788	620	X		
2001	6/13-7/12	334	15	059	Middle Mouth	5	3	1 - 22	S,L,A	Mm5545dgn01	Mm5545dgn01asl	Mm5545dgn01asl	210	199	X		
2001	7/2-7/13	334	45	085	Nulato		2	1 - 3	S,L,A	Nul45bs01	Nul45bs01asl	Nul45bs01asl	39	36	X		
2001	7/7-8/12	334	40	214	Tozitna River	3	12	0, 2 - 20	S,L,A	Toz45bs01	Toz45bs01asl	Toz45bs01asl	380	303	X		
2001	6/22	334	10	080	Emmonak	2	3	1-2	S,L,A	Y145sbmxgn01	Y145sbmxgn01asl	Y145sbmxgn01asl	53	52	X		
2001	6/12 - 6/26	334	10	080	Emmonak	2	3	1-15	S,L,A	Y15545sbgn01	Y15545sbgn01asl	Y15545sbgn01asl	478	441	X		
2001	7/3 - 7/9	334	43	095	Ruby	2	8	1-2	S,L,A	Y4R45sbfw01			58	54	X		
2001	7/7, 7/18	334	52	101	Rampart Rapids	2	8	1, 3	S,L,A	Y545sbfw01	Y545sbfw01asl	Y545sbfw01asl	26	22	X		
2001	7/8	334	52	092	Tanana	2	8	2	S,L,A	Y545stnfw01	Y545sbfw01asl	Y545sbfw01asl	22	17	X		
2000		334	10	080	Emmonak	1	3	1 - 4	S,L,A	y1014500	y145ucm00asl	y145ucm00asl	160				
2000		334	10	080	Emmonak	1	3	1 - 4	S,L,A	y1024500	y145ucm00asl	y145ucm00asl	120				
2000		334	20	063	Andreafsky, East Fork	1	3	1 - 4	S,L,A	y2014500	y245ucm00asl	y245ucm00asl	160				
2000	7/2-9/9	334	20	071	Andreafsky, West Fork	3	19	1-42	S,L,A	AeF45wr00	AeF45wr00asl	AeF45wr00asl		629		X	X
2000	7/5-7/24	334	40	206	Clear Creek - Hog R	3	2	1-19	S,L,A	Clr45bs00	Clr45bs00asl	Clr45bs00asl		473		X	X
2000	6/29-9/7	334	40	201	Gisasa	3	19	1-30	S,L,A	Gis45wr00	Gis45wr00asl	Gis45wr00asl		831		X	X
2000	6/30-7/24	334	47	064	Anvik	3	2	1-19	S,L,A	Avk45bs00	Avk45bs00asl	Avk45bs00asl		334		X	X
2000	7/17-8/12	334		211	Henshaw Cr.	3	19	1-21	S,L,A	Hen45wr00	Hen45wr00asl	Hen45wr00asl		517		X	X
2000	6/5-7/15	334	10	057	Big Eddy	5	4	1-37	S,L,A	Be545sg00	Be545sg00asl	Be545sg00asl		385		X	X
2000	7/16-8/21	334	10	057	Big Eddy	5	4	*1-37	S,L,A	Be645fsg00	Be645fsg00asl	Be645fsg00asl		620		X	X
2000	7/26-7/30	334	14	057	Big Eddy	5	3	11-12, 15	S,L,A	Be645dg00	Be545dg00asl	Be545dg00asl		371		X	X
2000	6/9-7/15	334	15	059	Middle Mouth	5	4	1-35	S,L,A	Mm545sg00	Mm545sg00asl	Mm545sg00asl		497		X	X
2000	7/16-8/19	334	15	059	Middle Mouth	5	4	1-35	S,L,A	Mm645fsg00	Mm645fsg00asl	Mm645fsg00asl		745		X	X
1999	6/22 - 7/7	334	10	080	Emmonak	1	4	1-18	S,L,A	Y10x4599	y145ucm99as	y145ucm99l				X	X
1999	8/1 - 8/12	334	10	080	Emmonak	1	4	1-12	S,L,A	Y145fcm99	Y145fcm99asl	Y145fcm99asl				X	X
1999	6/25 - 7/5	334	20	061	St. Mary's	1	4	1-16	S,L,A	Y20x4599	y245ucm99as	y245ucm99l				X	X
1999	7/13	334	42	086	Galena	1	8	1-2	S,L,A	Y4bg45fw99	y4bc45fw99asl	y4bc45fw99asl		72	X	X	X
1999	8/16	334	43	086,095	Galena, Ruby	1	8	1-4	S,L,A	Y4bc45fw99	y4bc45fw99asl	y4bc45fw99asl		140	X	X	X
1999	7/13	334	43	095	Ruby	1	8	1-4	S,L,A	Y4cr45fw99	y4bc45fw99asl	y4bc45fw99asl		107	X	X	X
1999	7/22	334	62	091	Tanana	2	8	1-4	S,L,A	Y6b45sbfw99	y6b45sbfw99asl	y6b45sbfw99asl		35	X	X	X
1999	7/29-9/30	334	20	071	Andreafsky	3	19	1-4	S,L,A	Aef45wr99	Aef45wr99asl	Aef45wr99asl		839	X	X	X
1999	7/24	334	40	201	Gisasa	3	19	1-3	S,L,A	Gis45cr99	Gis45cr99asl	Gis45cr99asl		27	X	X	X
1999	7/4-8/5	334	40	201	Gisasa	3	19	1-22	S,L,A	Gis45wr99	Gis45wr99asl	Gis45wr99asl		712	X	X	X
1999	7/5-7/23	334	46	065	Nulato	3	2	1-21	S,L,A	Nul45bs99	Nul45bs99asl	Nul45bs99asl		586	X	X	X
1999	7/4-7/20	334	47	64	Anvik	3	2	1-21	S,L,A	Avk45bs99	Avk45bs99asl	Avk45bs99asl		462	X	X	X
1999	11/16-11/23	334	60	089	Delta	4	12	1-6	S,L,A	Del45cr99	Del45cr99asl	Del45cr99asl		186	X		
1999	10/17-10/19	334	60	202	Toklat R.	4	12	1-3	S,L,A	Tok45cr99	Tok45cr99asl	Tok45cr99asl		72	X		
1999	6/13-7/15	334	10	057	Big Eddy	5	4	1-33	S,L,A	Be545sg99	Be545sg99as	BeMm545sg99l		594		X	X
1999	7/16-8/31	334	10	057	Big Eddy	5	4	1-47	S,L,A	Be645fsg99	Be645fsg99asl	Be645fsg99asl		606		X	X
1999	6/17-7/15	334	15	059	Middle Mouth	5	4	1-33	S,L,A	Mm545sg99	Mm545sg99as	BeMm545sg99l		543		X	X
1999	7/16-8/29	334	15	059	Middle Mouth	5	4	1-42	S,L,A	Mm645sg99	Mm645sg99asl	Mm645sg99asl		956		X	X
1998	6/16 - 7/8	334	10	080	Emmonak	1	4	1-14	S,L,A	Y145ucm98	Y145ucm98as	Y145ucm98al		151	X	X	X
1998	7/2	334	10	080	Emmonak	1	4	1-4	S,L,A	Y145rcm98	Y145UNR&R98as	Y145UnR&R98al		150	X	X	X
1998	6/27 - 7/3	334	20	061	St. Mary's	1	4	1-8, 201-204	S,L,A	Y245ucm98	Y245ucm98as	Y245ucm98al		148	X	X	X
1998	7/10	334	43	095	Ruby	2	8	1	S,L,A	Y4b45sbfw98				35	X	X	X
1998	7/13	334	47	64	Anvik Bluff	2	8	1-2	S,A	Avk45sbfw98	Avk45sbfw98as			41	X	X	X
1998	6/29-9/10	334	20	071	Andreafsky	3	19	1-36	S,L,A	Aef45wr98	Aef45wr98asl	Aef45wr98asl		830	X	X	X
1998	7/1-8/2	334	40	201	Gisasa	3	19	501-523	S,L,A	Gis45cr98	Gis45cr98asl	Gis45cr98asl		178	X	X	X
1998	6/27-7/23	334	40	201	Gisasa	3	19	1-17	S,L,A	Gis45wr98	Gis45wr98asl	Gis45wr98asl		598	X	X	X
1998	6/26-7/20	334	47	64	Anvik	3	2	1-21	S,L,A	Avk45bs98	Avk45bs98asl	Avk45bs98asl		460	X	X	X
1998	7/5-7/23	334	46	065	Nulato	4	2	1-17	S,L,A	Nul45bs98	Nul45bs98asl	Nul45bs98asl		580	X	X	X
1998	10/29-11/25	334	60	089	Delta	4	12	1-5	S,L,A	Del45cr98	Del45cr98asl	Del45cr98asl		159	X		
1998	10/29	334	60	202	Toklat R.	4	12	1-5	S,L,A	Tok45cr98	Tok45cr98asl	Tok45cr98asl		176	X		
1998	5/30-7/15	334	10	057	Big Eddy	5	4	1-46	S,L,A	Be545sg98	Be545sg98as	Bemmt545sg98asl		775	X	X	X
1998	7/16-9/9	334	10	057	Big Eddy	5	4	1-44	S,L,A	Be645sg98	Be645sg98as	Bemmt645sg98asl		511	X	X	X
1998	6/1-7/15	334	15	059	Middle Mouth	5	4	1-43	S,L,A	Mm545fsg	Mm545fsg98as	Bemmt545sg98asl		928	X	X	X
1998	7/16-8/28	334	15	059	Middle Mouth	5	4	1-41	S,L,A	Mm645fsg	Mm645fsg98as	Bemmt645sg98asl		737	X	X	X

(continued)

Appendix Table 1.C7. Yukon Area chum salmon ASL data inventory, 1962-2000. (page 2 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data Files [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1997	6/21 - 6/30	334	10	080	Emmonak	1	4	1 - 12	S,L,A	y145rcm97					X		
1997	6/12 - 6/27	334	10	080	Emmonak	1	4	1 - 20	S,L,A	y145ucm97							
1997	8-6 - 8/18	334	10	080	Emmonak	1	4	1 - 20	S,L,A	Y1c6fc97	Y1c6fc97as		803	797	X	X	
1997	6/16 - 6/26	334	20	061	St. Mary's	1	3	1 - 16	S,L,A	Y2c8sc97	Y2c8sc97as			151	X	X	
1997	8/21	334	42	086	Galena	1	8	1 - 4	S,L,A	Y4gffc97	Y4gffc97as			135	X	X	
1997	7/7 - 7/14	334	42	086	Galena - Dainty Island	1	8	1 - 5	S,L,A	Y4gdsc97	Y4gdsc97as			173	X	X	
1997	8/21 - 9/5	334	43	095	Ruby	1	8	1 - 9	S,L,A	Y4rfsc97	Y4rfsc97as			246	X	X	
1997	7/1 - 7/20	334	44	083	Anvik Bluff	1	8	1 - 22	S,L,A	Y4ascw97	Y4ascw97as			639	X	X	X
1997	7/17 - 7/20	334	44	083	Anvik Bluff	1	4	1 - 5	S,L,A	Y4ascg97	Y4ascg97as			158	X	X	
1997	7/13 - 7/19	334	45	084	Grayling	1	8	1 - 3	S,L,A	Y4gscw97	Y4gscw97			42	X	X	
1997	7/9 - 7/13	334	43	085	Nulato - Kaltag	1	8	1 - 2	S,L,A	y4nksc97	y4kwsc97as			75	X	X	
1997	7/1 - 7/21	334	46	087	Kaltag, Halfway Island	1	8	1 - 9	S,L,A	Y4fkfsc97	Y4fkfsc97as			319	X	X	
1997	7/1 - 7/19	334	47	064	Anvik R	1	2	1 - 14	S,L,A	Y4ascb97	Y4ascb97as			435	X	X	
1997	9/2	334	52	092	Tanana	1	8	1 - 5	S,L,A	Y5tffc97	Y5tffc97as			151	X	X	
1997	7/12 - 7/15	334	62	091	Nenana	1	8	1 - 2	S,L,A	Y6bnfc97	Y6bnfc97			10	X	X	
1997	6/23 - 9/11	334	20	071	Andreafsky, East Fork	3	19	1 - 56	S,L,A	Aefwec97	Aefwec97as			1,403	X	X	
1997	6/25 - 7/20	334	40	065	Nulato	3	2	1 - 25	S,L,A	Nul45bs97	Nul45bs97as			546	X	X	
1997	6/30 - 7/10	334	40	206	Clear Creek - Hog R	3	2	1 - 9	S,L,A	Cc45bs97	Cc45bs97as			315	X	X	
1997	6/23 - 7/23	334	40	201	Gisasa	3	19	1 - 29	S,L,A	Grwesc97	Grwesc97as			148	X	X	
1997	6/26 - 7/18	334	47	064	Anvik R	3	2	1 - 18	S,L,A	y4ascs97	y4ascs97as			611	X	X	
1997	10/30-11/7	334	60	087	Delta	4	12	1-5	S,L,A	Drefcc97	Drefcc97as			172	X		
1997	10/16-10/18	334	60	202	Toklat Springs	4	12	1-6	S,L,A	Trefcc97	Trefcc97as			171	X		
1997	8/7	334	63	066	Chena R.	4	12	1	S,L,A	Crhpec97	Crhpec97as			36	X		
1997	8/7-8/14	334	63	067	Salcha	4	12	1-7	S,L,A	Srhpec97	Srhpec97as			150	X		
1997	5/29 - 7/15	334	10	057	Big Eddy	5	4	1 - 47	S,L,A	Bet5sc97	Bet5sc97as				X		
1997	7/16 - 8/29	334	10	057	Big Eddy	5	4	1 - 45	S,L,A	Betfch97	Betfch97as		810	715	X		
1997	6/3 - 7/15	334	15	059	Middle Mouth	5	4	1 - 40	S,L,A	Mmt5sc97	Mmt5sc97as			819	X	X	
1997	7/16 - 8/29	334	15	059	Middle Mouth	5	4	1 - 38	S,L,A	Mmt6fc97	Mmt6fc97as			665	X	X	
1997	6/12	334	10	080	Emmonak	5	4	1 - 4	S,L,A	~~MISSING~~	Y1c6sc97			151	X	X	X
1997	6/17	334	10	080	Emmonak	5	4	5 - 8	S,L,A	~~MISSING~~	Y1c6sc97			148	X	X	X
1997	6/20	334	10	080	Emmonak	5	3	9 - 12	S,L,A	~~MISSING~~	Y1c6sc97			148	X	X	X
1997	6/21	334	10	080	Emmonak	5	3	13 - 16	S,L,A	~~MISSING~~	Y1c6sc97			148	X	X	X
1997	6/24	334	10	080	Emmonak	5	3	17 - 20	S,L,A	~~MISSING~~	Y1c6sc97			145	X	X	X
1997	6/27	334	10	080	Emmonak	5	3	21 - 24	S,L,A	~~MISSING~~	Y1c6sc97			150	X	X	X
1997	6/28	334	10	080	Emmonak	5	3	25 - 28	S,L,A	~~MISSING~~	Y1c6sc97			147	X	X	X
1997	6/30	334	10	080	Emmonak	5	3	29 - 32	S,L,A	~~MISSING~~	Y1c6sc97			155	X	X	X
1996	6/27	334	10	080	Emmonak	1	3	1 - 22	S,L,A	Y1c8cm96	Y1c8cm96as			149	X		
1996	8/22	334	10	080	Emmonak	1	3	1 - 24	S,L,A	Y1c6fc96	Y1c6fc96as			149	X		
1996	6/9 - 7/1	334	20	061	St. Mary's	1	3	1 - 24	S,L,A	Y2c8cm96	Y2C8CM96as			149	X		
1996	8/1 - 8/6	334	20	061	St. Mary's	1	3	1 - 8	S,L,A	Y2pdfc96	Y2C8CM96as				X		
1996	7/5	334	32	079	Holy Cross	1	3	1-2	S,A	Y3h6sc96	Y3h6sc96as			55	X		
1996	7/5	334	32	078	Paimut	1	4	1	S,A	Y3p5sc96	Y3p5sc96as			20	X		
1996	6/24-7/15	334	40	085	Nulato	1	8	3-21,24,27	S,A	Y4nwsc96	Y4nwsc96as			646	X		
1996	6/24-7/10	334	42	086	Galena	1	8	1-10	S,A	Y4gfsc96	Y4gfsc96as			231	X		
1996	6/23-7/07	334	45	084	Grayling	1	8	1 - 24	S,A	Y4gwsc96	Y4gwsc96as			709	X		
1996	6/27	334	45	085	Grayling	1	4	1 - 2	S,A	Y4grsc96	Y4grsc96as			72	X		
1996	7/11	334	45	087	Kaltag	1	8	1 - 6	S,A	Y4kwsc96	Y4kwsc96as			145	X		
1996	6/23-7/12	334	46	087	Kaltag, Halfway Island	1	8	1-2, 22-26	S,A	Y4kfsc96	Y4kfsc96as			208	X		
1996	6/23-7/11	334	47	083	Anvik	1	8	1 - 33	S,A	Y4awsc96	Y4awsc96as			1,022	X		
1996	6/23-7/7	334	47	083	Anvik Bluff	1	4	1 - 27	S,A	Y4a6sc96	Y4a6sc96as			828	X		
1996	8/16	334	52	101	Rampart Rapids	1	8	1-4	S,L,A	Y5rwfc96	Y5rwfc96as			146	X		
1996	6/28-7/13	334	6	206	Clear Creek - Hog R	3	2	1 - 13	S,L,A	Ccbssc96	Ccbssc96as	Ccbssc96		312	X		
1996	6/20-9/06	334	20	071	Andreafsky, East Fork	3	19	1 - 42	S,L,A	Aefwec96	Aefwec96as			1,277	X		
1996	6/22-7/22	334	40	201	Gisasa	3	19	1 - 26	S,L,A	Grwesc96	Grwesc96as			973	X		
1996	6/24-7/15	334	40	065	Nulato	3	2	1-23	S,L,A	Ntbssc96	Ntbssc96as			522	X		
1996	7/10-9/19	334	42	208	Koyukuk	3	19	1-32	S,L,A	Krewct96	Krewct96as			1,046	X		
1996	7/3 - 7/11	334	46	087	Kaltag	3	2	1 - 2	S,L,A	Y4kcsc96	Y4kcsc96as			52	X		
1996	6/22-7/16	334	44	064	Anvik R.	3	2	1 - 25	S,L,A	Y4assc96	Asstsc96as			615	X		
1996	8/11-9/18	334	50	100	Sheenjek	3	2	1-8	S,L,A	Srfcbs96	Srfcbs96as			191	X		
1996	10/15	334	61	202	Toklat Springs	3	2	1-2	S,L,A	Mfpefc96	Mfpefc96as			56	X		
1996	10/16	334	61	202	Toklat Springs	3	2	1-2	S,L,A	Srefcc96	Srefcc96as			57	X		
1996	10/18	334	61	202	Toklat Springs	3	2	1-2	S,L,A	Wiefcc96	Wiefcc96as			59	X		
1996	10/22	334		089	Delta R.	3	12	1-6	S,L,A	Drefcc96	Drefcc96as			170	X		
1996	5/29-7/15	334	10	057	Big Eddy	5	4	1-47	S,L,A	Bet5sc96	Bet5sc96as			1,012	X		
1996	7/16-8/27	334	10	057	Big Eddy	5	4	1 - 36	S,L,A	Bet6fc96	Bet6fc96as	Bet1fc96		555	X		
1996	6/2-7/15	334	15	059	Middle Mouth	5	4	1 - 36	S,L,A	Mmt5sc96	Mmt5sc96as	Mmt5lc96		926	X		
1996	7/16-8/27	334	15	059	Middle Mouth	5	4	1 - 42	S,L,A	Mmt6fc96	Mmt6fc96as	Mmtlfc96		822	X		
1995	6/13 - 6/27	334	10	080	Emmonak	1	3	1 - 20	S,L,A	Y1ursc95	Y1RSC95as, Y1pdsc95as	Y1rsc95l			X		
1995	6/28 - 7/7	334	10	080	Emmonak	1	3	1 - 24	S,L,A	Y1rsc95	Y1ursc95, Y1pdsc95as	Y1ursc95l			X		
1995	7/31-8/21	334	10	080	Emmonak	1	3	1 - 37	S,L,A	Y1pdfc95	Y1pdfc95as			1,444	X		
1995	6/21	334	20	061	St. Marys	1	3	1 - 20	S,L,A	~~MISSING~~					X		
1995	6/12 - 6/22	334	20	061	St. Marys	1	3	1 - 15	S,L,A	Y2ursc95	Y2ursc95as, Y2pdsc95as	y2ursc95l		2	X		
1995	6/21	334	20	061	St. Marys	1	3	1 - 4	S,L,A	Y2rsc95	Y2rsc95as, y2pdsc95as	y2rsc95l		106	X		
1995	8/1 - 8/6	334	20	061	St. Marys	1	3	1 - 8	S,L,A	Y2pdfc95	Y2pdfc95as			287	X		
1995	6/30 - 7/20	334	42	086	Dainty Island	1	8	1 - 11	S,L,A	4bcwsc95	4bcwsc95as			419	X		

(continued)

Appendix Table 1.C7. Yukon Area chum salmon ASL data inventory, 1962-2000. (page 3 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data Files [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1995	6/28 - 7/13	334	44	083	Anvik	1	4	1 - 18	S,L,A	Avcgsc95	Avcgscs95as			448	X		
1995	6/29 - 7/13	334	44	083	Anvik	1	8	1 - 22	S,L,A	Avcfsc95	Avcfsc95as			744	X		
1995	6/29 - 7/13	334	45	084	Grayling	1	8	1 - 30	S,L,A	Grcfsc95	Grcfsc95as				X		
1995	7/13	334	45	084	Grayling	1	4	1 - 2	S,L,A	Grcgsc95	Grcgsc95as			71	X		
1995	6/28 - 7/9	334	46		Halfway Island	1	8	1 - 20	S,L,A	4acwsc95	4acwsc95as			750	X		
1995	6/30 - 7/9	334	47	064	Anvik	1	2	1 - 20	S,L,A	Avbssc95	Avbssc95as			757	X		
1995	7/2	334	52	101	Rampart Rapids	1	8	1	S,L,A	5Bcwsc95	5Bcwsc95as			5	X		
1995	7/15-7/25	334	61	091	Nenana	1	8	1-6	S,L,A	~~MISSING~~				135	X		
1995	8/1	334	61	091	Nenana	1	8	11-14	S,L,A	~~MISSING~~					X		
1995	6/22	334	43	095	Ruby	2	8	1	S,L,A	4cswsc95	4cswsc95as			12	X		
1995	7/29	334	61	091	Nenana	2	8	7-10	S,L,A	~~MISSING~~				18	X		
1995	6/20 - 8/2	334	20	071	Andreafsky, East Fork	3	19	1 - 30	S,L,A	Anwrsc95	Anwrsc95as			833	X		
1995	6/27 - 7/17	334	40	212	Clear Creek	3	2	1 - 19	S,L,A	Ccdysc95	Ccdysc95as			501	X		
1995	6/27 - 8/1	334	40	201	Gisasa	3	19	1 - 21	S,L,A	Gswrsc95	Gswrsc95as			632	X		
1995	6/21 - 7/19	334	46	065	Nulato	3	2	1 - 24	S,L,A	Nudysc95	Nudysc95as				X		
1995	6/27 - 7/23	334	47	064	Anvik	3	2	1 - 21	S,L,A	Avsbsc95	Avsbsc95as			589	X		
1995	6/24 - 6/28	334	47	064	Anvik Sonar	3	0	1 - 5	S,L,A	Avstsc95	Avstsc95as			27	X		
1995	6/2 - 7/15	334	10	057	Big Eddy	5	4	5 - 47	S,L,A	Bes5sc95	Bes5sc95as	Bes5sc95l			X		
1995	7/17 - 8/26	334	10	057	Big Eddy	5	4	2 - 33	S,L,A	Bes6fc95	Bes6fc95as			662	X		
1995	6/16 - 7/3	334	10	057	Big Eddy	5	4	1 - 17	S,L,A	~~MISSING~~					X		
1995	7/16 - 8/25	334	10	057	Big Eddy	5	4	1 - 26	S,L,A	~~MISSING~~					X		
1995	6/2 - 7/15	334	10	057	Big Eddy	5	4	1 - 35	S,L,A	~~MISSING~~					X		
1995	5/29-7/6	334	10	057	Big Eddy	5	4	1 - 38	S,L,A	Bes5sc95	Bes5sc95			1,011	X		
1995	6/2 - 7/15	334	15	059	Middle Mouth	5	4	1 - 44	S,L,A	Mms5sc95	Mms5sc95as	Mms5sc95l			X		
1995	7/16 - 8/26	334	15	059	Middle Mouth	5	4	1 - 41	S,L,A	Mms6fc95	Mms6fc95as				X		
1995	7/2 - 7/12	334		087	Kaltag	5	2	1 - 5	S,L,A	Ktbssc95	Ktbssc95as				X		
1995	7/24 - 10/12	334		325	Sheep Rock		8	33291-68785		~~MISSING~~							X
1995	7/24	334		325	Sheep Rock		8	33291		~~MISSING~~							X
1995	8/11 - 9/21	334		325	Sheep Rock		8	62676 - 65431		~~MISSING~~							X
1995	9/21 - 9/22	334		325	Sheep Rock		8	74357 - 74361		~~MISSING~~							X
1995	9/23 - 9/24	334		325	Sheep Rock		8	87753 - 87756		~~MISSING~~							X
1995	9/24 - 10/12	334		325	Sheep Rock		8	68751 - 68785		~~MISSING~~							X
1995	7/22 - 10/10	334		328	White Rock		8	68944-88268		~~MISSING~~							X
1995	7/22 - 9/3	334		328	White Rock		8	88268 - 88289		~~MISSING~~							X
1995	9/5 - 9/21	334		328	White Rock		8	62357 - 63765		~~MISSING~~							X
1995	9/22 - 9/24	334		328	White Rock		8	74354 - 74356		~~MISSING~~							
1995	9/24 - 10/10	334		328	White Rock		8	68927 - 68944		~~MISSING~~							X
1994	6/14 - 6/28	334	10	080	Emmonak	1	3	1 - 20	S,L,A	Y1c8sc94		Table._08		938	X	X	X
1994	7/5	334	10	080	Emmonak	1	3	1 - 5	S,L,A	Y1c5sc94					X	X	X
1994	6/16 - 7/4	334	20	061	St. Marys	1	3	1 - 20	S,L,A	Y2c8sc94	App._E04	Table._08		757	X	X	X
1994	7/10	334	42	086	Dainty Island	1	8	1	S,L,A	Y4bfsc94					X	X	X
1994	6/28 - 7/10	334	43	095	Ruby	1	8	1 - 5	S,L,A	Y4cfsc94	App._E07	Table._08			X	X	X
1994	7/7 - 7/19	334	44	083	Anvik Bluff	1	8	1 - 13	S,L,A	Y4afsc94	App._E07	Table._08		*1105	X	X	X
1994	7/8 - 7/11	334	44	083	Anvik Bluff	1	4	1 - 7	S,L,A	Y4agsc94		Table._08			X	X	X
1994	7/10 - 7/18	334	44	064	Anvik R	1	2	0 - 15	S,L,A	Y4absc94	App._E07	Table._08		551	X	X	X
1994	7/11	334	45		Blackburn	1	8	1	S,L,A	Y4afwc94	App._E07	Table._08			X	X	X
1994	7/23-7/30	334	62	091	Nenana	1	8	1 - 11	S,L,A	6bcfsc94					X	?	?
1994	7/7 - 7/18	334	46	085	Last Chance	1	8	1 - 11	S,L,A	Y4afwsc4	App._E07	Table._08		*1105	X	X	X
1994	8/23 - 8/24	334	52	092	Tanana	2	8	1 - 4	S,L,A	Y5bsfc94				112	X		
1994	7/19-7/26	334	62	091	Nenana	2	8	1 - 3	S,L,A	6bsfsc94					X	?	?
1994	8/24	334	62	091	Nenana	2	8	4	S,L,A	Y6bsfc94					X	?	?
1994	7/3 - 8/1	334	20	071	Andreafsky, East Fork	3	19	1 - 20	S,L,A	Efadsc94	Table_05	Table._08		440	X	X	X
1994	6/27 - 7/21	334	44	064	Anvik R	3	2	1 - 22	S,L,A	Anvks94	App._E07				X	X	X
1994	6/25 - 7/19	334	46	065	Nulato	3	2	1 - 18	S,L,A	Nulday94	App._E07				X	X	X
1994	8/24 - 9/13	334	54	100	Sheenjek River	3	2	1 - 8	S,L,A	Sherfc94					X	?	?
1994	10/10 - 10/16	334	61	202	Toklat R. Springs	4		1 - 7	S,L,A	Tokrfc94					X		
1994	10/17	334	61	202	Toklat R. Springs	4		8-9	S,L,A	~~MISSING~~				48	X		
1994	10/16-10/18	334	61	202	Toklat R. Springs	4		10-12	S,L,A	~~MISSING~~				49	X		
1994	10/17	334	61	202	Toklat R. Springs	4		13-14	S,L,A	~~MISSING~~				49	X		
1994	10/10-10/13	334	61	202	Toklat R. Springs	4		15-19	S,L,A	~~MISSING~~				147	X		
1994	11/07?	334	63	209	Chatanika (Bluff Cabin)	4		1 - 4	S,L,A	Blfcfc94					X	?	?
1994	10/31	334	60	089	Delta River	4		1 - 4	S,L,A	Delrfc94					X	?	?
1994	6/10 - 6/13	334	10	057	Big Eddy	5	4	1 - 3	S,L,A	Bes8sc94					X	X	X
1994	5/28 - 7/15	334	10	057	Big Eddy	5	4	1 - 48	S,L,A	Bes5sc94					X		X
1994	7/16 - 8/17	334	10	057	Big Eddy	5	4	1 - 31	S,L,A	Bes6fc94					X	X	X
1994	6/5 - 7/15	334	10	059	Middle Mouth	5	4	1 - 41	S,L,A	Mm5day94					X	X	X
1994	7/16 - 8/18	334	10	059	Middle Mouth	5	4	1 - 32	S,L,A	Mms6fc94					X	X	
1994	8/28 - 9/8	334	20	081	Pilot Station	5	3	1 - 10	S,L,A	Ps55fc94	App._E04				X	X	X
1994	8/29 - 9/8	334	20	081	Pilot Station	5	3	1 - 7	S,L,A	Ps65fsc94	App._F02				X	X	X
1994	8/29 - 9/2	334	20	081	Pilot Station	5	3	1 - 4	S,L,A	Ps5ofc94	App._F02				X	X	X
1993	6/15 - 7/2	334	10	080	Emmonak	1	3	1 - 25	S,L,A	Y1comm93	Y1comm93as				X	X	X
1993	6/17 - 7/1	334	20	061	St. Marys	1	3	1 - 6	S,L,A	Y2comm93	Y2comm93as				X	X	X
1993	6/28 - 7/5	334	42	086	Galena	1	8	1 - 10	S,L,A	Y4bcfwcm	Y4bcfwcmas			212	X	X	X
1993	7/5	334	42	086	Galena	1	4	1	S,L,A	Y4bcgn93							
1993	7/1 - 7/6	334	43	095	Ruby	1	8	1 - 5	S,L,A	Y4ccfwcm	Y4ccfwcmas			28	X	X	X
1993	7/15	334	46	085	Last Chance	1	8	1 - 5	S,L,A	Y4acfwcm	Y4acfwcmas			126	X	X	X

(continued)

Appendix Table 1.C7. Yukon Area chum salmon ASL data inventory, 1962-2000. (page 4 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data Files # Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1993	7/13 - 7/20	334	62	091	Nenana	1	8	1 - 5	S,L,A	Y6bcfwcm	Y6bcfwcmas			85	X	X	X
1993	7/17 - 8/3	334	62	091	Nenana	2	8	1 - 12	S,L,A	Y6bsfwcm	Y6bsfwcmas			232	X	X	X
1993	6/29 - 7/21	334	40	064	Anvik R	3	2	1 - 22	S,L,A	Anvksc93	Anvksc93			548	X	X	X
1993	9/14 - 9/23	334	54	100	Sheenjek	3	2	1 - 9	S,L,A	Shnrfc93	Shnrfc93as			192	X		
1993	7/22 - 8/7	334	20	071	Andreafsky, East Fork	4	2	1 - 6	S,L,A	Efadsc93	Efadsc93			87	X	X	X
1993	7/20 - 8/2	334	20	063	Andreafsky, West Fork	4	12	7 - 12	S,L,A	Wfadsc93	Wfadsc93			96	X	X	X
1993	7/18 - 7/27	334	40	064	Anvik R	4	2	8 - 11	S,L,A	Anvarsc93					X	X	X
1993	10/22 - 10/15	334	61	202	Toklat	4	12	1 - 7	S,L,A	Tokrfc93	Tokrfc93as			191	X		
1993	11/9	334	63	209	Bluff Cabin Slough	4	12	1 - 4	S,L,A	Blcbfc93	Blcbfc93as			151	X		
1993	11/4	334	63	089	Delta R	4	12	1 - 5	S,L,A	Delrfc93	Delrfc93as			192	X		
1993	11/9	334	63	215	Mainstem Tanana	4	2	1 - 3	S,L,A	Tanrfc93	Tanrfc93as			97	X		
1993	7/16 - 8/24	334	10	057	Big Eddy	5	4	1 - 37	S,L,A	Bes6fc93	Bes6fc93as				X	X	X
1993	5/28 - 7/15	334	10	057	Big Eddy	5	4	1 - 45	S,L,A	Bes5sc93	Bes5sc93as			940	X	X	X
1993	6/2 , 6/16	334	10	057	Big Eddy	5	3	1 - 2	S,L,A	Bed5sc93					X	X	X
1993	7/16 - 8/24	334	15	059	Middle Mouth	5	4	1 - 40	S,L,A	Mms6fc93	Mms6fc93as			985	X	X	X
1993	6/2 - 7/15	334	15	059	Middle Mouth	5	4	1 - 42	S,L,A	Mms5sc93	Mms5sc93as			985	X	X	X
1993	7/9 - 7/11	334	20	081	Pilot Station	5	3	1 - 3	S,L,A	Psd6sc93					X	X	X
1993	7/10 - 7/11	334	20	081	Pilot Station	5	3	1 - 4	S,L,A	Psd5sc93	Pstfsc93as				X	X	X
1993	8/3	334	61	088	Manley	5	8	1 - 2	S,L,A	Y6atfwcm	Y6atfwcmas			42	X	X	X
1992	6/20 - 7/3	334	10	080	Emmonak	1	3	1 - 16	S,L,A	Y1c8sc92	App_E01	Table_08		1,156	X	X	X
1992	6/27 - 7/9	334	10	080	Emmonak	1	3	1 - 16	S,L,A	Y1c5sc92	App_E01	Table_08			X	X	X
1992	7/8	334	20	061	St. Mary's	1	3	5-6	S,L,A	Y2c8sc92	App_E04						
1992	6/25 - 6/28	334	20	062	Mountain Village	1	3	2-4	S,L,A	Y2c8sc92	App_E04			178			
1992	6/21	334	20	080	Pilot Station?	1	3	1	S,L,A	Y2c8sc92	App_E04				X		
1992	7/7 - 7/21	334	42	086	Dainty Island	1	8	1 - 17	S,L,A	Y4disc92	App_E08	Table_08			X	X	X
1992	7/7 - 7/17	334	43	095	Ruby	1	8	1 - 13	S,L,A	Y4rusc92	App_E08	Table_08			X	X	X
1992	7/6 - 7/16	334	44	083	Anvik, mouth	1	4	1 - 18	S,L,A	Y4avsc92	App_E08	Table_08			X	X	X
1992	7/9 - 7/15	334	44	083	Paradise Bluff	1	8	1 - 6	S,L,A	MISSING	App_E08	Table_08			X	X	X
1992	7/16	334	45	084	Fox Pt	1	4	1	S,L,A	Y4fpsc92	App_E08				X	X	X
1992	7/5 - 7/16	334	45	084	Simon Pt	1	8	1 - 12	S,L,A	Y4spsc92	App_E08				X	X	X
1992	7/5 - 7/16	334	46	085	Halfway Island	1	8	1 - 16	S,L,A	Y4hisc92	App_E08	Table_08			X	X	X
1992		334	46	87	Kaltag	1	3	1		MISSING	App_E08						
1992	7/11	334	53	093	Rampart	1	8	1	S,L,A	Y4rpsc92	App._E9	Table-_8			X	X	X
1992	7/15	334	53	093	Rampart	1	4	1	S,L,A	Y4rmsc92	App._E9	Table-_8			X	X	X
1992	7/21 - 8/4	334	62	091	Nenana	1	8	1-8	S,L,A	Y6cfsc92	App_E10	Table_16					
1992	9/8 - 9/20	334	62	091	Nenana	1	8	9 - 16	S,L,A	Y6cffc92	App._F5	Table_16			X	X	X
1992	7/7	334	42	086	Galena	2	4	1	S,L,A	Y4glsc92	Table_09				X	X	X
1992	7/6 - 7/16	334	44	083	Anvik	2	4	1-18	S,L,A	MISSING	App_E08				X		
1992	6/30 - 7/2	334	44	083	Anvik Village	2	4	1 - 2	S,L,A	Y4snsc92	App_E08				X	X	X
1992	7/1	334	46	087	Kaltag	2	3	1	S,L,A	Y4ktsc92	App_E08				X	X	X
1992	9/2 - 9/23	334	51	092	Tanana, South Bank	2	8	1 - 20	S,L,A	Y5tssc92	5INCFC92as				X	X	X
1992	8/16 - 9/23	334	52	092	Tanana, North Bank	2	8	21 - 65	S,L,A	MISSING	5INCFC92as				X	X	X
1992		334	53	93	Rampart	2	4	1		Y5cfsc98	App_E10						
1992	7/18 - 8/11	334	62	091	Nenana	2	8	1-9	S,L,A	Y6sfsc92		Table_16					
1992	7/18 - 8/22	334	62	091	Nenana	2	8	1 - 12	S,L,A	MISSING		Table_16			X	X	X
1992	8/29 - 9/1	334	62	090	Nenana	2	8	10 - 20	S,L,A	Y6sffc92	6incfc92as	Table_16			X	X	X
1992	7/17 - 7/18	334	??	???	Anvik Bluff??	3	2	1 - 3	S,L,A	AVBVSC92							
1992	9/6 - 9/14	334	52	100	Sheenjek	3	2	1 - 5	S,L,A	Sheefc92		Table_14		134	X		
1992	7/17 - 7/18	334			Beaver Creek	3	2	1 - 3	S,L,A	Avbvsc92						X	X
1992	7/5 - 7/21	334	10	064	Anvik R	4	2	1 - 14	S,L,A	Anvesc92	Table_09				X	X	X
1992	8/15	334	20	071	Andreafsky, East Fork	4	12	1	S,L,A	Efacsc92					X	X	X
1992	8/15	334	20	063	Andreafsky, West Fork	4	12	4 - 6	S,L,A	Wfacsc92	Table_09	Tabl_10			X	X	X
1992	7/16	334	40	064	Anvik R	4	2	1		MISSING	Table_09					X	X
1992	10/15 - 10/18	334	61	202	Toklat	4		1 - 6	S,L,A	Toklfc92		Table_14		187	X		
1992	8/5 - 8/20	334	63	066	Cheena	4	12	1-3, 0	S,L,A	Chensc92							
1992	8/5 - 8/21	334	63	067	Salcha	4	15	1 - 50	S,L	SALCSC92					X		
1992	8/18	334	63	067	Salcha	4	15	1 - 8	S,L,A	Salesc92					X		
1992	11/4 - 11/12	334	63	089	Delta R	4	12	1 - 5	S,L,A	Deltfc92		Table_14		145	X		
1992	10/30	334	63	209	Bluff Cabin Slough	4	2	1 - 4	S,L,A	Bluffc92		Table_14		145	X		
1992	10/30	334	63	215	Mainstem Tanana	4	2	1 - 3	S,L,A	Tanafc92		Table_14		95	X		
1992	7/23 - 7/25	334			Swift R	4	2	1 - 3		Avswsc92						X	X
1992	7/19 - 7/21	334			Yellow R	4	2,spear	1 - 3	S,L,A	Avylsc92					X	X	X
1992	6/15 - 6/21	334	10	057	Big Eddy	5	3	1 - 6	S,L,A	Bed5sc92		App_E11			X	X	X
1992	6/14 - 7/14	334	10	057	Big Eddy	5	4	1 - 28	S,L,A	Bes5sc92		App_E11			X	X	X
1992	7/16 - 8/24	334	10	057	Big Eddy	5	4	1 - 41	S,L,A	Bes6fc92	Becpuefc	Table_16			X		
1992	6/16 - 7/15	334	10	059	Middle Mouth	5	4	1 - 30	S,L,A	Mms5sc92		App_E11			X	X	X
1992	7/16 - 8/24	334	10	059	Middle Mouth	5	4	1 - 39	S,L,A	Mms6fc92		Table_16			X		
1992	8/25 - 9/17	334	61	088	Manley	5	8	1 - 9	S,L,A	Y6tffc92		Table_16			X	X	X
1992	7/15, 7/29	334	62	091	Nenana	5	8	1 - 2	S,L,A	Y6TFSC92	App_F5	Table_16			X	X	X
1992		334	42	86	Galena	1,2	8	1-17		Y4snsc92	App_E08	Table_08					
1992	7/26	334	40	064	Anvik R			1		MISSING	Table_09					X	X
1992	8/24 - 10/1	334		325	Sheep Rock		8	31902 - 33290	S,L,A	Shrkfc92	App._F06	Table_16			X		X
1992	8/11 - 8/23	334		325	Sheep Rock		8	70681 - 70685	S,L,A	Shrkfc92	App._F06	Table_16			X		X
1992	9/6 - 9/9	334		325	Sheep Rock		8	70696 - 70699	S,L,A	Shrkfc92	App._F06	Table_16			X		X
1992	8/1 - 9/25	334		328	White Rock		8	73309-88400	S,L,A	Whrkfc92	App._F06	Table_16			X		X

(continued)

Appendix Table 1.C7. Yukon Area chum salmon ASL data inventory, 1962-2000. (page 5 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data Files [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1991	7/30 - 8/27	334	10	057	Big Eddy	1	4	1 - 28		~~MISSING~~						X	X
1991	6/17	334	10	80	Emmonak	1	3	6-10		Y102sc91	Y102sc91	Table_08					
1991	6/20	334	10	80	Emmonak	1	3	11-15		Y103sc91	Y103sc91	Table_08					
1991	6/24	334	10	80	Emmonak	1	3	16-20		Y104sc91	Y104sc91	Table_08					
1991	7/1	334	10	80	Emmonak	1	3	21-24		Y105sc91	Y105sc91	Table_08					
1991	7/4	334	10	80	Emmonak	1	3	25-28		Y106sc91	Y106sc91	Table_08					
1991	7/30	334	10	80	Emmonak	1	3	1-4		Y107fc91	Y107fc91	Table_12					
1991	8/2	334	10	80	Emmonak	1	3	5-7		Y108fc91	Y108fc91	Table_12					
1991	8/6	334	10	80	Emmonak	1	3	8-11		Y109fc91	Y109fc91	Table_12					
1991	8/9	334	10	80	Emmonak	1	3	12-15		Y110fc91	Y110fc91	Table_12					
1991	8/16	334	10	80	Emmonak	1	3	16-19		Y112fc91	Y112fc91	Table_12					
1991	8/20	334	10	80	Emmonak	1	3	20-21		Y113fc91	Y113fc91	Table_12					
1991	8/23	334	10	80	Emmonak	1	3	22-25		Y114fc91	Y114fc91	Table_12					
1991	8/27	334	10	80	Emmonak	1	3	26-28		Y115fc91	Y115fc91	Table_12					
1991	6/13 - 7/4	334	10	080	Emmonak	1	3	1 - 28	S,L,A	Y1TTsc91	Y1TTSC91as	Table_08			X		
1991	8/21	334	20	080	Boreal	1		1 - 3		~~MISSING~~						X	X
1991		334	20	73	Marshall	1	3	1-4		Y202sc91	Y202sc91as	Table_08					
1991		334	20	73	Marshall	1	3	5-8		Y203sc91	Y203sc91as	Table_08					
1991		334	20	73	Marshall	1	3	9-12		Y205sc91	Y205sc91as	Table_08					
1991		334	20	73	Marshall	1	3	13-16		Y206sc91	Y206sc91as	Table_08					
1991		334	20	73	Marshall	1	3	1-4		Y214fc91	Y214fc91as						
1991	6/19 - 7/2	334	20	073	Marshall	1	4	1 - 16	S,L,A	Y2TTSC91	Y2TTsc91as	Table_08			X	X	X
1991	6/28 - 7/11	334	42	086	Louden Slough	1	8	1 - 13		~~MISSING~~		Table_12				X	X
1991	7/11	334	43	095	Ruby	1	8	1 - 2		~~MISSING~~		Table_08				X	X
1991	6/27 - 7/15	334	44	083	Anvik (mouth)	1	4	1 - 11	S,L,A	Y4sgsc91	Y4sgsc91as	Table_10			X	X	X
1991	6/26 - 7/14	334	44	083	Paradise Bluff	1	8	1 - 17	S,L,A	Y4cfsc91		Table_12			X	X	X
1991	6/30 - 7/8	334	45	084	Blackburn	1	8	1 - 3	S,L,A	~~MISSING~~					X	X	X
1991	7/4 - 7/15	334	45	084	Fox Pt	1	4	1 - 9	S,L,A	Y4sgsc91	Y4sgsc91as	Table_12				X	X
1991	6/27 - 7/15	334	46	085	Nulato	1	8	1 - 21	S,L,A	Y4cfsc91	Y4cfsc91as					X	X
1991	8/12 - 9/1	334	52	101	Rampart Rapids	1	8	2 - 21	S,L,A	Y5cffc91	Y5cffc91as	Table_12			X	X	X
1991	7/10 - 8/30	334	54	096	Stevens Village	1	8	1 - 6	S,L,A	Y5cffc91	Y5cffc91as	Table_12			X	X	X
1991	7/17 - 9/21	334	62	091	Nenana	1	8	1 - 41	S,L,A	Y6ctfc91	Y6ctfc91as				X	X	X
1991	9/7	334	63	090	Fairbanks	1	8	1 - 2	S,L,A	Y6cffc91	Y6cffc91as	Table_12			X	X	X
1991	7/12	334	45	084	Grayling	2	8	1	S,L,A	~~MISSING~~					X	X	X
1991	6/25	334	45	084	Grayling	2	4	1	S,L,A	Y4cgso91					X	X	X
1991	8/20 - 9/10	334	61	088	Manley	2	8	1 - 17	S,L,A	Y6tsfc91	Y6tsfc91as	Table_12			X	X	X
1991	8/29 - 9/18	334	54	100	Sheenjek River	3	2	1 - 7	S,L,A	SHEEFC91	Sheefc91as				X		
1991	8/6	334	20	071	Andreafsky, East Fork	4	12	1 - 2	S,L,A	Ayesc91	Ayesc91as, AYTTSC91as	Table_10			X	X	X
1991	8/3	334	20	063	Andreafsky, West Fork	4	12	1 - 2	S,L,A	Aywsc91	AYTTSC91as	Table_10			X	X	X
1991	6/27 - 7/24	334	40	064	Anvik R	4	2	1 - 21	S,L,A	Anvksc91	Anvksc91as, Anvik91	Table_08			X	X	X
1991	11/7	334	60	089	Delta River	4	14	1 - 4	S,L,A	DELTFC91							
1991	10/17	334	61	202	Toklat River	4	14	1 - 4	S,L,A	Toklfc91	TOKLFC91as				X		
1991	6/5 - 6/28	334	10	057	Big Eddy	5	3	1 - 5	S,L,A	Be5dsc91	Be5dsc91as	Table_10			X	X	X
1991	7/16 - 8/24	334	10	057	Big Eddy	5	4	1 - 41		~~MISSING~~	Be5sfc91as	Table_10				X	X
1991	7/6 - 7/13	334	10	057	Big Eddy	5	4	36151 - 36163		~~MISSING~~							X
1991	6/2 - 7/15	334	10	057	Big Eddy	5	4	1 - 35		Be5ssc91	Be5ssc91as	Table_10				X	X
1991	7/16 - 8/25	334	10	057	Big Eddy	5	4	1 - 26		Be6sfsc91	BE6SFC91as	Table_10				X	X
1991	8/21 - 8/25	334	10	059	Middle Mouth	5	4	31 - 33	S,L,A	Mm6sfc91	Mm6sfc91as	Table_10			X	X	X
1991	7/16 - 8/19	334	10	059	Middle Mouth	5	4	1 - 31	S,L,A	Mm6sfc91	Mm6sfc91as	Table_10			X	X	X
1991	6/7 - 7/15	334	10	059	Middle Mouth	5	4	1 - 38	S,L,A	Mm5ssc91	Mm5ssc91as	Table_10			X	X	X
1991	7/16 - 8/24	334	10	059	Middle Mouth	5	4	1 - 39	S,L,A	Mm5ssc91		Table_10				X	X
1991	9/12 - 10/5	334		325	Sheep Rock		8	70701 - 72888	A	Shrkfc91	Shrkfc91a, Canawl91as	Table_12					X
1991	8/1 - 9/19	334		328	White Rock		8	73197 - 72901	A	Whrkfc91	Whrkfc91as, Canawl91as	Table_12					X
1990	6/15 - 7/2	334	10	080	Emmonak	1	4	1 - 14	S,L,A	Y1c8sc90	Y1c8sc90as,Emc8sc90as/App_e01,e02	Table__08				X	X
1990	6/19	334	10	080	Emmonak	1	4	1 - 4	S,L,A	Y1c5sc90	Y1c5sc90as,Emc5sc90as/App_e01,e02	Table__08				X	X
1990	7/24 - 8/20	334	10	080	Emmonak	1	4	1-15	S,L,A	Y1c6fc90	Y1c6fc90as/App_f01,f02	Table_12					
1990	6/29	334	20	073	Marshall	1	4	13 - 16	S,L,A	Y2c5sc90	Y2C5SC90as.CMC/App_e04,e05	Table_08				X	X
1990	6/18 - 7/5	334	20	073	Marshall	1	4	1 - 27	S,L,A	Y2c8sc90	Y2c8sc90as/App_e04,e05	Table_08				X	X
1990	6/20	334	20	081	Pilot Station	1	3	5 - 8	S,L,A	Y2c5sc90	Y2C5SC90as		150	146			
1990	8/8 - 8/21	334	20			1	4	1 - 4	S,L,A	Y2c6fc90	Y2c6fc90as					X	X
1990	6/29 - 8/24	334	40	086	Galena	1	8	1 - 18	S,L,A	Y4cwfc90	Y4cwfc90as/App_f08	Table_12				X	X
1990	7/9 - 7/10	334	40	095	Ruby	1	8	1 - 4	S,L,A	Y4cwsc90	Y4cwsc90as/App_e10					X	X
1990	6/27 - 7/2	334	44	083	Anvik	1	4	1 - 9	S,L,A	Y4CGSC90	Y4CGSC90as/App_e09					X	X
1990	6/25 - 7/5	334	45	084	Grayling	1	8	1 - 8		Y4cwsc90	Y4cwsc90as/App_e10	Table_08				X	X
1990	6/28 - 7/1	334	46	065	Halfway Island	1	8	1 - 8		Y4cwsc90	Y4cwsc90as/App_e10					X	X
1990	9/8	334	50	096	Stevens Village	1	8	1 - 4	S,L,A	Y5cwfc90	Y5cwfc90as/App_f09	Table_12				X	X
1990		334	53	307	Yukon Crossing, YT	1		1-4		Y5cwfc90	App_f09						
1990	9/23	334	60	090	Fairbanks	1	8	1 - 3	S,L,A	Y6cwfc90	Y6cwfc90as/App_f10	Table_12				X	X
1990	7/14 - 8/14	334	62	091	Nenana	1	8	1 - 20	S,L,A	Y6cwsc90	Y6cwsc90as/App_e11					X	X
1990		334			Y2 Fall	1			S,A		App_f4						
1990		334			Y3 Fall	1			S,A		App_f6						
1990		334			Y3 Summ	1			S,A		App_e07						
1990		334			Y1 Fall	2			S,A		App_f3						
1990		334			Y1 Summ	2			S,A		App_e03						
1990		334			Y2 Fall	2			S,A		App_f5						
1990		334			Y2 Summ	2			S,A		App_e06						
1990		334			Y3 Fall	2			S,A		App_f7						

(continued)

Appendix Table 1.C7. Yukon Area chum salmon ASL data inventory, 1962-2000. (page 6 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data Files [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1990		334			Y3Summ	2			S,A		App_e08						
1990	8/16 - 8/30	334	40	086	Galena	2	8	1 - 8	S,L,A	Y4swfc90	Y4swfc90as	Table_12				X	X
1990	6/14 - 7/4	334	10	080	Emmonak	3	4	1 - 28	S,L,A	MISSING						X	X
1990		334	20	063	Andreafsky, West	4	12	1-3	S,L,A	Aywxsc90	AYWXSC90as/Table_09	Table_10					
1990	7/16 - 8/27	334	10	057	Big Eddy	5	4	1 - 32	S,L,A	Bet6fc90	Bet6fc90as	App_f11				X	X
1990	6/3 - 7/13	334	10	057	Big Eddy	5	3	1 - 16	S,L,A	Bed5sc90	Bed5sc90as/App_e12					X	X
1990	6/1 - 7/15	334	10	057	Big Eddy	5	4	1 - 38	S,L,A	Bet5sc90	Bet5sc90as/App_e12					X	X
1990	7/16 - 8/22	334	10	059	Middle Mouth	5	4	1 - 29	S,L,A	Mmt6fc90	Mmt6fc90as	App_f11				X	X
1990	6/4 - 7/15	334	10	059	Middle Mouth	5	4	1 - 34	S,L,A	Mmt5sc90	Mmt5sc90as/App_e12					X	X
1990	9/5	334	61	088	Manley	5	8	1 - 3	S,L,A	Matwfc90	Matwfc90as	App_f11				X	X
1990	7/10 - 7/23	334	20	081	Pilot Station	5	3	1 - 12	S,L,A	YST5SC90	YST5SC90as						
1990	6/27 - 7/28	334	40	064	Anvik R	5	2	1 - 19	S,L,A	Avbdsc90	Avbdsc90as/Table_09					X	X
1990	8/1 - 8/4	334	20	071	Andreafsky, East	3 or 4	12	1, 1-3	S,L,A	Ayexsc90	Ayexsc90as/Table_09	Table_10				X	X
1990	8/14 - 9/25	334	62	091	Nenana	3,5	8	21 - 41	S,L,A	Netwfc90	Netwfc90as	App_f11				X	X
1990		334	50	100	Sheenjek					MISSING	Table_13	Table_14					
1990		334	60	089	Delta					MISSING	Table_13	Table_14					
1990		334	60	202	Toklat					MISSING	Table_13	Table_14					
1990	1/9 - 8/31	334		325	Sheep Rock		8	58802 - 58850		MISSING							X
1990	8/21 - 8/25	334		325	Sheep Rock		8	58894 - 58900		MISSING							X
1990	8/25	334		325	Sheep Rock		8	58731 - 58732		MISSING							X
1990	8/20	334		325	Sheep Rock		8	58871		MISSING							X
1990	9/13 - 9/25	334		325	Sheep Rock		8	60851 - 60918		MISSING							X
1990	9/25 - 9/29	334		325	Sheep Rock		8	60958 - 60975		MISSING							X
1990	9/29 - 9/30	334		325	Sheep Rock		8	60987 - 60993		MISSING							X
1990	1/10 - 6/10	334		325	Sheep Rock		8	70671 - 70680		MISSING							X
1990	8/20 - 9/13	334		328	White Rock		8	58714 - 58800		MISSING							X
1990	9/13 - 9/17	334		328	White Rock		8	61201 - 61250		MISSING							X
1990	9/16 - 9/23	334		328	White Rock		8	61391 - 61450		MISSING							X
1990	9/23 - 9/28	334		328	White Rock		8	60919 - 60957		MISSING							X
1990	9/28 - 9/30	334		328	White Rock		8	60976 - 61000		MISSING							X
1990	1/10 - 6/10	334		328	White Rock		8	70651 - 70665		MISSING							X
1990	9/23	334		328	White Rock		8	60911 - 60912		MISSING							X
1989	6/14 - 7/14	334	10	080	Emmonak	1	4	1 - 30	S,L,A	Emc6sc89, Emcsc89	App_e1, e2	Table_8		1,589		1 - 30	18 - 30
1989	8/1 - 8/22	334	10	080	Emmonak	1	4	1 - 12	S,L,A	Emc8sc89, Emcsc89	Emc6fc89as/App_f1	Table_12				X	X
1989	7/15 - 8/22	334	10	080	Emmonak	1	4	1 - 25	S,L,A	Emc6fc89	Emc6fc89as/App_f1	Table_12		893		1 - 25	1 - 20
1989		334	20	073	Marshall	1	4	1 - 10		Y2c8sc89	Y2csc89as					X	X
1989	6/15 - 6/25	334	20	061	St. Marys	1	4	1 - 8	S,L,A	Y2c5sc89	Y2csc89as/App_e4	Table_8				X	X
1989	6/22 - 7/24	334	40	064	Anvik R	1	8	101 - 134	S,L,A	Y4awsc89	Y4sc89as	Table_8				X	X
1989	6/26 - 7/17	334	40	064	Anvik R	1	4	101 - 108	S,L,A	Y4agsc89	Y4sc89as	Table_8				X	X
1989	6/26 - 7/26	334	41	466	Halfway	1	8	1 - 49		Y4cwsc89						X	
1989	8/8 - 9/18	334	50	069	Dawson - Canada	1	4	52444-53129		MISSING						X	X
1989	8/18	334	50	101	Rampart Rapids	1	8	18 - 19	S,L,A	Y5cwfc89	App_f8			62		X	X
1989	7/15 - 9/8	334	60	091	Nenana	1	8		S,L,A	Newsc89	App_f9	Table_12		534		X	X
1989		334			Y2 Fall	1			S,A		App_f3						
1989		334			Y3 Fall	1			S,A		App_f5						
1989		334			Y3 Summ	1			S,A	Y3sc89	App_e6						
1989		334			Y1 Fall	2			S,A		App_f2						
1989		334			Y1 Summ	2			S,A		App_e3						
1989		334			Y2 Fall	2			S,A		App_f4						
1989		334			Y2 Summ	2			S,A		App_e5						
1989		334			Y3 Fall	2			S,A		App_f6						
1989		334			Y3Summ	2			S,A		App_e7						
1989	7/10 - 7/11	334	20	212	Chulitna	3	4	1 - 3	S,L,A	Ckxsc89	Table_9	Table_10		98		X	X
1989	6/26 - 7/26	334	40	064	Anvik R	3	8	1 - 49	S,L,A	MISSING	Table_9	Table_10		593		X	X
1989	7/22	334	40	201	Gisasa	3	4	1 - 3	S,L,A	Gixsc89	Table_9	Table_10		95		X	X
1989	7/20 - 7/21	334	40	203	Melozitna	3	4	1	S,L,A	Mlxsc89	Table_9	Table_10		16		X	X
1989	7/18	334	40	213	Rodo	3	4	1 - 2	S,L,A	Rdxsc89	Table_9	Table_10		97		X	X
1989	7/26	334	40	214	Tozitna	3	4	1 - 3	S,L,A	Tzxsc89	Table_9	Table_10		82		X	X
1989	7/5 - 8/12	334	42	086	Galena, North Bank	3	8	1 - 16	S,L,A	Ganwfc89	App_f7					X	X
1989	7/5 - 8/12	334	43	086	Galena, South Bank	3	8	1 - 11	S,L,A	Gaswfc89	App_f7					X	X
1989	8/10	334	50	099	Fishing Branch	3	19	1 - 2	S,L,A	Fbxfc89	Table_13	Table_14		879		X	X
1989	9/9 - 9/30	334	62	091	Nenana	3	8	1 - 36	S,L,A	Newfc89						X	X
1989	8/18	334	10	071	Andreafsky, East Fork	4	12	1 - 3	S,L,A	Ayexsc89/Andxsc89	Table_9	Table_10		48		X	X
1989	8/18	334	10	063	Andreafsky, West Fork	4	12	1 - 2	S,L,A	Aywxsc89/Andxsc89	Table_9	Table_10		87		X	X
1989	6/27 - 7/22	334	40	064	Anvik R	4	2	1 - 20	S,L,A	Avbsc89/Xagesc89	Xagesc89as					X	X
1989	9/13 - 9/14	334	50	100	Sheenjek	4	2	1 - 3	S,L,A	Shbfc89	Table_13	Table_14		154		X	X
1989		334	50	100	Sheenjek	4	2	1-10		Srxfc89	Table_13	Table_14					
1989		334	60	089	Delta	4	2			Dexfc89	Table_13	Table_14		150			
1989		334	60	202	Toklat	4	2	1-5		Toxfc89	Table_13	Table_14		150			
1989	6/6 - 7/15	334	10	057	Big Eddy	5	4	1 - 21	S,L,A	Bet5sc89	Bet5sc89as	App_e10, e11				1 - 21	15 - 21
1989	7/16 - 8/20	334	10	057	Big Eddy	5	4	1 - 28	S,L,A	Bet6fc89	Bet6fc89as	App_f10				1 - 28	1 - 16
1989	6/9	334	10	057	Big Eddy	5	3	1 - 3		Bed5sc89	Bed5sc89as	App_e10, e11				X	X
1989	7/16 - 8/26	334	10	059	Middle Mouth	5	4	1 - 28	S,L,A	Mmt6fc89	Mmt6fc89as	App_f10				X	X
1989	6/6 - 7/15	334	10	059	Middle Mouth	5	4	1 - 24	S,L,A	Mmt5sc89	Mmt5sc89as	App_e10, e11				X	X
1989	8/2 - 9/12	334	42	095	Ruby, North Bank	5	8	1 - 123	S,L,A	Ruwc89	App_f7					X	X
1988	8/12	334	10	057	Big Eddy	1	3	1	S,L,A	Be8sc88		Be8sc88/App_e11				X	X

(continued)

Appendix Table 1.C7. Yukon Area chum salmon ASL data inventory, 1962-2000. (page 7 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data Files [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1988	5/27 - 7/14	334	10	057	Big Eddy	1	4	1 - 31	S,L,A	Be5sc88		Be5sc88l/App_e11				X	X
1988	6/10 - 8/30	334	10	080	Emmonak	1	4	1 - 144	S,L,A	Y15sc88	Y15sc88/App_e01	Tab_08				1-138	184-144
1988	6/10 - 7/15	334	10	080	Emmonak	1	4	6 - 98		Y16fc88	Y16fc88as/App_f01	Tab_12					X
1988	6/1 - 6/19	334	10	059	Middle Mouth	1	4	1 - 14	S,L,A	Mm5sc88		Mm5sc88l/App_e11				X	X
1988	8/17	334	20	062	Mountain Village	1	4	1 - 8	S,L,A	Y26fc88	App_f03	Tab_12				X	X
1988		334	40	095	Ruby	1	8		S,L,A	~~MISSING~~							X
1988	7/8 - 8/18	334	42	086	Galena, North Bank	1	8	1 - 37	S,L,A	Y4cwsc88	Y4wscas/App_e08	Tab_08/Tab_12					X
1988	7/8 - 8/18	334	43	086	Galena, South Bank	1	8	1 - 36		Y4cwsc88	Y4wscas/App_e08	Tab_08/Tab_12					X
1988	8/10 - 8/31	334	50	102	Haul Road Bridge	1	8	1 - 25	S,L,A	Y5wfc88	Y5wfc88/App_f08	Tab_12				X	X
1988	9/2	334	50	093	Rampart	1	8	27	S,L,A	~~MISSING~~	App_f08					X	X
1988	8/31	334	50	101	Rampart Rapids	1	8	26	S,L,A	~~MISSING~~	App_f08	Tab_12				X	X
1988	8/24	334	62	091	Nenana	1	8	200 - 232	S,L,A	Y6wfc88	Y6wfc88as/App_f09	Tab_12				X	X
1988	7/10 - 7/23	334	62	091	Nenana	1	4	1 - 6	S,L,A	Y6gsc88	Y6gsc88as/App_e09	Y6gl/Tab_08					X
1988	7/10 - 8/17	334	62	091	Nenana	1	8	1 - 180	S,L,A	Y6wsc88	Y6wsc88as/App_e09	Y6wl/Tab_08					X
1988	8/4 - 9/6	334	42	86	Galena, North Bank	2	8	1 - 8	S,L,A	Y4swfc88			70	68		X	
1988	7/5 - 9/2	334	43	86	Galena, South Bank	2	8	1 - 9	S,L,A	Y4swf288			73	73		X	
1988	11/12	334	60	209	Bluff Cabin Slough	3	12			Xbcfc88	Tab_13	XBCFC88L/Tab_14	147				
1988	11/19	334	60	205	Delta	3	12	1-4		Xdefc88	Tab_13	Xdefc88L/Tab_14	150				
1988	6/21 - 7/17	334	20	071	Andreafsky, East Fork	4	2	1 - 22	S,L,A	Xansc88	Tab_09	Xancl/Tab_10	550			X	X
1988	6/26 - 7/22	334	40	064	Anvik R	4	2	1 - 18	S,L,A	Xavsc88	Tab_09	Xavl/Tab_10				X	X
1988	8/4	334	40	201	Gisasa	4	12	1 - 2	S,L,A	Xgisc88	Tab_09	Xgil/Tab_10				X	X
1988	7/30 - 8/1	334	40	065	Nulato, North Fork	4	10, 12	1 - 5	S,L,A	Xnunsc88	Tab_09	Xnuscl/Tab_10	120	111		X	X
1988	7/30 - 8/1	334	40	065	Nulato, South Fork	4	12	1 - 3	S,L,A	Xnussc88	Tab_09	Xnuscl/Tab_10	77	65		X	X
1988	9/20 - 9/27	334	50	100	Sheenjek	4	2	1,2,4		Xshfc88	Tab_13	XShfc88l/Tab_14				X	X
1988	7/30	334	60	067	Salcha	4	*	1 - 2	S,L,A	Xsasc88	Tab_09	Xsal/Tab_10				X	X
1988	10/18	334	60	202	Toklat	4	12	1-4		Xtofc88	Xtofc88as/Tab_13	Xtofc88l/Tab_14	156				
1988		334		099	Fishing Branch R.	4				~~MISSING~~	Tab_13	Tab_14	662				
1988	7/17 - 8/19	334	10	057	Big Eddy	5	4	1 - 31		Be6fc88		Be6fc88l/App_f12				X	X
1988	7/18 - 8/28	334	10	059	Middle Mouth	5	4	1 - 35	S,L,A	Mm6fc88		Mm6fc88l/App_f12				X	X
1988	8/9 - 9/9	334	42	095	Ruby, North Bank	5	8	1 - 92		Ruwfc88	App_f07	Ruwfc88l				X	X
1988		334			Y2 Summ						App_e045						
1988		334			Y3 Summ						App_e067						
1987	6/16 - 6/26	334	10	080	Emmonak	1	4	1 - 28	S,L,A	Y18sch87	Appd1	Tab09	911		X	X	X
1987	6/30 - 7/10	334	10	080	Emmonak	1	4	1 - 20	S,L,A	Y15sch87	Appd1	Tab09	676		X	X	X
1987	8/10 - 9/13	334	42	095	Ruby, North Bank	1	8	1 - 122		Ruwfch87	Appd4					X	
1987	7/19	334	62	091	Nenana	1	8	1 - 5	S,L,A	Newsch87		Appd11	50		X	X	X
1987	7/18 - 7/21	334	63	090	Fairbanks	1	4	1 - 3	S,L,A	Fansch87		Appd11	30		X	X	X
1987	7/14 - 8/15	334	63	090	Fairbanks	1	8	1 - 29	S,L,A	Fawsch87	Appd5		273		X	X	X
1987		334			Y2 Summ	1					Appd2						
1987		334			Y3 Summ	1					Appd3						
1987		334			Y9 Fall	1					Appe1						
1987	6/9 - 6/11	334	10	080	Emmonak	2	4	1 - 3	S,L,A	Y1ssch87	Appd1		43		X	X	X
1987	8/12	334	40	208	Koyukuk	2	4	1	S,L,A	Kysch87	Appd9		9		X	X	X
1987	8/26 - 8/30	334	53	102	Haul Road Bridge	2	8	1 - 32	S,L,A	Y5wfch87	Appe5		1,289		X	X	X
1987		334			Y1 Fall	2					Appe2						
1987		334			Y2 Fall	2					Appe3						
1987		334			Y3 Summ	2					Appd8						
1987		334			Y4 Fall	2					Appe4						
1987		334			Y6 Summ	2					Appd10						
1987		334			Y9 Fall	2					Appe6						
1987	9/3 - 10/4	334	50	099	Fishing Branch	3	19	1 - 32	S,L,A,C	Fifch87	Tab14	Tab15	154				X
1987	11/4	334	50	322	Kluane	3	4	1 - 15	S,L,A,C	Klfch87	Tab14	Tab15	150				X
1987	10/28	334	50	323	Minto	3	4	1-8		Mifch87	Tab14	Tab15	75				X
1987	11/1	334	50	304	Tatchun Creek	3	4	1 - 8	S,L,A,C	Tafch87	Tab14	Tab15	75				X
1987	7/4 - 7/27	334	20	071	Andreafsky, East Fork	4	2	1 - 22	S,L,A	Ansch87	Tab10	Tab11	362		X	X	X
1987	6/27 - 7/24	334	40	064	Anvik R	4	2	1 - 20	S,L,A	Avsch87	Tab10	Tab11	545		X	X	X
1987	8/6 - 8/7	334	40	201	Gisasa	4	12	1 - 2	S,L,A	Gisch87	Tab10	Tab11	34		X	X	X
1987	8/11 - 8/12	334	40	211	Henshaw Creek	4	10	1 - 4	S,L,A	Hesch87	Tab10	Tab11	43		1 - 2	X	X
1987	8/13	334	40	207	Jim R	4	12,2,10	1 - 10	S,L,A	Jisch87	Tab10	Tab11	100		X	X	X
1987	7/28 - 8/14	334	40	065	Nulato, Main Stem	4	*	1- 7	S,L,A	Nusch87	Tab10	Tab11	**196		X	X	X
1987	7/28 - 8/14	334	40	065	Nulato, Main Stem	4	12	1 - 3	S,L,A	Nusch87	Tab10	Tab11	**196		X	X	X
1987	7/28 - 8/14	334	40	065	Nulato, North Fork	4	*	1 - 2	S,L,A	Nusch87	Tab10	Tab11	**196		X	X	X
1987	7/28 - 8/14	334	40	065	Nulato, North Fork	4	12	4 - 5	S,L,A	Nusch87	Tab10	Tab11	**196		X	X	X
1987	7/28 - 8/14	334	40	065	Nulato, South Fork	4	*	1 - 8	S,L,A	Nusch87	Tab10	Tab11	**196		X	X	X
1987	9/3 - 9/5	334	50	210	Chandalar R	4	3	1 - 4	S,L,A,C	Chfch87	Tab14	Tab15	134			X	X
1987	9/18 - 9/21	334	50	100	Sheenjek	4	2	1 - 23	S,L,A,C	Shfch87	Tab14	Tab15	430			X	
1987	10/16	334	60	209	Bluff Cabin Slough	4	gig	1 - 15	S,L,A,C	Bcfch87	Tab14	Tab15	145		X	X	X
1987	10/28	334	60	089	Delta R	4	12,2	1 - 23	S,L,A,C	Defch87	Tab14	Tab15	429		X	X	X
1987	10/19 - 10/20	334	60	202	Toklat	4	12,2	1 - 23	S,L,A,C	Tofch87	Tab14	Tab15	430		X	X	X
1987	7/7	334	10	057	Big Eddy	5	3	1	S,L,A	Bedsch87			28		X	X	X
1987	6/11	334	10	057	Big Eddy	5	4	1	S,L,A	Be8sch87			1		X	X	X
1987	6/7 - 7/15	334	10	057	Big Eddy	5	4	1 - 35	S,L,A	Be5sch87	Appd11		819		X	X	X
1987	7/16 - 8/27	334	10	057	Big Eddy	5	4	1 - 46	S,L,A	Be6fch87	Appe7		670		X	X	X
1987	6/12	334	10	059	Middle Mouth	5	4	1	S,L,A	Mm8sch87			1		X	X	X
1987	6/7 - 7/12	334	10	059	Middle Mouth	5	4	1 - 22	S,L,A	Mm5sch87	Appd11		351		X	X	X
1987	7/15 - 8/28	334	10	059	Middle Mouth	5	4	1 - 38		Mm6fch87	Appe7		679		X	X	X
1987	7/11 - 7/21	334	40		Immoko R	5	4	1 - 9	S,L,A	Insch87	Tab10	Tab11	29		X	X	X
1987	7/3 - 8/21	334	40	086	Galena - Bishop Rock	1 or 2	4 or 8	1 - 10	S,L,A	Y4wsch87	Appd4/d9		120 counts			X	X

(continued)

Appendix Table 1.C7. Yukon Area chum salmon ASL data inventory, 1962-2000. (page 8 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data Files * Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1987	7/3 - 8/21	334	40	086	Galena - Lower Slough	1 or 2	4 or 8	1 - 3	S,L,A	Y4wsch87	Appd4/d9		224 subs			X	X
1987	7/3 - 8/21	334	40	086	Galena, North Bank	1 or 2	4 or 8	1 -13	S,L,A	Y4wsch87	Appd4/d9	Tab09	120 samps			X	X
1987	7/3 - 8/21	334	40	086	Galena, South Bank	1 or 2	4 or 8	1 - 16	S,L,A	Y4wsch87	Appd4/d9		224 subs			X	X
1986	6/14 - 7/15	334	10	080	Emmonak	1	4	1 - 48		Em5sch86	Em5sch86as/App30	Em5sch86l/Tab_09	1,780		X	X	X
1986	6/20 - 7/4	334	10	080	Emmonak	1	4	1 - 27	S,L,A	Em8sch86	Em8sch86as/App30	Em8sch86l	1,000		X	X	X
1986	8/5 - 8/22	334	10	080	Emmonak	1	4	1 - 36	S,L,A	Em6fch86	Em6fch86as/App41	Em6fch86l	1,440		X	X	X
1986	7/3 - 7/29	334	42	086	Galena - Bishop Rock	1	8	1 - 47	S,L,A,C	Gafwch86	Gafwch86as/App33	Gafwch86l	429		X	X	X
1986	9/17 - 9/27	334	50	327	Cliff Creek	1	4	1 - 46	S,L	MISSING			470		X		X
1986	8/21 - 9/19	334	50	329	Moose Rock	1	8	1 - 2	S,L	MISSING	APP44	Tab13	46		X		X
1986	8/7 - 10/5	334	50	325	Sheep Rock	1	8	1 - 63	S,L	MISSING	APP44	Tab13	1,600		X		X
1986	7/23 - 10/3	334	50	328	White Rock	1	8	1 - 65	S,L	MISSING	APP44	Tab13	1,600		X		X
1986	7/26 - 7/27	334	62	091	Nenana	1	8	1 - 10	S,L,A	Nefwch86	Nefwch86as	Nefwch86l/App40	92		X	X	X
1986	7/29 - 9/13	334	63	090	Fairbanks	1	8	1 - 66	S,L,A	Fafwch86	Fafwch86as	Fafwch86l/App49	650		X	X	X
1986	8/5 - 8/6	334	63	090	Fairbanks	1	4	1 - 4	S,L,A	Fagnch86	Fagnch86as	Fagnch86l/App40	40		X	X	X
1986		334			Y2, Fall	1					App42						
1986		334			Y2, Summ	1					App31						
1986		334			Y3, Fall	1					App43						
1986		334			Y3, Summ	1					App32						
1986	7/4	334	42	086	Galena - Bishop Rock	2	4	1	S,L,A,C	Gansch86		App40	8		X	X	X
1986	7/20	334	62	091	Nenana	2	4	1	S,L,A	Negnch86	Negnch86as	Negnch86l/App40	10		X	X	X
1986	9/13	334	63	090													
1986		334			Y1, Fall	2					App45						
1986		334			Y1, Summ	2					App35						
1986		334			Y2, Fall	2					App46						
1986		334			Y2, Summ	2					App36						
1986		334			Y3, Fall	2					App47						
1986		334			Y3, Summ	2					App37						
1986		334			Y4, Summ	2					App38						
1986		334			Y6, Summ	2					App39						
1986		334			Y9	2					App48						
1986	9/5 - 10/16	334	50	099	Fishing Branch	3	19	1 - 74	S,L,A,C	Fbfch86c	Tab14	Tab15	740		X		X
1986	9/13 - 10/8	334	50	099	Fishing Branch	3	19	1 - 20	S,L,A,C	Fbfch86l	Tab14	Tab15	100		X		X
1986	6/27 - 7/15	334	20	071	Andreafsky, East Fork	4	2	1 - 28	S,L,A,C	Andrch86	Andrch86as/Tab10	Tab11	775		X	X	X
1986	6/23 - 7/14	334	40	064	Anvik R	4	2	1 - 22	S,L,A,C	Anvkch86	Anvkch86as/Tab10	Tab11	486		X	X	X
1986	8/15 - 8/18	334	40	207	Jim R	4	12	1 - 14	S,A	MISSING			400		X	X	X
1986	8/15 - 8/18	334	40	208	Koyukuk, South Fork	4	12	1 - 14	S,A	MISSING			400		X	X	X
1986	8/11 - 8/13	334	40	065	Nulato, North Fork	4	12	1 - 16	S,A	MISSING			452		X	X	X
1986	8/9	334	40	065	Nulato, South Fork	4	12	1 - 6	S,A	MISSING			162		X	X	X
1986	10/29 - 10/31	334	50	322	Kluane	4	12	1 - 37		MISSING	Tab14	Tab15	185		X		X
1986	10/21 - 10/22	334	50	323	Minto	4	12	1 - 12	S,L	MISSING	Tab14	Tab15	57		X		X
1986	9/5 - 9/22	334	50	100	Sheenjek	4	12,2	1 - 47	S,L,A,C	Shnjch86	Shnjch86as	Shnjch86l	442		X	X	X
1986	11/4 - 11/14	334	60	089	Delta R	4	12	1 - 46	S,L,A,C	Deltch86	Deltch86as	Deltch86l	442		X	X	X
1986	10/14 - 10/17	334	60	202	Toklat	4	12	1 - 46	S,L,A,C	Tcklch86	Tcklch86as	Tcklch86l	445		X	X	X
1986	6/7 - 7/2	334	10	057	Big Eddy	5	4	1 - 25	S,L,A	Be5sch86	Be5sch86as	Be5sch86l/App40	750		X	X	X
1986	7/16 - 8/25	334	10	057	Big Eddy	5	4	1 - 39	S,L,A	Be6fch86	Be6fch86as	Be6fch86l/App49	883		X	X	X
1986	6/11 - 7/13	334	10	059	Middle Mouth	5	4	1 - 22	S,L,A	Mm5sch86	Mm5sch86as	Mm5sch86l/App40	316		X	X	X
1986	7/15 - 8/27	334	10	059	Middle Mouth	5	4	1 - 23	S,L,A	Mm6fch86	Mm6fch86as	Mm6fch86l/App49	645		X	X	X
1986	7/12 - 7/31	334	20	081	Pilot Station	3,5	3	1 - 20	A	Ysnsch86	Ysnsch86as	Ysnsch86l			X	X	X
1986	7/12 - 7/31	334	20	081	Pilot Station	3,5	3	1 - 19	A	Ysnfch86	Ysnfch86as				X	X	X
1986	8/7 - 9/7	334	42	095	Ruby, North Bank	5	8	1 - 95	S,L,A	Rnfwch86	Rnfwch86as	Rnfwch86l/App49	945		X	X	X
1986	8/7 - 9/23	334	42	095	Ruby, South Bank	3,5	8	101 - 244	S,L,A	Rsfwch86	Rsfwch86as	Rsfwch86l/App49	1,440		X	X	X
1986	6/13 - 6/17	334			Hooper Bay Tagging		4		S,L	MISSING						X	
1985	6/25 - 7/2	334	10	080	Emmonak	1	4	1 - 20	S,L,A	sc1c8			750		X	X	X
1985	7/5 - 7/16	334	10	080	Emmonak	1	4	21 - 48	S,L,A	sc1c6			1,040		X	X	X
1985	7/19 - 8/13	334	10	080	Emmonak	1	4	49 - 79	S,L,A	Fc1c6	Fc1com		1,235		*	X	X
1985	7/11	334	41	085	Nulato	1	8	1 - 4	S,L,A	Scnul85			40		X	X	X
1985	7/9 - 8/12	334	42	086	Galena	1	8	1 - 38	S,L,A	Sc4cw			375		X	X	X
1985	8/19 - 9/9	334	42	086	Galena	1	8	1 - 24	S,L,A	Fc4bw			270		X	X	X
1985	7/29 - 8/9	334	43	086	Galena	1	8	1 - 2	S,L,A	Scgal385			17		X	X	X
1985	8/19 - 9/6	334	43	086	Galena	1	8	3 - 24	S,L,A	Fc4cw			223		X	X	X
1985		334	50	069	Dawson, Canada	1	4	1 - 111		MISSING			555				X
1985	7/23 - 8/13	334	63	090	Fairbanks	1	8	1 - 54	S,L,A	Sc6cfw			530		X	X	X
1985	9/16 - 9/18	334	63	090	Fairbanks	1	8	55 - 76	S,L,A	Fc6cw			220		X	X	X
1985	7/23 - 8/13	334	63	090	Fairbanks	1	4	1 - 4	S,L,A	Sc6cgn			35		X	X	X
1985	7/9 - 7/30	334	42	086	Galena - Bishop Rock	2	4	1 - 5	S,L,A	Sc4sn			42		X	X	X
1985	7/5 - 7/28	334	40	064	Anvik	3	2	1 - 25	S,L,A	Scvik					X		
1985	7/11 - 7/24	334	20	071	Andreafsky, East Fork	3	2	1 - 8	S,L,A	Scand					X		
1985	7/15 - 8/9	334	20	071	Andreafsky, East Fork	4	12	1 - 56	S,L,A	Scand2					X		
1985	10/7	334	50	099	Fishing Branch	4	12	1 - 10		MISSING			*100				X
1985	10/16	334	50	099	Fishing Branch	4	12	1 - 10		MISSING			*100				X
1985	10/29 - 11/1	334	50	322	Kluane	4	12	1 - 63	S,L,A,C	MISSING			630		X		
1985		334	50	309	Koidern R	4	12	1 - 10	S,L,A	MISSING			100		X		X
1985	10/18 - 10/20	334	50	323	Minto	4	12	1 - 10	S,L,A,C	MISSING			180		X		X
1985	9/6 - 9/10	334	50	204	Porcupine R	4	12	1 - 12	S,L,A	MISSING			117		X		X
1985	9/4 - 9/21	334	50	100	Sheenjek	4	12	1 - 20	S,L,A	Fcsheen			700		X	X	X
1985	10/ 29 -	334	50	072	Teslin, Canada	4	12	1 - 9	S,L,A	MISSING			90		X		X

(continued)

Appendix Table 1.C7. Yukon Area chum salmon ASL data inventory, 1962-2000. (page 9 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data Files * Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1985	10/21 - 11/6	334	60	089	Delta R	4	12	1 - 21	S,L,A	Fcdelta			355		X	X	X
1985	10/23 - 10/24	334	60	202	Toklat	4	12	1 - 27	S,L,A	Fctoklat			640		X	X	X
1985	6/16 - 7/3	334	10	057	Big Eddy	5	4	1 - 17	S,L,A	Scbe685			447		X	X	X
1985	6/16 - 6/21	334	10	057	Big Eddy	5	4	1 - 5	S,L,A	Scbe8			29		X	X	X
1985	7/15 - 8/27	334	10	057	Big Eddy	5	4	1 - 31	S,L,A	Fcbe6			524		X	X	X
1985	6/17 - 7/4	334	10	059	Middle Mouth	5	4	1 - 22	S,L,A	Scmm685			555		X	X	X
1985	7/17 - 8/26	334	10	059	Middle Mouth	5	4	23 - 47	S,L,A	Fcmm6			671		X	X	X
1985	7/4 - 7/24	334	41	220	Stink Creek	5	8	1 - 114	S,L,A	Scstink			1,110		X	X	X
1985	8/6 - 9/13	334	42	095	Ruby, North Bank	5	8	1 - 110	S,L,A	Fcrubnb			1,040		X	X	X
1985	8/6 - 9/20	334	43	095	Ruby, South Bank	5	8	101 - 218	S,L,A	Fcrubsb			1,180		X	X	X
1985	8/17 - 9/20	334	61	088	Manley	5	8	501 - 583	S,L,A	Fcmanw			830		X	X	X
1984	6/19 -6/29	334	10	080	Emmonak	1	4	1 - 24	S,L,A	y1sc			940	865	X	X	X
1984	7/3 - 8/17	334	10	080	Emmonak	1	4	1 - 59	S,L,A	y1fc6			2,214		X	X	X
1984	6/21 - 7/2	334	20	073	Marshall	1	4	1 - 20	S,L,A	y2sc			800	728	X	X	X
1984	8/14	334	42	086	Galena	1	4	11 - 12	S,L,A	Y4fcgc					X	X	X
1984	7/9 - 7/27	334	42	086	Galena	1	8	1 - 23	S,L,A	Y4scwc					X		
1984	8/10 - 8/31	334	42	086	Galena	1	8	25 - 59	S,L,A	Y4fcwc					X		
1984	8/14 - 9/21	334	50	069	Dawson, Canada	1	4	1 - 13	S,L,A,C	Dawson			220		1 - 13		1 - 36
1984	8/17 - 8/23	334	52	101	Rampart Rapids	1	8	1 - 14	S,L,A,C	Y52fcwc			114		X	X	X
1984	8/17 - 9/12	334	54	096	Stevens Village	1	8	1 - 7	S,L,A,C	Y53fcwc			53		X	X	X
1984	7/24 - 8/8	334	63	090	Fairbanks	1	8	1 - 38	S,L,A,C	Y6scwc			334		X		X
1984	9/15 - 9/17	334	63	090	Fairbanks	1	8	39 - 47	S,L,A,C	Y6fcwc					X		
1984	7/16 - 8/6	334	43	086	Galena	2	4	1 - 5	S,L,A,C	Y4scgs					X	X	X
1984	8/6	334	43	086	Galena	2	8	24	S,L,A,C	Y4scws					X		
1984	7/16 - 8/28	334	42	086	Galena	2	4	6-10,13-17	S,L,A	Y4fcgs					X	X	X
1984	6/28 - 7/27	334	40	064	Anvik R	3	2	1 - 29	S,L,A	Anvik			353	351	X	X	X
1984	9/1 - 9/9	334	50	100	Sheenjek	3	3	1 - 8	S,L,A,C	Shefc2			*361		X		X
1984	9/3 - 9/24	334	50	100	Sheenjek	3	2	1 - 22	S,L,A,C	Shefc			*361		X		X
1984	7/25 - 7/31	334	20	071	Andreafsky, East Fork	4	12	1 - 12	S,L,A	Andr2			113	112	X	X	X
1984	6/25 - 7/25	334	20	071	Andreafsky, East Fork	4	2	1 - 21	S,L,A	Andr			340	338	X	X	X
1984	10/16 - 10/18	334	50	322	Kluane	4	12	1 - 11	S,L,A,C	Klufc			176		X		
1984	10/16	334	50	322	Kluane	4	12	1 - 10		MISSING			*100				X
1984	10/19	334	50	322	Kluane	4	12	1 - 10		MISSING			*100				X
1984	8/7	334	60	066	Chena R	4	12	1 - 3		MISSING			90		X	X	X
1984	11/2 - 11/6	334	60	089	Delta R	4	12	1 - 6	S,L,A,C	Delfc			143		X		
1984	10/25 - 10/26	334	60	202	Toklat R	4	12	1 - 8	S,L,A,C	Tokfc			183		X		
1984	6/13 - 7/2	334	10	057	Big Eddy	5	4	1 - 4	S,L,A,C	BeSc8			11		X	X	X
1984	6/9 - 7/2	334	10	057	Big Eddy	5	4	1 - 26	S,L,A,C	BeSc5			537		X	X	X
1984	7/20 - 8/28	334	10	057	Big Eddy	5	4	1 - 31	S,L,A,C	BeFc6			408		X	X	X
1984	6/13 - 6/17	334	10	059	Middle Mouth	5	4	1 - 4	S,L,A,C	Mmsc5			85		X	X	X
1984	7/22-8/20	334	10	059	Middle Mouth	5	4	5 - 20	S,L,A,C	Mmfc6			350		X	X	X
1984	6/29 - 7/23	334	41	220	Stink Creek	5	8	1 - 52	S,L,A,C	Scsc			463		X		X
1984	8/10 - 9/5	334	42	095	Ruby, North Bank	5	8	1 - 76	S,L,A,C	Runbfc			722		X		X
1984	8/12 - 9/18	334	43	095	Ruby, South Bank	5	8	1 - 104	S,L,A,C	Rusbfc			950		X		X
1984	8/15 - 9/18	334	61	088	Manley	5	8	1 - 52	S,L,A,C	Manfc			353		X		X
1984	7/9 - 8/31	334	42	086	Galena	1,2	8	1 - 59	S,L,A,C	MISSING			516		X	X	X
1983	6/10 - 6/21	334	10	080	Emmonak	1	4	1 - 28	S,L,A	MISSING			1,000		X	X	X
1983	6/24 - 7/15	334	10	080	Emmonak	1	4	29 - 56	S,L,A	MISSING			1,040		X	X	X
1983	7/19 - 8/12	334	10	080	Emmonak	1	4	58 - 74	S,L,A	MISSING			640		X	X	X
1983	6/13 - 6/23	334	20	061	St. Marys	1	4	1-23,31-34	S,L,A	MISSING			330		X	X	X
1983	6/24 - 7/22	334	41	083	Anvik Village	1	4,8	1 - 102	S,L,A	MISSING			1,020		X		X
1983	6/14 - 7/27	334	41	220	Stink Creek	1	8	1 - 112	S,L,A	MISSING			1,098		X		X
1983	9/14 - 9/25	334	50	069	Dawson	1	4	1 - 67	S,L,W	MISSING			670		X		X
1983	8/31 - 10/2	334	50	325	Sheep Rock - Canada	1	8	1 - 70	S,L,W	MISSING			1,745		X		X
1983	5/8 - 5/9	334	50	320	YRBS - Tagging	1	8	1 - 38	S,L	MISSING			1,000		2 - 38		1 - 38
1983	7/27 - 9/15	334	50	320	YRBS - Tagging	1	8	1 - 18	S,L	MISSING			460		X		X
1983	9/6	334	52	090	Fairbanks	1	8	504 - 512	S,L,A	MISSING			110		X		
1983	9/1	334	53	090	Fairbanks	1	8	1 - 3	S,L,A	MISSING			24		X		
1983	6/21 - 7/18	334	20	071	Andreafsky, East Fork	4	2	1 - 38	S,L,A	MISSING			850		X	X	X
1983	6/24 - 7/23	334	40	064	Anvik R	4	2	1 - 27	S,L,A	MISSING			421		X	X	X
1983	10/18 - 10/20	334	50	322	Kluane	4	12	1 - 31	S,L	MISSING			160		X		X
1983	10/9 -10/15	334	50	323	Minto	4	12	1 - 5	S,L	MISSING					X		X
1983	9/5 - 9/21	334	50	100	Sheenjek	4	12	1 - 18	S,L,A	MISSING			161		X	X	X
1983	8/12 - 8/14	334	60	066	Chena	4	12	1 - 4	S,L	MISSING			127		X	X	X
1983	10/9	334	60	089	Delta R	4	12	1 - 42	S,L,A	MISSING			412		X	X	X
1983	8/6 - 8/9	334	60	067	Salcha	4	12	1 - 7	S,L	MISSING			270		X	X	X
1983	10/18 - 10/19	334	60	202	Toklat R	4	12	1 - 47		MISSING			452		X	X	X
1983	6/4 - 6/23	334	10	057	Big Eddy	5	4	1 - 17	S,L,A	MISSING			72		X	X	X
1983	6/1 - 6/23	334	10	057	Big Eddy	5	4	1 - 22	S,L,A	MISSING			405		X	X	X
1983	7/21 - 8/27	334	10	057	Big Eddy	5	4	1 - 30	S,L,A	MISSING			440		X	X	X
1983	6/18	334	10	059	Middle Mouth	5	4	1	S,L,A	MISSING			12		X	X	
1983	7/26 - 8/26	334	10	059	Middle Mouth	5	4	*5 - 32	S,L,A	MISSING			330		X	X	X
1983	8/4 - 9/13	334	42	095	Ruby, North Bank	5	8	1 - 104	S,L,A	MISSING			1,032		X	X	X
1983	8/4 - 9/14	334	43	095	Ruby, South Bank	5	8	1 - 102	S,L,A	MISSING			986		X	X	X
1983	6/30	334	42	086	Galena	1,2	4,8	1 - 128	S,L,A	MISSING			1,034		X		X
1983	10/23	334	50	324	Ft. Selkirk - Canada			1		MISSING			~1-10				X

(continued)

Appendix Table 1.C7. Yukon Area chum salmon ASL data inventory, 1962-2000. (page 10 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data Files [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1982	6/15 - 7/6	334	10	080	Emmonak	1	4	*1 - 73	S,L,A	MISSING			2,600		X	X	X
1982	6/17 - 7/8	334	20	061	St. Marys	1	4	1 - 29	S,L,A	MISSING			1,000		X	X	X
1982	6/25 - 7/22	334	40	083	Anvik	1	4,8	1-25,27-35	S,L,A,C	MISSING			720		X		X
1982	7/6 - 8/16	334	40	086	Galena	1	8	60 - 74	S,L,A,C	MISSING			363		X		X
1982	6/28 - 7/22	334	41	220	Stink Creek	1	8	38-48,50-59	S,L,A,C	MISSING			598		X		X
1982	7/30 - 10/2	334	50	069	Dawson, Canada	1	4,8	1 - 45	S,L,A	MISSING			388		X		X
1982	10/17 -	334	50	324	Ft. Selkirk - Canada	1	4	1 - 12		MISSING			60		X		X
1982	10/6 - 10/15	334	50	323	Minto	1	4	1 - 13	S,L	MISSING			55		1 - 12		X
1982	8/30 - 9/28	334	50	320	YRBS Tagging	1	4,8	~44	S,L	MISSING			450		X		X
1982	7/20 - 9/18	334	62	091	Nenana	1	8	98-99	S,L,A	MISSING			*79		X		X
1982	7/11 - 9/27	334	60	090	Fairbanks	2	4	*100 - 140	S,L,A,C	MISSING			623		X		X
1982	7/20 - 9/18	334	62	091	Nenana	2	8	95	S,L,A	MISSING			*79		X		X
1982	7/1 - 7/17	334	20	071	Andreafsky, East Fork	4	2	1 - 18	S,L,A,C	MISSING			125		X	X	X
1982	7/24 - 8/17	334	20	071	Andreafsky, East Fork	4	12	1 - 39	S,L,A,C	MISSING			350		X	X	X
1982	8/7	334	20	063	Andreafsky, West Fork	4	12	1	S,L,A,C	MISSING			5		X	X	X
1982	6/28 - 7/31	334	40	064	Anvik R	4	2	1 - 8	S,L,A,C	MISSING			60		X	X	X
1982	7/25 - 8/6	334	40	064	Anvik R	4	12	1 - 35	S,L,A,C	MISSING			350		X	X	X
1982	8/12 - 8/15	334	40	201	Gisasa	4	12	1 - 5	S,L,A,C	MISSING			34		X	X	X
1982	7/1 - 7/20	334	42	203	Melozitna	4	4	1 - 10	S,L,A,C	MISSING			26		X	X	X
1982	10/22	334	50	322	Kluane	4	*	1 - 25	S,L	MISSING			124		1 - 25		[illegible]
1982	9/1 - 9/19	334	50	100	Sheenjek	4	3	1 - 18		MISSING			146		X	X	X
1982	8/14 - 8/17	334	60	066	Chena	4	12	1 - 10	S,L,A,C	MISSING			273		X	X	X
1982	10/28 - 11/10	334	60	089	Delta R	4	12	1 - 23	S,L,A,C	MISSING			230		X	X	X
1982	8/10 - 8/12	334	60	067	Salcha	4	12	1 - 5	S,L,A	MISSING			126		X	X	X
1982	10/22	334	60	097	Toklat R	4	12	1 - 9	S,L,A,C	MISSING			87		X	X	X
1982	6/16 - 7/12	334	10	057	Big Eddy	5	4	1 - 12	S,L,A	MISSING			*260		X	X	X
1982	6/16 - 7/12	334	10	057	Big Eddy	5	4	13	S,L,A	MISSING			*260		X	X	X
1982	6/16 - 7/12	334	10	057	Big Eddy	5	4	14 - 17	S,L,A	MISSING			*260		X	X	X
1982	6/11 - 7/3	334	10	059	Middle Mouth	5	4	2 - 10	S,L,A	MISSING			*440		X	X	X
1982	6/11 - 7/3	334	10	059	Middle Mouth	5	4	11 - 28	S,L,A	MISSING			*440		X	X	X
1982	8/20 - 9/11	334	43	095	Ruby	5	8	21-56,75-94	S,L,A,C	MISSING			1,542		X	X	X
1982	10/20 - 10/22	334	50	321	Ingersoll Is. - Canada			1 - 9	S,L	MISSING			40		1 - 8		1 - 9
1981	6/9 - 8/29	334	10	080	Emmonak	1	4	1 - 13	L,A	MISSING					X	X	X
1981	6/9 - 8/29	334	10	080	Emmonak	1	4	14 - 50	L,A	MISSING					X	X	X
1981	6/9 - 8/29	334	10	080	Emmonak	1	4	51 - 89	L,A	MISSING					X	X	X
1981	6/25 - 7/17	334	40	083	Anvik	1	4,8	150 -181	S,L,A	MISSING					X	X	X
1981	7/1 - 8/21	334	40	086	Galena	1		300 - 316	S,L,A	MISSING			450		[illegible]	X	[illegible]
1981	6/14 - 7/26	334	40	087	Kaltag	1		1-41,43-45	S,L,A	MISSING			1,143		X	X	X
1981	8/5 - 9/16	334	42	095	Ruby, North Bank	1	8	600 - 632	S,L,A	MISSING			*1213		X	X	X
1981	8/5 - 9/16	334	43	095	Ruby, South Bank	1	8	800 - 809	S,L,A	MISSING			*1213		X	X	X
1981	8/27 - 9/19	334	50	069	Dawson	1	4	1 - 95		MISSING			940		X		X
1981	9/2 - 9/23	334	50	100	Sheenjek	1	3	1 - 18	L,A	MISSING			409		X		X
1981	7/1 - 10/3	334	50	092	Tanana	1		451 - 492		MISSING						X	
1981		334	60	091	Nenana	1	8	602 - 631	S,L,A	MISSING			404		X	X	X
1981	7/18 - 8/11	334	20	[illegible]	Andreafsky	4	12	1 - 11	L,A	MISSING			440		X	X	X
1981	7/11 - 7/25	334	40	064	Anvik R	4		1 - 9	L,A	MISSING			360		X	X	X
1981	7/18 - 7/26	334	40	203	Melozitna	4	12	1 - 5		MISSING					X		X
1981	7/5 - 7/24	334	40	203	Melozitna	4	3	1 - 17	L,A	MISSING			254		X		X
1981	9/12 - 9/21	334	50		Cariboo Creek	4		53-56,79-87		MISSING							X
1981	9/14 - 9/23	334	50	326	Cassiar Creek	4		57-66,88-95		MISSING							X
1981	9/9 - 9/18	334	50	327	Cliff Creek	4		26-52,67-76		MISSING							X
1981	11/3	334	60	089	Delta R	4		1 - 2		MISSING						X	
1981	6/10 - 7/6	334	10	083	Big Eddy	5	4	7 - 195	L,A	MISSING					X	X	X
1981	8/9 - 8/22	334	10	059	Middle Mouth	5	4	1 - 5		MISSING					X	X	X
1980	6/10 - 8/18	334	10	080	Emmonak	1	4	1 - 48	L,A	MISSING			*1000		X	X	X
1980	6/10 - 8/18	334	10	080	Emmonak	1	4	49 - 136	L,A	MISSING			*1000		X	X	X
1980	6/24 - 7/21	334	40	083	Anvik	1	4	1-12,16-23	S,L,A	80anvawl			547		X	X	X
1980	6/27 - 9/11	334	41	085	Nulato	1	8	152 - 191	S,L,A	MISSING			672		X	X	X
1980	8/30 - 9/16	334	60	088	Manley	1	8	351-370,372	S,L,A	MISSING			607		X	X	X
1980	8/21 - 9/23	334	60	088	Tanana (Tag #1)	1	8	1 - 13	L,A	MISSING			210		X	X	X
1980	8/13 - 8/23	334	60	088	Tanana (Tag #2)	1	8	1 - 12	L,A	MISSING			216		X	X	X
1980	7/12 - 9/17	334	62	091	Nenana	1	8	802 -870	S,L,A	MISSING			1,105		X	X	X
1980	7/20 - 7/25	334	40	064	Anvik R	4		1A - 12 A	L,A	MISSING			542		X	X	X
1980	10/25 - 11/1	334	60	202	Toklat	4	12	1A - 4D	L,A	MISSING			143		X	X	X
1980	6/11 - 6/23	334	10	057	Big Eddy	5	14	1 - 21	L,A	MISSING			330		X	X	X
1980		334	50	069	Dawson - Canada			270 - 276		MISSING							
1979	6/6 - 7/12	334	10	057	Big Eddy	1	4	6 - 65	L,A	MISSING			*600		X	X	X
1979	6/6 - 7/12	334	10	057	Big Eddy	1	4	11 - 30	L,A	MISSING			*600		X	X	X
1979	6/6 - 8/14	334	10	080	Emmonak	1	4	8 - 59	L,A	MISSING			*1100		X	X	X
1979	6/6 - 8/14	334	10	080	Emmonak	1	4	60 - 142	L,A	MISSING			*1100		X	X	X
1979	6/28 - 7/19	334	41	083	Anvik	1	4,8	2 - 14	S,L,W,A	MISSING			378		X	X	X
1979	7/2 - 8/31	334	42	086	Galena	1	4,8	151 - 197	S,L,W,A	MISSING			1,250		X	X	X
1979		334	50	069	Dawson, Canada	1	4	530		MISSING							X
1979	8/15 - 9/1	334	50	093	Rampart	1		379 - 402	S,L,W,A	MISSING			603		X	X	X

(continued)

Appendix Table 1.C7. Yukon Area chum salmon ASL data inventory, 1962-2000. (page 11 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data Files * Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1979	11/9	334	60	209	Bluff Cabin Slough	1			S,L	MISSING							
1979	8/17 - 10/3	334	60	092	Tanana (Tag #1)	1	8	1 - 12	L,A	MISSING			354		X	X	X
1979	8/15 - 9/30	334	60	092	Tanana (Tag #2)	1	8	1 - 12	L,A	MISSING			352		X	X	X
1979	7/11 - 9/16	334	62	088	Manley	1	4,8	351 - 407	S,L,W,A	MISSING			458		X	X	X
1979	7/11 - 9/17	334	50	092	Tanana	2	8	1 - 364	S,L,A	MISSING			185		1-355	1-355	1-364
1979		334	40	064	Anvik R	4		1A - 15A	L,A	MISSING			600		X		X
1979	10/26	334	60	089	Delta R	4			S,L	MISSING							
1979	10/11 - 10/12	334	60	202	Toklat	4		1 - 19	L,A	MISSING			600		X	X	X
1978	6/9 - 7/15	334	10	080	Emmonak	1	4	13 - 61	L,A	MISSING			*1500		X	X	X
1978	6/9 - 7/15	334	10	080	Emmonak	1	4	64 - 95	L,A	MISSING			*1500		X	X	X
1978	7/19 - 8/12	334	10	080	Emmonak	1	4	70 - 122	L,A	MISSING			700		X	X	X
1978	7/18 - 8/25	334	10	080	Emmonak	1	4	97 - 132	L,A	MISSING			1,500		X	X	X
1978	6/21 - 7/17	334	41	083	Anvik	1	4,8	1 - 28	S,L,W,A	MISSING			420		X	X	X
1978	6/28 - 7/18	334	41	085	Nulato	1	8	451 - 485	S,L,W,A	MISSING			240		X	X	X
1978	6/30 - 8/31	334	42	086	Galena	1	8	458 - 523	S,L,W,A	MISSING			1,250		X	X	X
1978	6/28 - 8/1	334	42	095	Ruby	1	4,8	453 - 489	S,L,W,A	MISSING			120		X	X	X
1978	9/13 - 9/14	334	54	091	Rampart	1	8	829 - 837		MISSING						X	
1978	11/3 - 11/17	334	60	209	Bluff Cabin Slough	1	12	5-7,19-27	S,L,A	MISSING			175		X	X	X
1978	7/8 - 9/20	334	60	088	Manley	1	8	601 - 668	S,L,W,A	MISSING			1,176		X	X	X
1978	7/13 - 9/21	334	62	091	Nenana	1	8	801 - 862	S,L,W,A	MISSING			1,318		X	X	X
1978	5/27 - 6/5	334	10	080	Emmonak	2	4	2 - 12	L,A	MISSING			200		X	X	X
1978	7/19 - 7/24	334	40	064	Anvik R	4	12	1 - 60	L,A	MISSING			600		X	X	X
1978	10/14 - 10/16	334	50	099	Fishing Branch	4		1 - 20	L,A	MISSING			193		X	X	X
1978	10/10 - 10/16	334	50	100	Sheenjek	4		1 - 20	L,A	MISSING			198		X	X	X
1978	11/2 - 11/16	334	60	089	Delta R	4	12	1-4,8-18	S,L,A	MISSING			203		X	X	X
1977	6/21 - 7/16	334	10	080	Emmonak	1	4	13 - 49	L,A	MISSING			*600		X	X	X
1977	6/21 - 7/16	334	10	080	Emmonak	1	4	50 - 69	L,A	MISSING			*600		X	X	X
1977	6/21 - 7/16	334	10	080	Emmonak	1	4	70 - 120	L,A	MISSING			*600		X	X	X
1977	7/1 - 7/6	334	41	083	Anvik	1	4,8	1 - 7	L,A	MISSING			190		X	X	X
1977	7/6 - 8/25	334	41	085	Nulato	1	4,8	205 - 254	S,L,W	MISSING			388		X	X	X
1977	7/8 - 8/11	334	42	086	Galena (Tag #1)	1	8	1 - 7	L,A	MISSING			69		X	X	X
1977	8/8 - 9/5	334	42	086	Galena (Tag #2)	1	8	1 - 12	L,A	MISSING			160		X	X	X
1977	8/10 - 9/21	334	42	095	Ruby Tagging	1	8	1-3,101-107	L,A	MISSING			290		X	X	X
1977	9/22 - 11/16	334	50	060	North Mouth	1		*		MISSING					X	X	X
1977	7/23 - 7/29	334	50	093	Rampart	1	8	503 - 516	S,L,W,A	MISSING			56		X	X	X
1977	7/9 - 9/10	334	51	060,062	Rampart/Tanana	1	4,8	301 - 326	S,L,W,A	MISSING			332		X	X	X
1977	7/13 - 7/26	334	41	085	Nulato	2	8	106,108-113	S,L,A	MISSING			224		X	X	X
1977	7/4 - 8/29	334	42	086	Galena	2	4,8	201 - 258	S,L,W	MISSING			727		X	X	X
1977	8/10 - 8/24	334	42	095	Ruby	2	8	240253	S,L,W	MISSING			27		X	X	X
1977	8/20 - 9/9	334	50	092	Tanana	2	8	601 - 611	S,L,W	MISSING			252		X	X	X
1977	8/3 - 9/30	334	61	088	Manley	2	8	303 - 339	S,L,W,A	MISSING			627		X	X	X
1977	7/23 - 7/30	334	40	064	Anvik R	4	12	1 - 60	L,A	MISSING			600		X	X	X
1977	10/11 - 10/12	334	50	099	Fishing Branch	4		122 - 130	L,A	MISSING			90		X	X	X
1977	10/3 - 10/27	334	50	100	Sheenjek	4		101 - 121	L,A	MISSING			283		X	X	X
1977	10/27 - 11/15	334	60	209	Bluff Cabin Slough	4	12	BC1-BC15		MISSING						X	X
1977	10/6 - 10/26	334	60	089	Delta R	4	*	**	L,A	MISSING			395		X	X	X
1977	8/3 - 9/13	334	60	067	Salcha	4		7 - 16	S,L,A	MISSING			134		X	X	X
1977	11/4	334	60	202	Toklat	4		131 - 153	L,W,A	MISSING			221		X	X	X
1977	6/11 - 7/18	334	10	057	Flat Island	5	4	2 - 65	L,A	MISSING			*1100		X	X	X
1977	6/11 - 7/18	334	10	057	Flat Island	5	4	4 - 82	L,A	MISSING			*1100		X	X	X
1977	7/15 - 9/17	334	62	091	Nenana		8	402 - 463	S,L,W,A	MISSING			1,032		X	X	X
1976	6/18 - 7/14	334	10	080	Emmonak	1	4	60-64,66-70	L,A	MISSING			*900		X	X	X
1976	6/18 - 7/14	334	10	080	Emmonak	1	4	2 - 54	L,A	MISSING			*900		X	X	X
1976	7/17 - 8/7	334	10	080	Emmonak	1	4	71 - 91	L,A	MISSING			800		X	X	X
1976	7/3 - 8/19	334	40	086	Galena	1	8	1 - 17	S,L,W,A	MISSING			300		X	X	X
1976	7/13	334	40	085	Nulato	1	8	5	S,L,W,A	MISSING			30		X	X	X
1976	7/30	334	40	095	Ruby	1	8	3	S,L,A	MISSING			6		X	X	X
1976	7/21 - 9/17	334	51	092	Tanana	1	8	1,6,11-25	S,L,W,A	MISSING			406		X	X	X
1976	11/12	334	60	209	Bluff Cabin Slough	1		1 - 7	S,L,A	MISSING			101		X	X	X
1976	10/20 - 11/1	334	60	089A	Tanana (South Bank)	1	8	1 - 6	S,L,A	MISSING			81		X	X	X
1976	7/13,8/2	334	41	084	Grayling	2	4,8	1 - 2	S,L,W,A	MISSING			38		X	X	X
1976	8/6 - 9/26	334	60	091	Nenana	2	8	1 - 31	S,L,W,A	MISSING			369		X	X	X
1976	7/20 - 10/6	334	61	088	Manley	2	8	1 - 36	S,L,W,A	MISSING			552		X	X	X
1976	7/8 - 7/23	334	40	064	Anvik R	4		1 - 64	L,A	MISSING					X	X	X
1976	9/13 - 10/19	334	50	100	Sheenjek	4	12	1 - 13	L,A	MISSING			179		X	X	X
1976	10/22 - 11/16	334	60	089	Delta R	4		1 - 30	S,L,A	MISSING			371		X	X	X
1976	8/9 - 8/19	334	60	067	Salcha	4		1 - 25	S,L,A	MISSING			314		1 - 24	X	X
1976	10/14 - 10/19	334	60	202	Toklat	4	12	1 - 18	L,A	MISSING			180		X	X	X
1976	6/17 - 7/15	334	10	057	Flat Island	5	4	2 - 49	L,A	MISSING			*700		X	X	X
1976	6/17 - 7/15	334	10	057	Flat Island	5	4	5 - 47	L,A	MISSING			*700		X	X	X
1976	7/7 - 7/17	334	41	083	Anvik	1,2	4,8	1-3,5-6	S,L,A	MISSING			128		X	X	X

(continued)

Appendix Table 1.C7. Yukon Area chum salmon ASL data inventory, 1962-2000 (page 12 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data Files * Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1975	6/14 - 7/15	334	10	080	Emmonak	1	4	52 - 70	L,A	MISSING			*500		X	X	X
1975	6/14 - 7/15	334	10	080	Emmonak	1	4	5 - 44	L,A	MISSING			*500		X		
1975	7/18 - 8/8	334	10	080	Emmonak	1	4	71 - 98	L,A	MISSING			400		X	X	X
1975	6/14 - 7/8	334	12	057	Flat Island	1	4	4 - 25	L,A	MISSING			90		X	X	X
1975	7/15 - 8/18	334	40	086	Galena	1	8	7 - 29	S,L,W,A	MISSING			591	13-29	X	X	X
1975	7/7 - 7/8	334	40	087	Kaltag	1	8	3 - 5	S	MISSING			75		X	X	X
1975	8/28 - 8/29	334	50	093	Rampart	1	8	300 - 305	S,L,W,A	MISSING			163		X	X	X
1975	7/13	334	50	092	Tanana Village	1	8	202	S,L,A	MISSING			7		X	X	
1975	8/5 - 9/9	334	60	088	Manley	1	8	237 - 502	S,L,A	MISSING			1,529		X	X	X
1975	7/22 - 9/19	334	60	091	Nenana	1	8	208 - 538	S,L,A	MISSING			1,342		X	X	X
1975	9/13	334	50	069	Dawson - Canada	3	8	1 - 7		MISSING			65		X		X
1975	7/ -8/1	334	40	064	Anvik R	4		1 - 60	L,A	MISSING			600		X	X	X
1975	9/30 - 10/1	334	50	100	Sheenjek	4	12	1 - 21	L,A	MISSING					X	X	X
1975	8/11	334	60	066	Chena	4		47 - 49		MISSING			30			X	X
1975	10/22 - 11/13	334	60	089	Delta R	4		50 - 70	L,A	MISSING			274		X	X	X
1975	8/13 - 8/28	334	60	067	Salcha	4		20 - 42	L,A	MISSING			282		X	X	X
1974	6/5 - 7/13	334	10	080	Emmonak	1	4	79 - 94	L,A	MISSING			*1100		X	X	X
1974	6/5 - 7/13	334	10	080	Emmonak	1	4	2 - 75	L,A	MISSING			*1100		X	X	X
1974	7/17 - 8/10	334	10	080	Emmonak	1	4	98 - 123	L,A	MISSING			1,200		X	X	X
1974	8/1	334	40	083	Anvik	1		18,23	S,L,A	MISSING			12		X	X	
1974	7/16 - 9/29	334	50	093	Rampart	1	4	5,34,42,53,57	S,L,A	MISSING					X	X	
1974	9/3 - 9/14	334	60	088	Manley	1		27,28,29,41	S,L,A	MISSING					X	X	
1974	7/9 - 9/24	334	60	091	Nenana/Tanana	1	8	2 - 51	S,L,A	MISSING					X	X	
1974	7/11 - 7/25	334	40	064	Anvik R	4	12	1 - 16	L,A	MISSING			450		X	X	X
1974	Fall	334	50	069	Dawson - Canada	4		A - J		MISSING					X		X
1974	Fall	334	50	099	Fishing Branch	4		1 - 10		MISSING					X		X
1974	Fall	334	50	322	Kluane	4		1		MISSING					X		X
1974	10/12 - 10/13	334	50	100	Sheenjek	4		1 - 6	L,A	MISSING			138		X	X	X
1974	8/8	334	60	066	Chena	4		2,3	L,A	MISSING			35		X	X	X
1974	8/8 - 8/18	334	60	067	Salcha	4		1 - 31	S,L,A	MISSING			545		X	X	X
1974	10/2 - 10/4	334	60	202	Toklat	4		1 - 8	L,W,A	MISSING			94		X	X	X
1974	6/1 - 7/9	334	10	057	Flat Island	5	4	2 - 47	L,W,A	MISSING			*970		X	X	X
1974	6/1 - 7/9	334	10	057	Flat Island	5	4	10 - 46	L,W,A	MISSING			*970		X	X	X
1974	6/14 - 8/19	334	60	067	Salcha	smolt			L,W	MISSING							
1973	6/9 - 8/22	334	10	080	Emmonak	1	4	8 - 64	L,A	MISSING			*900		X	X	X
1973	6/9 - 8/22	334	10	080	Emmonak	1	4	66 - 113	L,A	MISSING			*900		X	X	X
1973	7/6 - 7/9	334	20	062	Mountain Village	1	3	1-4,13-15	L,A	MISSING			240		X	X	X
1973	7/12 - 7/16	334	40	091	Nenana	1	8	1 - 2	S,L,A	MISSING			16		X	X	X
1973	8/2 - 8/22	334	50	097	Circle	1		1 - 30	S,L,A	MISSING			340		X		
1973		334	30	064	Anvik R	4	12	1 - 37	S,L,A	MISSING			370		X	X	X
1973	Fall	334	50		Carmacks Fisheries Site	4	4	5 - 9		MISSING			*~300				X
1973	Fall	334	50	099	Fishing Branch	4	4	1 - 4		MISSING			*~300				X
1973	Fall	334	50	313	Pelly R - Canada	4	4	5		MISSING			*~300				X
1973	Fall	334	50		Stewart R - Canada	4	4	3		MISSING			*~300				X
1973	Fall	334	50		White R - Canada	4	4	4 - 10		MISSING			*~300				X
1973	10/20 - 11/12	334	60	089	Delta R	4		1 - 15		MISSING			375			X	X
1973	8/2 - 8/22	334	60	067	Salcha	4		1 - 30		MISSING			380			X	X
1973	6/7 - 7/7	334	10	057	Flat Island	5	4	7 - 86	L,A	MISSING			*950		X	X	X
1973	6/7 - 7/7	334	10	057	Flat Island	5	4	3 - 79	L,A	MISSING			*950		X	X	X
1972	6/14 - 7/1	334	10	080	Emmonak	1	4	2 - 49	L,A	MISSING			500		X	X	X
1972	7/14 - 8/16	334	10	080	Emmonak	1	4	53 - 91	L,A	MISSING			1,240		X	X	X
1972	6/14 - 7/14	334	10	057	Flat Island	1	4	7 - 102	L,A	MISSING			335		X	X	X
1972	7/24 - 8/10	334	60	090	Fairbanks	1	8	5,9	L,A	MISSING			30		X	X	X
1972	7/26 - 8/22	334	60	091	Nenana	1	8	6-8,10,13	L,A	MISSING			90		X	X	X
1972	7/12,20, 8/16	334	60	092	Tanana	1	8	2,4,11,12	L,A	MISSING			82		X	X	X
1972	7/21 - 8/4	334	40	064	Anvik	4		1 - 17	L,A	MISSING			364		X	X	
1972	Fall	334	50		Bean R - Canada	4		1		MISSING			*20				X
1972	Aug	334	50		Bear R - Canada	4		1		MISSING					X		X
1972	Sept	334	50	069	Dawson - Canada	4	8	1	A	MISSING			13		X		X
1972		334	50	099	Fishing Branch - Canada	4		1 - 4	A	MISSING			100		1 - 4		1 - 2
1972	8/20 - 8/26	334	50	301	Nisutlin Fence	4		1 - 3	A	MISSING			55		1 - 3		1 - 2
1972	Fall	334	50		Old Crow - Canada	4		118147		MISSING			*20				X
1972	Fall	334	50		Porcupine - Canada	4		1A		MISSING			*20				X
1972	Fall	334	50	204	Porcupine - Canada	4		1 - 3		MISSING			*20				X
1972	9/16,9/19	334	50	204	Porcupine - Canada	4		1 - 5	A	MISSING			140		1- 5		1 - 3
1972	6/11 - 7/14	334	10	057	Flat Island	5	4	2 - 104	L,A	MISSING			1,000		X	X	X
1972	8/8 - 8/18	334	60	067	Salcha			1 - 26	S,L,A	MISSING			250		X	X	X
1971	6/19 - 7/2	334	10	058	Alakanuk	1	4	5 - 41	L,A	MISSING			350		X	X	X
1971	7/27 - 8/13	334	30	075	Ohogamiut	1	8	219 - 249		MISSING			3,500			X	X
1971	7/27 - 8/4	334	60	091	Nenana	1	8	10 - 30	S,L,W,A	MISSING			75		X	X	X
1971	8/3 - 8/9	334	30	075	Ohogamiut	2	4	1B - 3B	L,A	MISSING			28		X	X	X
1971	6/24 - 7/21	334	30	085	Nulato	4	8	1 - 27	L,A	MISSING			724		X	X	X

(continued)

Appendix Table 1.C7. Yukon Area chum salmon ASL data inventory, 1962-2000. (page 13 of 13).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data Files [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1971	6/14 - 7/10	334	10	057	Flat Island	5	4	12 - 57	L,A	~~MISSING~~			*200		X	X	X
1971	6/14 - 7/10	334	10	057	Flat Island	5	4	3 - 56	L,A	~~MISSING~~			*200		X	X	X
1971	7/4 - 8/9	334	30	075	Ohogamiut	5	4	1A - 5A	L,W,A	~~MISSING~~			37		X	X	X
1970	6/16 - 7/22	334	10	058	Alakanuk	1	4	16 - 66	L,A	Awkcom70			450		X	X	X
1970	6/8 - 6/30	334	10	057	Flat Island	1	4	6 - 74	L,A	Flisca70			275		X	X	X
1970	7/21 - 8/6	334	30	075	Ohogamiut Village	1	8	1 - 13	L,A	ohochu70			104		X		X
1970	6/22 - 7/13	334	30	078	Paimiut Village	1	8	1 - 22	L,A	Paimiu70			503		1 - 21		1 - 22
1970	7/18 - 8/1	334	60	091	Nenana	1	8	18 - 34	L,W,A	Nenach70			240		X	X	X
1970	7/10 - 7/11	334	60	093	Rampart	1	8	5,10	L,W,A	Ramp7och			11		X	X	X
1970	7/8 - 7/16	334	60	092	Tanana	1	8	2,14	L,W,A	70tanach			10		X	X	X
1970	6/11 - 7/7	334	10	057	Flat Island	5	4	14 - 94	L,A	70chumf8			*250		X	X	X
1970	6/11 - 7/7	334	10	057	Flat Island	5	4	18 - 95	L,A	5chum70f			*250		X	X	X
1969	6/24	334	10	057	Flat Island	1	4	5	L,S	Commcatc69							
1969	6/12 - 7/8	334	30	075	Ohogamiut	1	4	12 - 117	L,S	69ohogam					X		
1969	6/4 - 6/28	334	10	057	Flat Island	5	4	3 - 104	L,W,A	69meshg512			1,092		X	X	X
1969	6/4 - 7/7	334	10	057	Flat Island	5	4	4-104	L,S	812ficht69							
1968	7/27 - 8/2	334	10	081	Alstrom Slough	1	4	1 - 16	L,W,A	Alslou68			400		X	X	X
1968	6/5 - 7/4	334	10	057	Flat Island	1	4	2 - 42	L,W,A	68fisc			*1200		X	X	X
1968	6/5 - 7/4	334	10	057	Flat Island	1	4	19 - 43	L,W,A	812flis68			*1200		X	X	X
1968	6/16 - 6/27	334	30	077	Dogfish Village	1	4	4 - 31	S,L,W,A	Dogvil68					X	X	X
1968	6/6-7/15	334	30	075	Ohogamiut	1	8	22647		680hagk							
1968	6/30 - 7/12	334	30	078	Paimiut	1		32 - 64	L,A	Chupai68			540		X	X	X
1968	8/6 - 8/8	334	20	063	Andreafsky, West Fork	4	12	1 - 11	L,W	~~MISSING~~							
1968	8/10	334	40	064	Anvik	4	12	1 - 29	L,W	~~MISSING~~							
1968	6/23 - 8/23	334	60	067	Salcha	4	12	1 - 40	L,W	~~MISSING~~							
1967	7/12 - 7/24	334	10	058	Alakanuk	1	4	1-2,4-9	L,W,A	Chuala67			210		X	X	X
1967	7/25 - 8/2	334	10	080	Emmonak	1	4	10 - 25	L,W,A	Emcoca67			480		X	X	X
1967	6/6 - 7/8	334	10	057	Flat Island	1	4	14 - 83	L,W,A	812com67			*780		X	X	X
1967	6/6 - 7/8	334	10	057	Flat Island	1	4	35 - 72	L,W,A	67com512			*780		X	X	X
1967	7/5 - 7/8	334	10	059	Middle Mouth	1	4	2,3,84,86	L,W,A	Mimota67			100		X	X	X
1966	6/16 - 7/10	334	10	057	Flat Island	1	4	4 - 27	L,W,A	~~MISSING~~			468		X	X	X
1966	6/23 - 7/7	334	10	059	Middle Mouth	1	4	3 - 21	L,W,A	66mmc			185		X	X	X
1966	7/14 - 8/1	334	10	058	Alakanuk	2	4	101 - 120	L,W,A	~~MISSING~~			581		X	X	X
1965	6/13 - 6/27	334	10	057	Flat Island	1		9 - 52	L,W,A	65fisc			886		X	X	X
1964	6/19 - 7/25	334	10	057	Flat Island	1		2 - 34	L,W,A	~~MISSING~~			270		X	X	X
1964	8/1 - 8/2	334	10	058	Alukanuk	1	4	1 - 2	S,L,W,A	64alac			39	35	X		
1963		334	20	081	Pilot Station	3		1 - 46	L,A	~~MISSING~~			860			X	X
1962	6/27 - 7/17	334	40	087	Kaltag			1 - 13		~~MISSING~~			200				X
1961	6/22 - 8/14	334			Lower Yukon R	1	8	1 - 30	L,A	~~MISSING~~			690			X	X

[a] Not all historic electronic data has been located. Data may not have been transferred to electronic media; files may have been corrupted; or missing 5 1/4 disks still need to be located.

[b] All raw data files are of ASCII type, with the exception of 1999-2000 Yukon files having the extension of JUN. These files have been created in Excel.

[c] Refer to tables 1.1-1.6 for descriptions of corresponding file formats.

[d] Missing electronic raw data files.

[e] Age comp and length summary files may be opened with Kedit (PRN, AS, L), Word (DOC, WP, WP5), and Excel (.Wkal, XLS, WK3, WK1, WKS)

[f] RIR - Regional Information Report, TDR - Technical Data Report, TFR - Technical Fisheries Report, AWL - Age, Sex, and Size Composition Report, AMR- Annual Management Report, AAFI - Arctic Anadromous Fish Investigations

[g] Refer to table 1.1 for listing of all ASL source reports.

[h] The last Yukon River ASL report was published April 1996 and contained 1994 data (RIR 3A96-16).

Appendix Table 1.C8. Yukon Area coho salmon ASL data inventory, 1964-2000. (page 1 of 4).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Electronic Data [a] Age Comp. Summary	Electronic Data [a] Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
2001	7/23 - 8/28	334	10	057	Big Eddy	5	3	1 - 28	S,L,A	Be643dgn01	Be643dgn01asl	Be643dgn01asl	143	125	X		
2001		334	44	064	Anvik River				S,L,A	Avk43sf01	Avk43sf01asl	Avk43sf01asl					
2001	8/21 - 9/15	334	20	071	Andreafsky, East Fork	3	19	1 - 17	S,L,A	Aef43wr01	Aef43wr01asl	Aef43wr01asl	321	296	X		
2001	7/24 - 8/28	334	15	059	Middle Mouth	5	3	1 - 41	S,L,A	Mm643dgn01	Mm643dgn01asl	Mm643dgn01asl	274	253	X		
2001	8/6 - 9/9	334	21	062	Mountain Village	5	3	1 - 51	S,L,A	Mtv43dgn01	Mtv43dgn01asl	Mtv43dgn01asl	354	301	X		
2001	9/14	334	62	091	Nenana (Otter Creek)			1 - 4	S,L,A	Ock43cs01	Ock43cs01asl	Ock43cs01asl	40	25	X		
2001	9/20	334	52	092	Tanana	2	8	1	S,L,A	Y5Tv43sbgn01	Y5Tv43sbgn01asl	Y5Tv43sbgn01asl	22	18	X		
2000	7/31-9/17	334	20	071	Andreafsky.East Fork	3	19	1-30	S,L,A	Aef43wr00	Aef43wr00asl			466	X	X	X
2000	9/23-9/24	334		091	Otter Cr. (Nenana)	4	10	1-4	S,L,A	Ock43h100	Ock43h100asl			23	X	X	X
2000	7/23-8/7	334	10	057	Big Eddy	5	4	1-48	S,L,A	Be643sg00	Be643sg00asl			301	X	X	X
2000	7/18-8/19	334	15	059	Middle Mouth	5	4	1-47	S,L,A	Mm643sg00	Mm643sg00asl			344	X	X	X
1999	8/12	334	10	080	Emmonak	1	4	1-4	S,L,A	Y143cm99	Y143cm99asl	Y143cm99asl		40	X	X	X
1999	8/10-9/10	334	40	071	Andreafsky, East Fork	3	19	1-18	S,L,A	Aef43wr99	Aef43wr99asl	Aef43wr99asl		225	X	X	X
1999	7/30-8/31	334	10	057	Big Eddy	5	4	1-32	S,L,A	Be643sg99	Be643sg99asl	Be643sg99asl		147	X	X	X
1999	7/30-8/29	334	15	059	Middle Mouth	5	4	1-41	S,L,A	Mm643sg99	Mm643sg99asl	Mm643sg99asl		293	X	X	X
1998	7/28-9/10	334	20	071	Andreafsky, East Fork	3	19	1-18	S,L,A	Aef43wr98	Aef43wr98asl	Aef43wr98asl		274	X	X	X
1998	11/17	334	60	205	Delta Clearwater R.	4	12	1-21	S,L,A	Dcw43cr98	Dcw43cr98asl	Dcw43cr98asl		200	X		X
1998	7/22-9/7	334	10	057	Big Eddy	5	4	1-54	S,L,A	Bec43sg98	Bec43sg98as			308	X	X	X
1998	7/30-8/28	334	15	059	Middle Mouth	5	4	1-52	S,L,A	Mm643sg98	Mm643sg98as			362	X		X
1997	8/6 - 8/18	334	10	080	Emmonak	1	3	1-60	S,L,A	Y1c6ss97	Y1c6ss97as			600	X	X	
1997	7/2 - 8/28	334	15	059	Middle Mouth	1	4	1 - 36	S,L,A	Mmt6ss97	Mmt6ss97as			211	X	X	
1997	9/2	334	43	095	Ruby	1	8	1 - 3	S,L,A	Y4rfws97	Y4rfws97as			19	X	X	
1997	8/12 - 9/10	334	20	071	Andeafsky, East Fork	3	19	1A - 26D	S,L,A	Aefwes97	Aefwes97as			555	X	X	
1997	10/6-11/12	334	60	205	Delta Clearwater R.	4	20	1 - 40	S,L,A	Dcrecs97	Dcrecs97as			332	X		
1997	7/26 - 8/29	334	10	057	Big Eddy	5	4	1 - 40	S,L,A	Bet6ss97	Bet6ss97as			234	X	X	X
1996	8/6-8/22	334	10	080	Emmonak	1	3	1-67	S,L,A	Y1c6ss96	Y1c6ss96as			668	X		
1996	8/6-9/6	334	20	071	Andreafsky, East Fork	3	19	1-40	S,L,A	Aefwes96	Aefwes96as			317	X		
1996	11/4-11/15	334	63	205	Delta Clearwater R.	4	12	1-37	S,L,A	Dcrecs96	Dcrecs96as			368	X		
1996	7/23-8/28	334	10	057	Big Eddy	5	4	1-44	S,L,A	Bet6ss96	Bet6ss96as			260	X		
1996	7/24-8/27	334	15	059	Middle Mouth	5	4	1-86	S,L,A	Mmt6ss96	Mmt6ss96as			720	X		
1995	7/31 - 8/18	334	10	080	Emmonak	1	3	1 - 80	S,L,A	Y1urco95	Y1urco95as			664	X		
1995	8/21 - 9/8	334	20	071	Andeafsky, East Fork	3	19	1 - 50	S,L,A	Adwrco95	Adwrco95as			356	X		
1995	11/1 - 11/21	334	60	205	Delta Clearwater R	4	12	1 - 37	S,L,A	Dchpco95	Dclpco95as			335	X		
1995	7/25 - 8/26	334	10	057	Big Eddy	5	4	1 - 30	S,L,A	Bes6co95	Bes6co95as			173	X		
1995	7/27 - 8/26	334	10	059	Middle Mouth	5	4	1 - 49	S,L,A	Mms6co95	Mms6co95as			323	X		
1994	11/6	334	63	205	Delta Clearwater R	4	12	1 - 39	S,L,A	Dclrco94	Table_16	Table_17		317	X	X	X
1994	7/21-8/18	334	10	057	Big Eddy Test Fish	5	4	1 - 53	S,L,A	Bes6co94				437	X	?	?
1994	7/24 - 8/18	334	10	059	Middle Mouth	5	4	1 - 50	S,L,A	Mms6co94				752	X	X	X
1994	8/27 - 9/8	334	20	081	Pilot Station	5	3	1 - 11	S,L,A	Ps55co94				*	X	X	X
1994	8/30 - 9/8	334	20	081	Pilot Station	5	3	1 - 4	S,L,A	Ps50co94				*	X	X	X
1994	8/28 - 9/8	334	20	081	Pilot Station	5	3	1 - 6	S,L,A	Ps65co94				*	X	X	X
1993	11/8	334	63	205	Delta Clearwater R	4	12	1 - 30	S,L,A	Dcrco94	DCRCO94as		299	275	X		
1993	7/27 - 8/24	334	10	057	Big Eddy	5	4	1 - 31	S,L,A	Bes6co93	BES6co93as				X	X	X
1993	7/31 - 8/24	334	10	059	Middle Mouth	5	4	1 - 53	S,L,A	Mms6co93					X	X	X
1992	9/8 - 9/20	334	62	091	Nenana	1	8	1 - 17	S,L,A	Y6cfco92	App_G04	Table_16			X	X	X
1992	8/29 - 9/1	334	62	090	Nenana	2	8	1 - 2	S,L,A	Y6sfco92	App_G04	Table_16			X	X	X
1992	11/8 - 11/17	334	63	205	Delt Clearwater R	4	12	1 - 29	S,L,A	Deltco92		Table_16			X		X
1992	7/21 - 8/24	334	10	057	Big Eddy	5	4	1 - 42	S,L,A	Bes6co92	App_G01	App_G05			X	X	X
1992	7/19 - 8/24	334	10	059	Middle Mouth	5	4	1 - 53	S,L,A	Mms6co92	App_G01	App_G05			X	X	X
1992	9/2 - 9/17	334	61	088	Manley	5	8	1 - 12	S,L,A	Y6TFCO92	App_G04	App_G05			X	X	X

(continued)

Appendix Table 1.C8. Yukon Area coho salmon ASL data inventory, 1964-2000. (page 2 of 4).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1991	7/28 - 8/25	334	10	057	Big Eddy	1	4	1 - 22	S,L,A	~~MISSING~~	Be6sco91				X	X	X
1991	7/30 - 8/27	334	10	080	Emmonak	1	4	1 - 45	S,L,A	~~MISSING~~	Y16tco91				X	X	X
1991	9/7 - 9/21	334	62	091	Nenana	1	8	1 - 9	S,L,A	Y6cfco91	Y6cfco91				X	X	X
1991	8/20 - 9/4	334	60	088	Manley	2	8	1 - 6	S,L,A	Y6tsco91	Y6tsco91				X	X	X
1991	11/13	334	63	205	Delta Clearwater R	4	12	1 - 39	S,L,A	~~MISSING~~	Deltco91				X		X
1991	7/27 - 8/24	334	15	059	Middle Mouth	5	4	1 - 25	S,L,A	MMT6SS96					X	X	X
1991	7/26 - 8/24	334	10	059	Middle Mouth	5	4	1 - 23	S,L,A	Mm6sco91					X	X	X
1990	Aug	334	10	080	Emmonak	1	4	1 - 18	S,L,A	Y1c6co90	Y1c6co90as/App_g01	Table_16			X	X	X
1990	Sept	334	60	090	Nenana	1	8	1	S,L,A	Y6cwco90	Y6cwco90as/App_g09	Table_16			X	X	X
1990		334			Y2	1					App_g03						
1990		334			Y3	1					App_g05						
1990		334			Y1	2					App_g02						
1990		334			Y2	2					App_g04						
1990		334			Y3	2					App_g06						
1990	11/23	334	60	205	Delta Clearwater R	4	8	1 - 11	S,L,A	~~MISSING~~	Dexco90as	Table_17			X	X	X
1990	Aug	334	10	057	Big Eddy	5	4	1 - 38	S,L,A	Bet6co90	Bet6co90as	App_g08			X	X	X
1990	Aug	334	10	059	Middle Mouth	5	4	1 - 31	S,L,A	Mmt6co90	Mmt6co90as	App_g08			X	X	X
1990	Sept	334	60	088	Manley	5	8	1 - 2	S,L,A	Matwco90	Matwco90as				X	X	X
1989	8/1 - 8/22	334	10	080	Emmonak	1	4	1 - 54		Emc6co89	Emc6co89as/App_g1	Table_16	541	483		X	X
1989	9/9 - 9/10	334	62	091	Nenana	1	8	1 - 10	S,L,A	Newco89	App_g7	Table_16	372	266	X	X	X
1989		334			Y2	1					App_g3						
1989		334			Y3	1					App_g5						
1989		334			Y1	2					App_g2						
1989		334			Y2	2					App_g4						
1989		334			Y3	2					App_g6						
1989	11/22	334	60	205	Delta Clearwater R	4	12	1 - 20	S,L,A	Dexco89		Table_17	196	170	X	X	X
1989	7/26 - 8/25	334	10	057	Big Eddy	5	4	1 - 24	S,L,A	Bet6co89	Bet6co89as	App_g8	139	126	X	X	X
1989	7/30 - 8/26	334	10	059	Middle Mouth	5	4	1 - 31	S,L,A	Mmt6co89	Mmt6co89as	App_g8	284	249	X	X	X
1989	9/9 - 9/12	334	42	095	Ruby	5	8	1 - 4	S,L,A	Ruwco89	Ruwco89	App_g8	13	11	X	X	X
1988	8/9 - 8/30	334	10	080	Emmonak	1	4	1 - 74	S,L,A	Y16co88	Y16co88as/Appg	Y16co88l/Tab_16			X	X	X
1988	8/31	334	62	091	Nenana	1	8	0 - 17	S,L,A	Y6wco88	Appg/App_g08	Y6wco88l/Tab_16			X	X	
1988		334			Y2	1			A,S		App g056	Tab 15					
1988		334			Y3	1			A,S		App g034	Tab 15					
1988	8/26 - 8/30	334	42	086	Galena	2	8	1-6	S,L,A	Y4cwco88	Appg/App_g07	Y4col/Tab_16			X	X	
1988	9/2 - 9/6	334	42	086	Galena	2	8	1-3	S,L,A	Y4swco88	Appg/App_g07	Y4col/Tab_16			X	X	
1988	11/11	334	40	205	Delta Clearwater R	4	12	1 - 27	S,L,A	Xdeco88		Xdeco88l/Tab_17			X		X
1988	7/18 - 8/25	334	10	057	Big Eddy	5	4	1 - 39	S,L	Be6co88		Be6co88L			X	X	X
1988	7/28 - 8/27	334	10	059	Middle Mouth	5	4	1 - 42	S,L,A	Mm6co88		Mm6co88L			X	X	X
1987	12/4	334	60	205	Delta Clearwater R	4	gig	1 - 28	S,L,A,C	DCCoh87	Tab16	Tab16		221	X	X	X
1987	7/30 - 8/26	334	10	057	Big Eddy	5	4	1 - 54	S,L,A,C	Be6coh87	Appf1	Appf1		381	X	X	X
1987	8/3 - 8/27	334	10	059	Middle Mouth	5	4	1 - 22	S,L,A,C	Mm6coh87	Appf1	Appf1		132 aged	X	X	X
1986	8/5 - 8/22	334	10	080	Emmonak	1	4	1 - 61	S,L,A	Emcoho86	App50	Tab17		587	X	X	X
1986	9/13	334	63	090	Fairbanks	1	8	1	S,L,A	Fafwco86	App56			10	X	X	X
1986		334			Y2	1			A,S		App51						
1986		334			Y3	1			A,S		App52						
1986		334			Y1	2			A,S		App53						
1986		334			Y2	2			A,S		App54						
1986		334			Y3	2			A,S		App55						
1986	12/4	334	60	205	Delta Clearwater R	4	12	1 - 30	S,L,A	Delco86	Tab18			300	X	X	X
1986	7/31 - 8/4	334	10	057	Big Eddy	5	4	1 - 4	S,L,A	Becoho86	App56			8	X	X	X
1986	7/20 - 8/27	334	10	059	Middle Mouth	5	4	1 - 12	S,L,A	Mmcoho86	App56			56	X	X	X
1986	8/17 - 9/6	334	42	095	Ruby (North Bank)	5	8	1 - 7	S,L,A	Rnfwco86	App56			7	X	X	X
1986	8/18 - 9/23	334	43	095	Ruby (South Bank)	5	8	101 - 181	S,L,A	Rsfwco86	App56			745	X	X	X
1985	8/2 - 8/13	334	10	080	Emmonak	1	4	1 - 56	S,L,A	Co1c6	Co1com			520	X	X	X
1985	9/16	334	63	090	Fairbanks	1	8	1 - 4	S,L,A	Co6cfw				40	X	X	X
1985	11/13 - 11/18	334	60	205	Delta Clearwater R	4	12	1 - 35	S,L,A	Codclwtr				350	X	X	X
1985	7/23 - 8/27	334	10	057	Big Eddy	5	4	1 - 36	S,L,A	Cobe6				283	X	X	X
1985	7/28 - 8/26	334	10	059	Middle Mouth	5	4	2- 15	S,L,A	Comm6				88	X	X	X
1985	8/13 - 8/28	334	42	095	Ruby (North Bank)	5	8	1 - 5	S,L,A	Corubnb				7	X	X	X
1985	8/21 - 9/20	334	43	095	Ruby (South Bank)	5	8	101 - 165	S,L,A	Corubsb				658	X	X	X
1985	8/22 - 9/20	334	61	088	Manley	5	8	1 - 42	S,L,A	Coman				333	X	X	X
1985	8/20 - 9/9	334	42	095	Galena	1,2	8	1 - 5	S,L,A	~~MISSING~~	Co1sub1			91		X	
1985	8/20 - 9/9	334	43	095	Galena	1,2	8	1 - 11	S,L,A	~~MISSING~~				91	X	X	X

(continued)

Appendix Table 1.C8. Yukon Area coho salmon ASL data inventory, 1964-2000. (page 3 of 4).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Electronic Data [a] Age Comp. Summary	Electronic Data [a] Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1984	7/31 - 8/17	334	10	080	Emmonak	1	4	1 - 70	S,L,A,C	Y1co			694	619	X	X	X
1984	8/13 - 8/20	334	10	059	Middle Mouth	1	4	1 - 12	S,L,A,C	Mmco				206	X	X	X
1984	9/15 - 9/17	334	63	090	Fairbanks	1	4	1 - 2		MISSING				10		X	
1984	9/15 - 9/17	334	63	090	Fairbanks	1	8	1 - 2		MISSING				3		X	
1984	11/5 - 11/15	334	60	205	Delta Clearwater R	4	12	1 - 31	S,L,A,C	Dcwco				304	X	X	X
1984	7/27 - 8/28	334	10	057	Big Eddy	5	4	1 - 46	S,L,A,C	Beco				304	X	X	X
1984	9/4 - 9/18	334	61	088	Manley	5	8	1 - 22	S,L,A,C	Manco				198	X		X
1984	8/13	334	40	064	Anvik R	7	10	1	S,L,A	MISSING				2	X	X	X
1984	9/2 - 9/5	334	42	095	Ruby (North Bank)		8	1 - 4	S,L,A,C	Runbco				35	X		X
1984	8/21 - 9/18	334	43	095	Ruby (South Bank)		8	1 - 52	S,L,A,C	Rusbco				486	X		X
1983	7/29 - 8/12	334	10	080	Emmonak	1	4	1 - 17	S,L,A	MISSING				148	X	X	X
1983	8/29 - 9/13	334	42	095	Ruby (North Bank)	1	8	1 - 11	S,L,A	MISSING				36	X	X	X
1983	8/21 - 9/14	334	43	095	Ruby (South Bank)	1	8	1 - 31	S,L,A	MISSING				236	X	X	X
1983	8/29	334	42	086	Galena (North Bank)	2	4	107	S,L,A	MISSING				5	X		X
1983	8/14 - 8/27	334	10	057	Big Eddy	5	4	1 - 24	S,L,A	MISSING				169	X	X	X
1983	8/15 - 8/26	334	10	059	Middle Mouth	5	4	1 - 12A		MISSING				277	X	X	X
1982	7/27 - 8/13	334	10	080	Emmonak	1	4	2 - 28	S,L,A	MISSING				262	X	X	X
1982	9/18 - 9/19	334	62	091	Nenana	1	8	96,97	S,L,W,A	MISSING				60	X		X
1982	9/12 - 10/2	334	63	090	Fairbanks	2	4	125 - 142		MISSING				203	X		X
1982	8/15 - 9/1	334	10	083	Big Eddy	5	4	1 - 29	S,L,A	MISSING				234	X	X	X
1982	8/1 - 8/30	334	10	059	Middle Mouth	5	4	1-2,4-35	S,L,A	MISSING				304	X	X	X
1981	9/2 - 9/16	334	40	095	Ruby	1	8	1 - 16		MISSING						X	X
1981	8/4 - 8/31	334	10	080	Emmonak	5	4	1 - 48	L	MISSING					X	X	X
1981	8/9 - 8/26	334	10	059	Middle Mouth	5	4	1 - 14	L,A	MISSING					X	X	X
1980	8/14 - 8/19	334	10	080	Emmonak	1	4	120-130,135	L,A	MISSING				110	X		X
1980	9/6 - 9/9	334	62	091	Nenana	1	8	863	S,L,A	MISSING				27	X	X	X
1980	9/5 - 9/23	334	60	080	Tanana Tagging #1	3	8	5 - 14	L,W,A	MISSING				210	X	X	X
1980	9/4 - 9/23	334	60	088	Tanana Tagging #2	3	8	2 - 14	L,A	MISSING				142	X	X	X
1980	9/16	334	61	088	Manley			371	S,L,W,A	MISSING				30	X	X	X
1979	7/27 - 8/14	334	10	080	Emmonak	1	4	114 - 144	L,A	MISSING				300	X	X	X
1979	8/21	334	40	086	Galena	1		190	S,L,A	MISSING				2	X	X	X
1979	8/23 - 9/16	334	60	088	Manley (Tanana Tag #1)	1	8	S1 - S5	L,A	MISSING				137	X	X	X
1979	8/29 - 9/15	334	62	091	Nenana	1	8	846 - 862	S,L,W,A	MISSING				78	X	X	X
1979	9/16 - 9/17	334	50	092	Tanana	2	8	5,8	S,L,A	MISSING				13	X	X	X
1978	8/11 - 8/25	334	10	080	Emmonak	1	4	1.23126E+11	L,A	MISSING				27	X	X	X
1978	9/1 - 9/19	334	40	095	Ruby	1		1 - 3		MISSING				50		X	
1978	9/16	334	60	092	Tanana	1		1 - 2		MISSING				26		X	
1978	9/13 - 9/21	334	62	091	Nenana	1	8	841 - 863	S,L,W,A	MISSING				329	X	X	X
1978	8/29 - 9/20	334	61	088	Manley	2	4,8	652 - 666	S,L,W,A	MISSING				61	X		X
1977	8/2 - 8/23	334	10	080	Emmonak	1	4	90 - 119	L,A	MISSING				76	X	X	X
1977	9/15 - 9/24	334	61	088	Manley	1	8	331337	S,L,A	MISSING				55	X	X	X
1977	9/9 - 9/17	334	62	091	Nenana	1	8	457459464	S,L,A	MISSING				22	X	X	X
1977	8/23 - 9/8	334	42	095	Ruby Tagging	3	8	1 - 4		MISSING				111	X	X	X
1977	10/6	334	60	089	Delta R	4	gig	D1,D2		MISSING						X	X
1976	8/7	334	10	080	Emmonak	1	4	92	L,A	MISSING				30	X	X	X
1976	9/15	334	50	092	Tanana	1		23		MISSING						X	
1976	8/25 - 10/6	334	60	088	Manley	1	8	5.03519E+11	S,L,W,A	MISSING				24	X	X	X
1976	9/4 - 9/23	334	62	091	Nenana	2	8	8 - 25	S,L,A	MISSING				98	X		X
1976	11/17	334	60	205	Delta Clearwater R	4		1 - 27	S,L,A	MISSING				28	1	1	1
1975	9/3 - 9/9	334	60	088	Manley	1	8	291-299,500,503	S,L,A	MISSING				187	X	X	X
1975	9/17 - 9/18	334	60	091	Nenana	1	8	310525531		MISSING				30	X	X	X
1974	7/31 - 8/10	334	10	080	Emmonak	1	4	107 - 127	L,A	MISSING				300	X	X	
1974	9/3	334	60	088	Manley	1		30	S,L,A	MISSING				9	X	X	X
1974	9/11 - 10/15	334	60	091	Nenana	1	8	35 - 63	S,L,A	MISSING				256	X	X	X
1974	9/14 - 10/2	334	50	093	Rampart	2	4	43 - 60	S,L,A	MISSING				44	X	X	X
1974	6/14 - 8/19	334	60	067	Salcha	smolt			L,W	MISSING							
1974	8/8 - 8/9	334	60	067	Salcha	smolt		4 - 7		MISSING					X		

(continued)

Appendix Table 1.C8. Yukon Area coho salmon ASL data inventory, 1964-2000. (page 4 of 4).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1973	8/8 - 8/22	334	10	080	Emmonak	1	4	95, 113-118	L,A	~~MISSING~~				200	X	X	X
1972	8/5 - 8/16	334	10	080	Emmonak	1	4	80,82,85-88	L,A	~~MISSING~~				120	X	X	X
1970	7/7	334	10	057	Flat Island	5	4	96	L	~~MISSING~~				1	X	X	X
1967	8/12 - 8/15	334	10	080	Emmonak	1		1 - 3	L,W,A	~~MISSING~~				90	X	X	X
1964	8/15	334	10	058	Alakanuk	1	4	100 - 101	L,W,A	~~MISSING~~				60	X	X	X

[a] Not all historic electronic data has been located. Data may not have been transferred to electronic media; files may have been corrupted; or missing 5 1/4 disks still need to be located.

[b] All raw data files are of ASCII type, with the exception of 1999-2000 Yukon files having the extension of JUN. These files have been created in Excel.

[c] Refer to tables 1.11-1.6 for descriptions of corresponding file formats.

[d] Age comp and length summary files may be opened with Kedit (PRN, AS, L), Word (DOC, WP, WP5), and Excel (WKAL, XLS, WK3, WK1, WKS)

[e] RIR - Regional Information Report, TDR - Technical Data Report, TFR - Technical Fisheries Report, AWL - Age, Sex, and Size Composition Report, AMR- Annual Management Report, AAFI - Arctic Anadromous Fish Investigations

[f] Refer to table 1.1 for listing of all ASL source reports.

[g] The last Yukon River ASL report was published April 1996 and contained 1994 data (RIR 3A96-16).

Appendix Table 1.C9. Yukon Area sockeye salmon ASL data inventory, 1979-1998.

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1998	7/18	334	46	065	Nulato	3	2	1	S,L,A	~~MISSING~~			1		X		
1995	6/25	334	44	083	Anvik	2	4	1	S,L,A	~~MISSING~~			1		X		
1995	7/25-8/1	334	20	071	Andreafsky	3	19	1-2	S,L,A	~~MISSING~~			3		X		
1991	7/8	334	45	084	Eagle Island	1	4	1	S,L,A	Y4cgso91			2	1	X	X	X
1982	7/23	334	10	080	Emmonak	1	4	1	S,L,A	~~MISSING~~						X	X
1982	8/7	334	40	064	Anvik R	4	12	1	S,L,A	~~MISSING~~						X	X
1979	7/3	334	10	080	Emmonak	1	4	121B	S,L,A	~~MISSING~~						X	X

a Not all historic electronic data has been located. Data may not have been transferred to electronic media; files may have been corrupted; or missing 5 1/4 disks still need to be located.

b All raw data files are of ASCII type, with the exception of 1999-2000 Yukon files having the extension of JUN. These files have been created in Excel.

c Refer to tables 1-6 for descriptions of corresponding file formats.

d Age comp and length summary files may be opened with Kedit (PRN, AS, L), Word (DOC, WP, WP5), and Excel (WKAL, XLS, WK3, WK1, WKS)

e RIR - Regional Information Report, TDR - Technical Data Report, TFR - Technical Fisheries Report, AWL - Age, Sex, and Size Composition Report, AMR- Annual Management Report, AAFI - Arctic Anadromous Fish Investigations

f Refer to table 1 for listing of all ASL source reports.

g The last Yukon River ASL report was published April 1996 and contained 1994 data (RIR 3A96-16).

Appendix Table 1.C10. Yukon Area pink salmon ASL data inventory, 1970.
No historic electronic Yukon Area pink salmon raw ASL data files have been located.

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1970	6/23	334	10	057	Flat Island	5	4	54	L,A	~~MISSING~~			1		X	X	X

[a] Not all historic electronic data has been located. Data may not have been transferred to electronic media; files may have been corrupted; or missing 5 1/4 disks still need to be located.
[b] All raw data files are of ASCII type, with the exception of 1999-2000 Yukon files having the extension of JUN. These files have been created in Excel.
[c] Refer to tables 1.1-1.6 for descriptions of corresponding file formats.
[d] Age comp and length summary files may be opened with Kedit (PRN, AS, L), Word (DOC, WP, WP5), and Excel (WKAL, XLS, WK3, WK1, WKS)
[e] RIR - Regional Information Report, TDR - Technical Data Report, TFR - Technical Fisheries Report, AWL - Age, Sex, and Size Composition Report, AMR- Annual Management Report, AAFI - Arctic Anadromous Fish Investigations
[f] Refer to table 1.1 for listing of all ASL source reports.
[g] The last Yukon River ASL report was published April 1996 and contained 1994 data (RIR 3A96-16).

Appendix Table 1.C11. Norton Sound, Kotzebue and Port Clarence Area chinook salmon ASL data inventory, 1966-2000. (page 1 of 3).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
2000	6/23 - 7/27	333	60	648	Unalakleet	1	4	1-12		~~MISSING~~			120		x	x	x
2000	6/13 - 7/14	333	60	649	Unalakleet	5	4	1- 20		~~MISSING~~			45		x	x	x
1999	7/3 - 7/6	333	60	648	Unalakleet	1	4	1-16	S,L,A	UnakCFK99	UnakCFK99asl	UnakCFK99asl*	160		x	x	x
1999	7/1 - 7/21	333	60	649	Unalakleet	5	4	1- 9	S,L,A	UnakTF99	UnakTFK99asl	UnakTFK99asl*	56		x	x	x
1998	6/16 - 6/26	333	60	648	Unalakleet	1	4	1-17	S,L,A	~~MISSING~~		see electronic *Cf	168	132		x	x
1998	6/27	333	50	547	Shaktoolik	1	4	1-12	S,L,A	~~MISSING~~			120	100		x	x
1998	6/12 -7/27	333	60	649	Unalakleet River	5	4	1 - 26	S,L,A	~~MISSING~~			83	75		x	x
1997	6/17 - 6/24	333	60	648	Unalakleet	1	4	1 - 17	S,L,A	un41cm97	un41cm97as	un41cm97l	165	145		x	x
1997	6/12 -7/18	333	60	649	Unalakleet River	5	4	1 - 30	S,L,A	un41tf97	un41tf97as	un41tf97l	123	110		x	x
1997	8/3 - 8/4	333	60	655	North River			46 - 65		~~MISSING~~			200				x
1997	8/4	333	60	655	North River			67		~~MISSING~~			2				x
1997	6/20 - 7/31	333	60	650	Unalakleet River			1 - 45		~~MISSING~~			443				x
1997	8/4	333	60	650	Unalakleet River			66		~~MISSING~~			10				x
1996	6/25	333	50	547	Shaktoolik	1	4	1	S,L,A	sh41cm96	sh41cm96asl	sh41cm96asl	6	5			
1996	6/15 - 6/21	333	60	648	Unalakleet	1	4	1 - 16	S,L,A	un41cm96	un41cm96asl	un41cm96asl	148	128		x	x
1996	7/3 - 7/13	333	30	13/3	Kwiniuk River	3	2	1 - 3	S,L,A	kw41bs96	kw41bs96asl	kw41bs96asl	8	8		x	x
1996	6/6 - 7/6	333	60	649	Unalakleet	5	4	1 - 25	S,L,A	un41tf96	un41tf96asl	un41tf96asl	129	118		x	x
1995	6/13 - 6/30	333	60	648	Unalakleet	1	4	1 - 27	S,L,A	un41cm95	un41cm95a		270	204		x	x
1995	7/11 - 7/21	333	30	345	Kwiniuk River	3	2	1 - 4	S,L,A	kw41bs95			6			x	x
1995	6/5 - 7/11	333	60	648	Unalakleet River	5	4	1 - 29	S,L,A	un41tf95	un41tf95a		85	75		x	x
1995									S,L,A	un41cmtp							
1994	6/24	333	50	547	Shaktoolik	1	4	1 - 4	S,L,A	sh41cm94	sh41cm94as		35	33		x	x
1994	6/21 - 7/1	333	60	649	Unalakleet	1	4	1 - 27	S,L,A	un41cm94	un41cm94as		270	240		x	x
1994	7/9	333	30	343	Kwiniuk River	3	2	3	S,L,A	kw41bs94	kw41bs94a		1	1		x	x
1994	6/16 - 7/13	333	60	649	Unalakleet	5	4	1 -15	S,L,A	un41tf94	un41tf94as		35	32		x	x
1993	6/15 - 6/22	333	60	648	Unalakleet	1	4	1 - 16	S,L,A	un41cm93	un41cm93a		160	139		x	x
1993	7/10 - 7/14	330	30	343	Kwiniuk River	3	3	1 - 2	S,L,A	kw41tn93	kw41tn93a		6	4		x	x
1993	6/8 - 7/13	333	60	649	Unalakleet	5	4	1 - 31	S,L,A	un41tn93	un41tn93a		89	83		x	x
1992	7/7 - 7/15	333	60	648	Unalakleet	1	4	1 - 4	S,L,A	un41cm92	un41cm92a	un41cm92l	29	28		x	x
1992	6/27 - 8/3	333	60	649	Unalakleet	5	4	1 -16	S,L,A	un41tn92	un41tn92a	un41tn92l	24	24		x	x
1992	8/31	333	60	649	Unalakleet	5	4	50		~~MISSING~~			1			x	x
1991	6/25	333	33	346	Kwiniuk Inlet	1	4	1 - 3	S,L,A	mp41cm91	mp41cm91as	mp41cm91l	30	27		x	x
1991	6/21 - 6/28	333	50	547	Shaktoolik	1	4	1 - 8	S,L,A	sh41cm91	sh41cm91as	sh41cm91l	69	66		x	x
1991	6/18 - 6/28	333	60	648	Unalakleet	1	4	1 - 19	S,L,A	un41cm91	un41cm91as	un41cm91l	184	164		x	x
1991	7/13	330	30	343	Kwiniuk River	3	2	1	S,L,A	kw41ss91	kw41ss91as		5	5		x	x
1991	6/10 - 8/30	333	60	649	Unalakleet River	5	4	1 - 18	S,L,A	un41tn91	un41tn91as	un41tn91l	34	32		x	x
1990	6/23 - 6/29	333	33	346	Kwiniuk Inlet	1	4	1 & 1 -4	S,A	~~MISSING~~			40	27			x
1990	6/22 - 6/23	333	50	547	Shaktoolik	1	4	1 - 15	S,L,A	shcgkg90	shckg90as	Shcgkg90l	150	140		x	x
1990	6/15 - 6/19	333	60	648	Unalakleet	1	4	1 - 15	S,L,A	uncgkg90	uncgkg90as	uncgkg90l	150	140		x	x
1990	7/11	333	30	345	Kwiniuk River	2		1		~~MISSING~~			1				x
1990	6/16 - 7/7	333	60	649	Unalakleet	5	4	1 - 11	S,L,A	unrtkg90	unrtkg90as	unrtkg90l	41	39		x	x
1990	8/27	333	60	649	Unalakleet	5	4	1	S,L,A	untgkg90	untgkg90as		1	1		x	x
1989	6/24	333	50	547	Shaktoolik	1	4	1 - 2	S,L,A	shk1kg89	shk1kg89a			13			
1989	6/16 - 6/24	333	60	649	Unalakleet	1	4	*1 - 31	S,L,A	unk1kg89	unk1kg89a			138			
1989	6/13 - 7/10	333	60	648	Unalakleet	5	4	1 - 17	S,L,A	unk5kg89	unk5kg89a			41			

(continued)

Appendix Table 1.C11. Norton Sound, Kotzebue and Port Clarence Area chinook salmon ASL data inventory, 1966-2000. (page 2 of 3).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1988	6/22 - 7/5	333	33	346	Kwiniuk - Moses Pt	1	4	1 - 3	S,L,A	mos1kg88			2				
1988	6/21 - 6/24	333	50	547	Shaktoolik	1	4	1 - 7	S,L,A	shk1kg88	shk1kg88a			71			
1988	6/21 - 7/27	333	60	649	Unalakleet	1	4	1 - 31	S,L,A	unk1kg88	unk1kg88a		390	298			
1988	7/9	333	30	344	Kwiniuk	2	2	1	S,L,A	kwi2kg88			1				
1988	6/20 - 8/2	333	60	648	Unalakleet	5	4	1 - 11	S,L,A	unk5kg88	unk5kg88a		14	14			
1987	6/27 - 7/15	333	33	346	Kwiniuk - Moses Pt	1	4	1 - 4	S,L,A	~~MISSING~~	mc87k	mc87k	3 age	*5	X		
1987	7/1	333	50	547	Shaktoolik	1	4	1	S,L,A	~~MISSING~~			10 aged		X		
1987	6/26 - 7/28	333	60	649	Unalakleet	1	4	1 - 8	S,L,A	~~MISSING~~	UC87K	UC87K	31 age	*162	X		
1987	6/24 - 7/1	333	60	649	Unalakleet	1				~~MISSING~~			500				
1987	6/20 - 7/17	333	60	648	Unalakleet	5,3	4	1	S,L,A	~~MISSING~~	UTF87K	UTF87K	0 age	*39	X		
1986	7/1 - 7/11	333	33	346	Kwiniuk - Moses Pt	1	4	1 - 5	S,L,A	~~MISSING~~			16	*14			
1986	6/24 - 7/1	333	60	649	Unalakleet	1	4	1 - 50	S,L,A	Comking			500	*468			
1986	7/5 - 7/11	333	30	343	Kwiniuk	2	2	1 - 3	S,L,A	~~MISSING~~			17	*15			
1986	6/18 - 7/14	333	60	649	Unalakleet	5	4	1 - 9	S,L,A	Unkking			49	*47			
1985	6/29 - 7/19	333	33	346	Kwiniuk - Moses Pt	1	4	1 - 9	S,L,A	~~MISSING~~	Nsa6-18, Nschin	Nsa6-18	38	33	X		
1985	7/3	333	50	547	Shaktoolik	1	4	1 - 28	S,L,A	~~MISSING~~	Nsa6-18, Nschin	Nsa6-18	280	*249	X		
1985	6/28 - 7/6	333	60	649	Unalakleet	1	4	1 - 50	S,L,A	~~MISSING~~	Nsa6-18, Nschin	Nsa6-18	510	*441	X		
1985	7/6 -	333	30	343	Kwiniuk	4	2	1	S,L,A	~~MISSING~~			5		X		
1985	6/26 - 7/26	333	60	649	Unalakleet	5	4	1 - 29	S,L,A	~~MISSING~~	Nsa6-18, Nschin	Nsa6-18	168	*154	X		
1984	7/30 - 8/4	331	10	002	Kotzebue	1	4	1 - 6		~~MISSING~~							
1984	6/26 - 7/20	333	60	649	Unalakleet	1	4	1 - 53	S,L,W,A	~~MISSING~~			505	*595	X		
1984	7/29	333	60	648	Unalakleet	2	4	1 - 15	S,L,W,A	~~MISSING~~			117		X		
1984	8/24 - 9/27	331	30	320	Inmachuk	3	4	1 - 2	S,L,A	~~MISSING~~			2		X		
1984	6/24 - 7/5	333	60	648	Unalakleet	3	4,10	1 - 29	S,L,W,A	~~MISSING~~			120		X		
1984	8/28	331	40	420	Wulik	4	12	1	S,L	~~MISSING~~					X		
1983	6/21 - 7/1	333	30	344	Kwiniuk	1	4	1-3,18	S,L,W,A	~~MISSING~~			16		X		
1983	6/10 - 6/19	333	50	547	Shaktoolik	1	4	1 - 14	S,L,W,A	~~MISSING~~			140		X		
1983	6/10 - 6/18	333	60	649	Unalakleet	1	4	1 - 49	S,L,W,A	~~MISSING~~			490		X		
1983	6/21 - 8/1	333	60	648	Unalakleet	3	10	1 - 6	S,L,W,A	~~MISSING~~			48		X		
1983	7/29	333	60	650	North R/Old Woman	4	12	1 - 2	S,L,A	~~MISSING~~			9		X		
1983	5/31 - 8/26	333	60	648	Unalakleet	5	4	1 - 27	S,L,W,A	~~MISSING~~			39		X		
1982	6/22 - 7/15	333	30	344	Kwiniuk (Moses Pt.)	1	4	1 - 5	S,L,W,A	~~MISSING~~			18	15	X		
1982	6/22 - 6/25	333	60	649	Unalakleet	1	4	1 - 4	S,L,A	~~MISSING~~			100	100	X		
1982	5/10 - 7/13	333	60	649	Unalakleet	5	4	1 - 42	S,L,W,A	~~MISSING~~			39	39	X		
1981	6/8 - 6/23	333	60	649	Unalakleet	1	4	1 - 6	L,A	~~MISSING~~			122		X		
1981	6/30 - 7/22	333	60	648	Unalakleet	5	4	7,11,12	L,A	~~MISSING~~			5		X		
1981	5/21 - 7/7	333	60	648	Unalakleet	5	4	*	L,A	~~MISSING~~			20		X		
1981	6/4 - 9/12	333	60	648	Unalakleet	5	4	*	L,A	~~MISSING~~			16		X		
1980	6/20 - 7/1	333	30	343	Kwiniuk	1	4	1 - 5	L,A	~~MISSING~~			98		X		
1980	6/19 - 7/1	333	60	649	Unalakleet	1	4	1 - 5	L,A	~~MISSING~~			150		X		
1979		333	60	649	Unalakleet	1	4			~~MISSING~~							
1978		333	33	346	Kwiniuk - Moses Pt	1	4			~~MISSING~~							
1977		333	60	649	Unalakleet	1				~~MISSING~~							
1977		333	33	346	Kwiniuk - Moses Pt	1				~~MISSING~~							

(continued)

Appendix Table 1.C11. Norton Sound, Kotzebue and Port Clarence Area chinook salmon ASL data inventory, 1966-2000. (page 3 of 3).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1976	6/27 - 7/8	333	60		Unalakleet		4		A,S	~~MISSING~~			7				
1976	6/27 - 7/11	333	60		Unalakleet		4		A,S	~~MISSING~~			15				
1976		333	60		Unalakleet	1	4		A,S	~~MISSING~~			127				
1976	6/28-30	333	50		Shaktoolik	1	4		A,S	~~MISSING~~			8				
1975	7/15	333	33	346	Kwiniuk - Moses Pt	1	4	1	L	~~MISSING~~			5		X		
1975	7/1 - 7/16	333	60	649	Unakakleet	1	4		A,S,L	~~MISSING~~			116				
1973	7/2-7/11	333	60	649	Unakakleet	1	4		A,S,L	~~MISSING~~				54			
1966	8/5	332	00	045	Pilgrim					~~MISSING~~			2				

[a] Not all historic electronic data has been located. Data may not have been transferred to electronic media; files may have been corrupted; or missing 5 1/4 ·

[b] All raw data files are of ASCII type, with the exception of 1999-2000 Yukon files having the extension of JUN. These files have been created in Excel.

[c] Refer to tables 1.1-1.6 for descriptions of corresponding file formats.

[d] Age comp and length summary files may be opened with Kedit (PRN, AS, L), Word (DOC, WP, WP5), and Excel (WKAL, XLS, WK3, WK1, WKS)

[e] RIR - Regional Information Report, TDR - Technical Data Report, TFR - Technical Fisheries Report, AWL - Age, Sex, and Size Composition Report, AMR- Annual Management Report, AAFI - Arctic Anadromous Fish Investigations

[f] Refer to table 1.1 for listing of all ASL source reports.

Appendix Table 1.C12. Norton Sound Area chum salmon ASL data inventory, 1964-2000. (page 1 of 3).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
2000	7/25 - 8/5	333	60	648	Unalakleet	1	4	1 - 9	S.L.A	~~MISSING~~			318		x	x	x
2000	7/9 - 7/25	333	20	258	Niukluk R.	3	2	1 - 4	S,L,A	~~MISSING~~			78		x		
2000	8/15 - 8/28	333	20	258	Niukluk River	3	19/12	1 - 8	S,L,A	niuklukraw			107		x		
2000	7/8 - 7/22	333	30	343	Kwiniuk River	3	10/2	1 - 19	S,L,A	kwiniukraw			342		x		
2000	6/15 - 8/29	333	60	649	Unalakleet	5	4	1 - 58	S.L.A	~~MISSING~~			537		x	x	x
1999	7/9 - 7/16	333	60	648	Unalakleet	1	4	1-8	S,L,A	unk45cmsgn99	unk45cmsgn99as	unk45cmsgn99l	315	288	x	x	x
1999	7/19 - 8/17	333	20	258	Niukluk River	3	2/12	1-18	S,L,A	niv45bscs99	niv45bscs99as	niv45bscs99l	431	350	x	x	x
1999	7/14 - 7/23	333	30	343	Kwiniuk River	3	2	7 - 9	S,L,A	kw45bs99	kw45bs99as	kw45bs99l	91		x	x	x
1999	7/7 - 7/14	333	30	345	Kwiniuk River Tower	3	2	1 - 6	S,L,A	kw45bs99	kw45bs99as	kw45bs99l	182	247	x	x	x
1999	6/27 - 8/23	333	60	649	Unalakleet	5	4	1 - 19	S,L,A	unk45sg99	unk45sg99as	unk45sg99l	369	339	x	x	x
1998	7/28 - 8/5	333	60	648	Unalakleet	1	4	1 - 5	S,L,A	~~MISSING~~			200	186		x	x
1998	7/4 - 7/20	333	20	258	Niukluk River	3			S,L,A	~~MISSING~~				138			
1998	6/26 - 7/22	333	30	345	Kwiniuk R	3	2	1 - 12	S,L,A	~~MISSING~~	see electronic version of *RIR		283	217		x	x
1998	7/8 - 7/24	333	30	343	Kwiniuk River	3	2	1 - 9	S,L,A	~~MISSING~~			255	277		x	x
1998	6/11 - 8/4	333	60	649	Unalakleet	5	4	1 - 27	S,L,A	~~MISSING~~			198	181		x	x
1997	7/1 - 8/1	333	60	648	Unalakleet	1	4	1 - 8	S,L,A	un45cm97	un45cm97as	un45cm97l	277	249		x	x
1997	8/1	333	10	154	Snake River Tower	3	2	1 - 3	S,L,A	sn45bs97	sn45bs97as	sn45bs97l	114	92	x	x	x
1997	6/26 - 9/5	333	20	258	Niukluk River	3	**2/12	1 - 71	S,L,A	ni45bs97	ni45bs97as	ni45bs97l	1264		x	x	x
1997	7/4 - 7/24	333	30	343	Kwiniuk River	3	2	1 - 15	S,L,A	kw45bs97	kw45bs97as	kw45bs97l	466	409		x	x
1997	7/25 -7/31	333	10	050	Nome River	4	2	1 - 7	S,L,A	nm45bs97	nm45bs97as	nm45bs97l	197	173	x	x	x
1997	6/15 -7/30	333	60	649	Unalakleet	5	4	1 - 32	S,L,A	un45tf97	un45tf97as	un45tf97l	292	283		x	x
1996	6/25	333	50	547	Shaktoolik	1	4	1 - 3	S,L,A	sh45cm96	sh45cm96asl	sh45cm96asl	138	115		x	x
1996	7/2 - 7/31	333	60	648	Unalakleet	1	4	1 - 5	S,L,A	un45cm96	un45cm96asl	un45cm96asl	175	152		x	x
1996	7/2 - 9/10	333	20	258	Niukluk River	3	12/2	1 - 34	S,L,A	ni45cr96	ni45cr96asl	ni45cr96asl	466	418		x	x
1996	7/7	333	30	345	Kwiniuk R	3	2	1	S,L,A	*kw45bs96	*kw45bs96asl	*kw45bs96asl	13	57*		x	x
1996	7/3-7/13	333	30	343	Kwiniuk River	3	2	1 - 4	S,L,A	*kw45bs96	*kw45bs96asl	*kw45bs96asl	47	57*		x	x
1996	7/13	333	30	343	Kwiniuk River	3	12	1	S,L,A	*kw45bs96	*kw45bs96asl	*kw45bs96asl	4	57*		x	x
1996	6/5 - 7/29	333	60	648	Unalakleet	5	4	1 - 38	S,L,A	~~MISSING~~	un45tf96asl	un45tf96asl	595	503		x	x
1995	7/1 - 8/2	333	60	648	Unalakleet	1	4	1 - 6	S,L,A	un45cm95	un45cm95a		220	199		x	x
1995	7/24	333	10	151	Nome River	3	2	1 - 5	S,L,A	nm45bs95	nm45bs95as		150	96		x	x
1995	7/25 - 7/28	333	10	153	Snake River	3	2	1 - 7	S,L,A	sn45bs95	sn45bs95a		151	60		x	x
1995	7/27 - 7/31	333	10	155	Solomon River	3	2	1 - 7	S,L,A	so45bs95	*so45bs95a		155	*57		x	x
1995	7/5 - 8/10	333	20	258	Niukluk River	3	2/12	1 - 33	S,L,A	ni45bs95	ni45bs95as		803	772		x	x
1995	6/30 - 7/26	333	30	343	Kwiniuk River	3	2	1 - 15	S,L,A	kw45bs95	kw45bsbwa		496	341		x	x
1995	6/5 - 8/30	333	60	648	Unalakleet	5	4	1 - 64	S,L,A	un45tf95	un45tf95a		580	502		x	x
1994	7/26	333	30	343	Kwiniuk River	1	2	10	S,L,A	mp45cm94	mp45cm94a		4	4		x	x
1994	7/26 - 8/5	333	60	648	Unalakleet	1	4	1 - 12	S,L,A	un45cm94	un45cm94as		450	437		x	x
1994	7/26 - 8/5	333	10	151	Nome River	3	2	1 - 11	S,L,A	nm45bs94	nm45bs94as		104	99		x	x
1994	7/29 - 8/10	333	10	153	Snake River	3	2	1 - 8	S,L,A	sn45bs94	sn45bs94as		78	75		x	x
1994	7/9 - 7/14	333	30	343	Kwiniuk River	3	2	1-2, 4-9	S,L,A	kw45bs94	kw45bs94as		105	96		x	x
1994	7/10	333	30	347	Tubutulik River	3	2	5 - 7	S,L,A	tu45bs94	tu45bs94as		107	98		x	
1994	6/6 - 9/1	333	60	649	Unalakleet	5	4	1 - 56	S,L,A	un45tf94	un45tf94as		480	475		x	x
1993	6/30 - 8/9	333	60	648	Unalakleet	1	4	1 - 14	S,L,A	un45cm93	un45cmbp		451	441		x	x
1993	7/3 - 7/14	333	30	343	Kwiniuk River	2	2	1 - 4	S,L,A	kw45bs93	kw45bs93a		75	68		x	x
1993	6/8 - 9/2	333	60	649	Unalakleet	5	4	1 - 20	S,L,A	un45tf93	un45tfbp		332	324		x	x
1992	7/3 - 7/28	333	60	648	Unalakleet	1	4	1 - 15	S,L,A	un45cm92	un45cm92a	un45cm92l	450	429		x	x
1992	7/15 - 7/28	333	30	343	Kwiniuk River	2	2	1 - 4	S,L,A	kw45bs92	kw45bs92a	kw45bs92l	21	19		x	x
1992	6/23 - 9/18	333	60	649	Unalakleet	5	4	1 - 54	S,L,A	un45tn92	un45tn92a	un45tn92l	574	562		x	x
1991	6/24	333	33	346	Kwiniuk - Moses Pt	1	4	1 - 2	S,L,A	mp45cm91	mp45cm91as	mp45cm91l	51	46		x	x
1991	6/28	333	50	547	Shaktoolik	1	4	1 - 2	S,L,A	sh45cm91	sh45cm91as	sh45cm91l	60	56		x	x
1991	6/28 - 8/2	333	60	648	Unalakleet	1	4	1 - 16	S,L,A	un45cm91	un45cm91as	un45cm91l	465	463		x	x
1991	7/13	333	30	344	Kwiniuk River	3	2	1	S,L,A	kw45bs91	kw45bs91as	kw45bs91l	29	25		x	x
1991	6/11 - 9/6	333	60	649	Unalakleet	5	4	1 - 75	S,L,A	un45tn91	un45tn91as	un45tn91l	738	738		x	x
1990	6/27 - 7/24	333	60	648	Unalakleet	1	4	1 - 17	S,L,A	uncgch90	uncgch90as	uncgch90l	470	455		x	x
1990	6/26 - 6/29	333	30	346	Kwiniuk - Moses Pt.	1		1 - 5	S,L,A	mocgch90	mocgch90as	mocgch90l	134	134			
1990	6/14 - 9/12	333	60	649	Unalakleet	5	4	1 - 61	S,L,A	untgch90	untgch90as		321	285		x	x
1989	6/29	333	33	346	Kwiniuk - Moses Pt.	1	4	1	S,L,A	mos1ch89	mos1ch89a	*kwinawl		29			
1989	7/5	333	50	547	Shaktoolik	1	4	1 - 4	S,L,A	shk1ch89	shk1ch89a			159			
1989	7/4 - 8/5	333	60	649	Unalakleet	1	4	1 -14	S,L,A	unk1ch89	unk1ch89a			446			
1989	6/27 - 7/11	333	30	346	Kwiniuk - Moses Pt.	2	4	1 - 2	S,L,A	mos2ch89	mos2ch89a			19			
1989	6/12 - 9/1	333	60	648	Unalakleet	5	4	1 - 64	S,L,A	unk5ch89	unk5ch89a			727			

(continued)

Appendix Table 1.C12. Norton Sound Area chum salmon ASL data inventory, 1964-2000. (page 2 of 3).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data * Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1988	6/22 - 7/8	333	33	346	Kwiniuk - Moses Pt.	1	4	1 - 6	S,L,A	mos1ch88	mos1ch88a		85				
1988	6/28 - 8/6	333	60	649	Unalakleet	1	4	1 - 39	S,L,A	unk1ch88	unk1ch88a			1506			
1988	7/4 - 7/22	333	30	344	Kwiniuk	2	2	1 - 2	S,L,A	kwi2ch88			6				
1988	6/7 - 9/9	333	60	648	Unalakleet	5	4	1 - 82	S,L,A	unk5ch88	unk5ch88a			483			
1988	6/24 - 7/5	333	30	344	Kwiniuk	7	10	1 - 2	S,L,A	kwi7ch88			3				
1987	6/27 - 7/15	333	33	346	Kwiniuk - Moses Pt.	1	4	1 - 8	S,L,A	MISSING	mc87ch	mc87ch	216	200	X		
1987	7/7 - 8/19	333	60	649	Unalakleet	1	4	1 - 17	S,L,A	MISSING	UC87CH	UC87CH	637	603	X		
1987	7/14 - 8/3	333	30	344	Kwiniuk	2	4		S,L,A	MISSING				33	X		
1987	6/16 - 9/7	333	60	648	Unalakleet	5	4	1 - 96	S,L,A	MISSING	UTF87CH	UTF87CH	609	607	X		
1986	7/10 - 7/11	333	20	241	Golovin Bay	1	4	1 - 16	S,L,A	MISSING			460	*462			
1986	6/24 - 7/11	333	33	346	Kwiniuk - Moses Pt.	1	4	1 - 11	S,L,A	MISSING			270	*223			
1986	7/4	333	50	547	Shaktoolik	1	4	1 - 4	S,L,A	Comskch			140	*138			
1986	7/5 - 8/1	333	60	649	Unalakleet	1	4	1-36	S,L,A	Comchm			1514	*1352			
1986	7/ 6 - 7/10	333	30	343	Kwiniuk	2	2	1 - 2	S,L,A	MISSING			47	*43			
1986	6/17 - 8/20	333	60	649	Unalakleet	5	4	1 - 86	S,L,A	Unkchum			790	*760			
1985	7/23 - 7/24	333	20	241	Golovin Bay	1	4	1 - 7	S,L,A	MISSING	Nsa6-18, Nschum	Nsa6-18	193	*186	X		
1985	6/29 - 7/22	333	33	346	Kwiniuk - Moses Pt.	1	4	1 - 19	S,L,A	MISSING	Nsa6-18, Nschum	Nsa6-18	450	*407	X		
1985	6/28 - 7/31	333	60	649	Unalakleet	1	4	1 - 38	S,L,A	MISSING	Nsa10a, Nschum	Nsa6-18	1450	*1299	X		
1985	7/6 - 7/25	333	30		Kwiniuk	4	2	1 - 11	S,L,A	MISSING	Nsa6-18, Nschum	Nsa6-18	146	*146	X		
1985	7/25	333	30	347	Tubutulik	4	2	1	S,L,A	MISSING			7		X		
1985	6/23 - 9/7	333	60	649	Unalakleet	5	4	1 - 109	S,L,A	MISSING	Nsa6-18, Nschum	Nsa6-18	820	*800	X		
1984		333	33	346	Kwiniuk Moses Pt.	1	4		S,L,A	MISSING				**59			
1984	7/7 - 7/28	333	60	649	Unalakleet	1	4	1 - 50	S,L,W,A	MISSING			1489	**1377	X		
1984	8/3 - 9/12	333	60	648	Unalakleet	3	4	1 - 76; 100 - 128	S,L,W,A	MISSING			982, 123	**661	X		
1983	6/21 - 7/20	333	33	346	Kwiniuk - Moses Pt.	1	4	1 - 13; 15 - 18		MISSING			500		X *		
1983	6/19 - 7/6	333	50	547	Shaktoolik	1	4	1 - 4	S,L,A	MISSING			104		X		
1983	6/18 - 7/29	333	60	649	Unalakleet	1	4	1 - 12	S,L,A	MISSING			350		X		
1983	6/27 - 7/29	333	30	344	Kwiniuk	2	2	1 - 5; 19 - 20	S,L,W,A	MISSING			136		X		
1983	6/10 - 9/21	333	60	648	Unalakleet	5	4	1 - 133	S,L,W,A	MISSING			~700		X		
1982	6/22 - 7/24	333	30	344	Kwiniuk - Moses Pt.	1	4	1 -16	S,L,W,A	MISSING			480	429	X		
1982	5/16 - 9/22	333	60	649	Unalakleet	1	4	* 6 - 135	S,L,W,A	MISSING			386+	333	X		
1981	6/23 - 7/21	333	30		Kwiniuk - Moses Pt.	1	4	1 - 16	L,A	MISSING			480		X		
1981	6/23	333	60	649	Unalakleet	1	4	1	L,A	MISSING			22		X		
1981	6/30 - 7/2	333	60	648	Unalakleet - Site 1	5	4	* 6 - 149	L,A	MISSING			385		X		
1981	5/21 - 8/9	333	60	648	Unalakleet - Site 3	5	4	* 1 - 55	L,A	MISSING			205		X		
1981	6/22 - 8/31	333	60	648	Unalakleet - Site 4	5	4	* 1 - 70	L,A	MISSING			126		X		
1980	7/18	333	10	151	Nome	1	4	1 - 2	A,S,L	MISSING			44	43	X		
1980	6/20 - 7/18	333	30	[illegible]	Kwiniuk	1	4	101 - 118	A,S,L	MISSING			540	526	X		
1980	6/27 - 7/21	333	60	649	Unalakleet	1	4	1 - 10	A,S,L	MISSING			300	265	X		
1979	6/23 - 7/10	333	60	649	Unalakleet	1		1 - 9	A,S,L	MISSING				265			
1979	6/23 - 7/18	333	30	343	Kwiniuk	2	4	1 -11	A,S,L	MISSING			302	279			
1979	7/13; 7/29	333	20	258	Niukluk	4	12	1-2	A,S,L	MISSING			32		X		
1978		333	10	151	Nome	1		1 - 3	A	MISSING			65		X		
1978		333	20	241	Golovin Bay	1		1 - 8	A	MISSING			145		X		
1978	6/20 - 7/18	333	30	344	Kwiniuk	1	4	* 2 - 18	L,A	MISSING			404		X		
1978		333	30	343	Kwiniuk - Moses Pt.	1		1 - 18	A	MISSING			400		X		
1978	6/20 - 7/19	333	60	649	Unalakleet	1	4	1 - 15	L,A	MISSING			450		X		
1978		333	10		Boston Creek	4		1 - 4	A	MISSING			100	98	X		
1978		333	10	157	Eldorado Creek	4		1 - 2	A	MISSING			41	41	X		
1978		333	10	150	Nome	4		1 - 4	A	MISSING			132	104	X		
1978		333	20	260	Fish River	4		1	A	MISSING			25	24	X		
1978		333	20	251	Kachavik	4		1 -2	A	MISSING			47	47	X		
1978		333	20	258	Niukluk	4		1 - 2	A	MISSING			60		X		
1978		333	50	547	Shaktoolik	4		1 - 3	A	MISSING			84	70	X		
1978	Aug	333	50	547	Shaktoolik	4	12	1 - 2	A	MISSING			20		X		
1978		333	60	648	Unalakleet	4	12	1		MISSING			10				
1978		333	60	648	Unalakleet	4		1 -15	A	MISSING			410	*57	X		
1978		333	00	054	Sinuk	4		1 - 3	A	MISSING			90	86	X		

(continued)

Appendix Table 1.C12. Norton Sound Area chum salmon ASL data inventory, 1964-2000. (page 3 of 3).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data * Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1977		333	10	151	Nome	1			A,S,L	MISSING							
1977	6/25 - 7/27	333	30	344	Kwiniuk	1	4	* 1 - 22	L,A	MISSING			600				
1977		333	30	343	Kwiniuk - Moses Pt.	1			A,S,L	MISSING							
1977	6/22 - 7/9	333	60	649	Unalakleet	1	4	* 1 - 20	L,A	MISSING			300				
1977		333	10	151	Nome	2			A,S,L	MISSING							
1977		333	30	343	Kwiniuk	2		101-104	A	MISSING			176		X		
1977		333	60	648	Unalakleet	2			A	MISSING			80		X		
1976	6/26 - 7/28	333	30	344	Kwiniuk	1	4	1 - 9	L,A	MISSING				213	X		
1976	7/7 - 7/16	333	30	345	Kwiniuk	1	4	1 - 2; 4 - 6	L,A	MISSING			128	116	X		
1976	6/30	333	40	440	Ungalik River	1	4		A	MISSING			24				
1976	6/28-7/18	333	50	547	Shaktoolik	1	4		A	MISSING			60				
1976	6/23 - 7/14	333	60	649	Unalakleet	1	4	1,4,7,11,15,17	L,A	MISSING			167	156	X		
1976	7/15-7/31	333			Chirosky River	3	2		A	MISSING			29				
1976		333	30	345	Kwiniuk	4		* 1 - 6	A	MISSING			100		X		
1976	6/26-7/12	333	60	649	Unalakleet	5	4		A	MISSING			47				
1976	6/26-7/12	333	60	649	Unalakleet	5	4		A	MISSING			118				
1975	7/3 - 7/16	333	30		Kwiniuk - Moses Pt.	1		1 - 12	A	MISSING			344				
1975	6/1-8/3	333	50	547	Shaktoolik	1			A	MISSING			215				
1975	7/1 - 7/16	333	60		Unalakleet	1		* 1 - 34	A	MISSING			116				
1975	7/27-8/5	333	60		Unalakleet	1			A	MISSING			249				
1975	7/5-7/25	333			Chirosky River	1			A	MISSING			291				
1975	7/8-9	333			Golovin	1			A	MISSING			107				
1975	7/3-8/6	333			Norton Bay	1			A	MISSING			202				
1975	7/22-7/24	333	30		Kwiniuk River	3	2		A	MISSING			56				
1974	6/21-6-29	333	20		Golovin	1	4		A,S,L	MISSING				104			
1974	6/27-7/21	333	30		Kwiniuk - Moses Pt.	1	4		A,S,L	MISSING				176			
1974	6/17-7/17	333	60	649	Unalakleet	1	4		A,S,L	MISSING				223			
1974	6/27-7/11	333	30		Kwiniuk - Moses Pt.	2	2		A,S,L	MISSING				151			
1973	6/29-8/3	333	30		Kwiniuk - Moses Pt.	1	4		A,S,L	MISSING				343			
1973	620-7/28	333	60	649	Unalakleet	1	4		A,S,L	MISSING				494			
1973	6/29-8/3	333	30		Kwiniuk River	3	2		A,S,L	MISSING				327			
1969	6/23 - 7/19	333	30		Kwiniuk - Moses Pt.	1	4	1 - 44	S,L,A	MISSING			1260		X		
1969		333	60	649	Unalakleet	1	4	1 - 10		MISSING							
1968	6/22 - 7/14	333	33	346	Kwiniuk - Moses Pt.	1	4	* 1 - 41		MISSING							
1968	7/6 - 7/17	333	60	649	Unalakleet	1	4	* 1 - 33		MISSING							
1967		333	30	344	Kwiniuk - Moses Pt.	1	4	1 - 30		MISSING							
1965	6/24 - 7/12	333	30		Kwiniuk River				A	MISSING			568				
1963	7/2	333	20	241	Golovin Bay	1	4	* 4	L,A	MISSING			95	66	X		
1963	7/2 - 7/14	333	40	410	Norton Bay/Moses Pt.	1	4	* 4	L,A	MISSING			50		X		
1963	7/11 - 8/2	333	60		Unalakleet	1	2,4	* 9	L,A	MISSING			175?	180	X		
1962	7/3 - 7/16	333	30		Kwiniuk	1	4	1 - 12	L,A	MISSING			340		X		
1962	6/25 - 8/6	333	60	649	Unalakleet	1	4	* 1 - 34	L,A	MISSING			280		X		
1962	7/7 - 7/14	333	40	410	Norton Bay			* 3	L,A	MISSING			59		X		

* Not all historic electronic data has been located. Data may not have been transferred to electronic media; files may have been corrupted; or missing 5 1/4 disks still need to be located.

[b] All raw data files are of ASCII type, with the exception of 1999-2000 Yukon files having the extension of JUN. These files have been created in Excel.

[c] Refer to tables 1.1-1.6 for descriptions of corresponding file formats.

[d] Age comp and length summary files may be opened with Kedit (PRN, AS, L), Word (DOC, WP, WP5), and Excel (WKAL, XLS, WK3, WK1, WKS)

[e] RIR - Regional Information Report, TDR - Technical Data Report, TFR - Technical Fisheries Report, AWL - Age, Sex, and Size Composition Report, AMR- Annual Management Report, AAFI - Arctic Anadromous Fish Investigations

[f] Refer to table 1.1 for listing of all ASL source reports.

Appendix Table 1.C13. Kotzebue District chum salmon ASL data inventory, 1964-2000. (page 1 of 7).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
2000	7/11	331	10	002	Kotzebue	1	4	1 - 4	S,L,A	p01of15	p01of15as	p01of15l		121			x
2000	7/13	331	10	002	Kotzebue	1	4	5-11	S,L,A	p02of15	p02of15as	p02of15l		236			x
2000	7/20 ?	331	10	002	Kotzebue	1	4	12-17	S,L,A	p03of15	period3as						x
2000	7/20	331	10	002	Kotzebue	1	4	18-24	S,L,A	p04of15	p04of15as	p04of15l		245			x
2000	7/26	331	10	002	Kotzebue	1	4	25-31	S,L,A	p05of15	p05of15as	p05of15l		239			x
2000	7/28	331	10	002	Kotzebue	1	4	32-38	S,L,A	p06of15	p06of15as	p06of15l		251			x
2000	8/1	331	10	002	Kotzebue	1	4	39-45	S,L,A	p07of15	p07of15as	p07of15l		251			x
2000	8/3	331	10	002	Kotzebue	1	4	46-52	S,L,A	p08of15	p08of15as	p08of15l		253			x
2000	8/8	331	10	002	Kotzebue	1	4	53-59	S,L,A	p09of15	p09of15as	p09of15l		262			x
2000	8/10	331	10	002	Kotzebue	1	4	60-66	S,L,A	p10of15	p10of15as	p10of15l		250			x
2000	8/15	331	10	002	Kotzebue	1	4	67-70	S,L,A	~~MISSING~~	period11a						x
2000	8/17	331	10	002	Kotzebue	1	4	72-78	S,L,A	p12of15	p12of15as	p12of15l		255			x
2000	8/23	331	10	002	Kotzebue	1	4	79-84	S,L,A	p13of15	p13of15as	p13of15l		196			x
2000	8/24	331	10	002	Kotzebue	1	4	85-91	S,L,A	p14of15	p14of15as	p14of15l		260			x
2000	7/11 - 8/24	331	10	002	Kotzebue	1	4	1 - 91	S,L,A	~~MISSING~~			3,533				x
2000	7/7 - 8/14	331	Kobuk	215	Kobuk River (Kiana)	5	4	1- 39		~~MISSING~~			951		x	x	x
1999	7/13	331	10	002	Kotzebue	1	4	1 - 4	S,L,A	per01	per01as	per01l		116		x	x
1999	7/15	331	10	002	Kotzebue	1	4	5 - 11	S,L,A	per02	per02as	per02l		265		x	x
1999	7/19	331	10	002	Kotzebue	1	4	12 - 18	S,L,A	per03	per03as	per03l		223		x	x
1999	7/22	331	10	002	Kotzebue	1	4	19 - 26	S,L,A	per04	per04as	per04l		249		x	x
1999	7/26	331	10	002	Kotzebue	1	4	27- 31	S,L,A	per05plu		*per05l		263*		x	x
1999	7/28	331	10	002	Kotzebue	1	4	32 - 34	S,L,A	per05min		*per05l		263*		x	x
1999	7/29	331	10	002	Kotzebue	1	4	35 - 41	S,L,A	per06	per06as	per06l		263		x	x
1999	8/2	331	10	002	Kotzebue	1	4	42 -48	S,L,A	per07	per07as	per07l		263		x	x
1999	8/6	331	10	002	Kotzebue	1	4	49 -55	S,L,A	per08	per08as	per08l		254		x	x
1999	8/9	331	10	002	Kotzebue	1	4	56 - 62	S,L,A	per09	per09as	per09l		252		x	x
1999	8/12	331	10	002	Kotzebue	1	4	63 - 69	S,L,A	per10	per10as	per10l		254		x	x
1999	8/16	331	10	002	Kotzebue	1	4	72 - 79	S,L,A	per11	per11as	per11l		249		x	x
1999	8/19	331	10	002	Kotzebue	1	4	80 - 85	S,L,A	per12	per12as	per12l		171		x	x
1999	8/23	331	10	002	Kotzebue	1	4	88 -95	S,L,A	per13	per13as	per13l		241		x	x
1999	8/27	331	10	002	Kotzebue	1	4	96 - 101	S,L,A	per14	per14as	per14l		225		x	x
1999	7/13 - 8/26	331	10	002	Kotzebue	1	4	*1 - 101	S,L,A	kotzall99	kotzall99as	kotzall99asl	3,800	3,320		x	x
1999	7/17 - 8/13	331	Kobuk	215	Kobuk River (Kiana)	5	4	7 - 48	S,L,A	kb45dgn99	kb45dgn99as	kb45dgn99l	1,156	913		x	x
1999	8/14	331	Noatak	120	Noatak (Test Fish)	5	3	70 - 71	S,L,A	noatak01	noatak01as	noatak01l	68	61		x	x
1999	8/21	331	Noatak	120	Noatak (Test Fish)	5	3	86 - 87	S,L,A	noatak02	*noasumas	*noasuml	67	66		x	x
1999	8/29	331	Noatak	120	Noatak (Test Fish)	5	3	102	S,L,A	noatak03	*noatotas	*noatotl	28	27		x	x
1998	7/9 - 8/30	331	10	002	Kotzebue	1	4	1 - 82	S,L,A	~~MISSING~~	Age by period98		3,049	2,882		x	x
1998	9/12	331	Kobuk	270	Selby Slough (Carcass)	4	12	1 - 17	S,L,A	~~MISSING~~		See electronic version of "CER"	170	162		x	x
1998	7/10 - 8/14	331	Kobuk	215	Kobuk River (Kiana)	5	4	1 - 32	S,L,A	kobukasl98	*Age by period98		606	541		x	x
1998	7/27 - 8/28	331	Noatak	115	Noatak (Test Fish)	5	3	1 - 9	S,L,A	~~MISSING~~	Age by period98		355	291		x	x
1997	7/10	331	10	2	Kotzebue	1	4	1 - 4	S,L,A,	kz071097	kz071097as			149			x
1997	7/14	331	10	2	Kotzebue	1	4	5 -8	S,L,A,	kz071497	kz071497as			155			x
1997	7/15	331	10	2	Kotzebue	1	4	9 - 12	S,L,A,	kz071597	kz071597as			152			x
1997	7/17	331	10	2	Kotzebue	1	4	13 - 16	S,L,A,	kz071797	kz071797as			151			x
1997	7/18	331	10	2	Kotzebue	1	4	17 - 20	S,L,A,	kz071897	kz071897as			149			x
1997	7/21	331	10	2	Kotzebue	1	4	21 - 24	S,L,A,	kz072197	kz072197as			148			x
1997	7/22	331	10	2	Kotzebue	1	4	25 - 28	S,L,A,	kz072297	kz072297as			153			x
1997	7/24	331	10	2	Kotzebue	1	4	29 - 32	S,L,A,	kz072497	kz072497as			153			x
1997	7/25	331	10	2	Kotzebue	1	4	33 - 36	S,L,A,	kz072597	kz072597as			153			x
1997	7/28	331	10	2	Kotzebue	1	4	37 - 40	S,L,A,	kz072897	kz072897as			144			x
1997	7/29	331	10	2	Kotzebue	1	4	41 - 44	S,L,A,	kz072997	kz072997as			152			x
1997	7/31	331	10	2	Kotzebue	1	4	45 - 48	S,L,A,	kz073197	kz073197as			149			x
1997	8/1	331	10	2	Kotzebue	1	4	49 - 52	S,L,A,	kz080197	kz080197as			153			x
1997	8/4	331	10	2	Kotzebue	1	4	53 - 56	S,L,A,	kz080497	kz080497as			153			x
1997	8/5	331	10	2	Kotzebue	1	4	57 - 60	S,L,A,	kz080597	kz080597as			141			x
1997	8/6	331	10	2	Kotzebue	1	4	61 - 64	S,L,A,	kz080697	kz080697as			152			x
1997	8/7	331	10	2	Kotzebue	1	4	65 - 68	S,L,A,	kz080797	kz080797as			157			x
1997	8/8	331	10	2	Kotzebue	1	4	69 - 72	S,L,A,	kz080897	kz080897as			141			x
1997	8/11	331	10	2	Kotzebue	1	4	73 - 76	S,L,A,	kz081197	kz081197as			147			x
1997	8/12	331	10	2	Kotzebue	1	4	77 - 80	S,L,A,	kz081297	kz081297as			148			x

(continued)

Appendix Table 1.C13. Kotzebue District chum salmon ASL data inventory, 1964-2000. (page 2 of 7).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1997	8/14	331	10	2	Kotzebue	1	4	81 - 84	S,L,A,	kz081497	kz081497as			151			x
1997	8/15	331	10	2	Kotzebue	1	4	85 - 88	S,L,A,	kz081597	kz081597as			152			x
1997	8/18	331	10	2	Kotzebue	1	4	89 - 92	S,L,A,	kz081897	kz081897as			157			x
1997	8/19	331	10	2	Kotzebue	1	4	93 - 96	S,L,A,	kz081997	kz081997as			141			x
1997	8/20	331	10	2	Kotzebue	1	4	97 -100	S,L,A,	kz082097	kz082097as			153			x
1997	8/21	331	10	2	Kotzebue	1	4	101 -103	S,L,A,	kz082197	kz082197as			110			x
1997	8/22	331	10	2	Kotzebue	1	4	104 -107	S,L,A,	kz082297	kz082297as			145			x
1997	8/25	331	10	2	Kotzebue	1	4	108 -111	S,L,A,	kz082597	kz082597as			150			x
1997	8/26	331	10	2	Kotzebue	1	4	112 -115	S,L,A,	kz082697	kz082697as			150			x
1997	8/27	331	10	2	Kotzebue	1	4	116 -118	S,L,A,	kz082797	kz082797as			108			x
1997	8/28	331	10	2	Kotzebue	1	4	119 -121	S,L,A,	kz082897	kz082897as			113			x
1997	8/29	331	10	2	Kotzebue	1	4	122 -125	S,L,A,	kz082997	kz082997as			145			x
1997	7/10 - 8/29	331	10	2	Kotzebue	1	4	1 - 125	S,L,A,	kzall97	*otz_all_97as		5,000	4,824			x
1997	8/19 - 8/21	331	Kobuk	230	Salmon River	4	4	1 - 22	S,L,A,	sa45cr97	sa45cr97as	sa45cr97l	220	219		x	x
1997	9/2 - 9/4	331	Kobuk	270	Selby River (Carcass)	4	12	1 - 23	S,L,A,	sb45cr97	sb45cr97as	sb45cr97l	230	219		x	x
1997	8/24 - 8/26	331	Kobuk	220	Squirrel River	4	12	1 - 20	S,L,A,	sq45cr97	sq45cr97as	sq45cr97l	191	185		x	x
1997	7/9 - 8/14	331	Kobuk	215	Kobuk River (Kiana)	5	4	1 - 37	S,L,A,	kb45tf97	kb45tf97as		826	756		x	x
1997	7/27	331	Noatak	115	Noatak (Test Fish)	5	3	1	S,L,A,	noa0727			28			x	x
1997	8/9	331	Noatak	115	Noatak (Test Fish)	5	3	2 - 3	S,L,A,	noa0809			75			x	x
1997	8/13	331	Noatak	115	Noatak (Test Fish)	5	3	4	S,L,A,	noa0813			40			x	x
1997	8/23	331	Noatak	115	Noatak (Test Fish)	5	3	5	S,L,A,	noa0823			40			x	x
1997	8/28	331	Noatak	115	Noatak (Test Fish)	5	3	6 - 7	S,L,A,	noa0828			54			x	x
1997	7/27 - 8/28	331	Noatak	115	Noatak (Test Fish)	5	3	1 - 7	S,L,A,	noa97all	noa97allasl	noa97allasl	237	214		x	x
1996	7/8	331	10	002	Kotzebue	1	4	1 - 3	S,L,A	kz070896	kz070896as			119		x	x
1996	7/9	331	10	002	Kotzebue	1	4	4 - 6	S,L,A	kz070996	kz070996as			112		x	x
1996	7/10	331	10	002	Kotzebue	1	4	7 - 9	S,L,A	kz071096	kz071096as			109		x	x
1996	7/11	331	10	002	Kotzebue	1	4	10 - 12	S,L,A	kz071196	kz071196as			117		x	x
1996	7/17	331	10	002	Kotzebue	1	4	13 - 19	S,L,A	kz071796	kz071796as			267		x	x
1996	7/18	331	10	002	Kotzebue	1	4	20 - 23	S,L,A	kz071896	kz071896as			152		x	x
1996	7/23	331	10	002	Kotzebue	1	4	24 - 27	S,L,A	kz072396	kz072396as			152		x	x
1996	7/24	331	10	002	Kotzebue	1	4	28 - 30	S,L,A	kz072496	kz072496as			110		x	x
1996	7/25	331	10	002	Kotzebue	1	4	31 - 34	S,L,A	kz072596	kz072596as			158		x	x
1996	7/26	331	10	002	Kotzebue	1	4	35 - 37	S,L,A	kz072696	kz072696as			119		x	x
1996	7/29	331	10	002	Kotzebue	1	4	38 - 40	S,L,A	kz072996	kz072996as			118		x	x
1996	8/2	331	10	002	Kotzebue	1	4	41 - 44	S,L,A	kz080296	kz080296as			157		x	x
1996	8/5	331	10	002	Kotzebue	1	4	45 - 47	S,L,A	kz080596	kz080596as			117		x	x
1996	8/6	331	10	002	Kotzebue	1	4	48 - 51	S,L,A	kz080696	kz080696as			149		x	x
1996	8/9	331	10	002	Kotzebue	1	4	52 - 56	S,L,A	kz080996	kz080996as			185		x	x
1996	8/14	331	10	002	Kotzebue	1	4	57 - 60	S,L,A	kz081496	kz081496as			153		x	x
1996	8/16	331	10	002	Kotzebue	1	4	61 - 64	S,L,A	kz081696	kz081696as			149		x	x
1996	8/19	331	10	002	Kotzebue	1	4	65 - 68	S,L,A	kz081996	kz081996as			147		x	x
1996	8/20	331	10	002	Kotzebue	1	4	69 - 71	S,L,A	kz082096	kz082096as			108		x	x
1996	8/21	331	10	002	Kotzebue	1	4	72 - 74	S,L,A	kz082196	kz082196as			110		x	x
1996	8/23	331	10	002	Kotzebue	1	4	75 - 76	S,L,A	kz082396	kz082396as			73		x	x
1996	8/24	331	10	002	Kotzebue	1	4	77 - 80	S,L,A	kz082696	kz082696as			134		x	x
1996	7/8 - 8/26	331	10	002	Kotzebue	1	4	1 - 80	S,L,A	kzall96	kzall96as		2,862	2,386		x	x
1996	8/19 - 8/21	331	Kobuk	230	Salmon River	4	12	1 - 28	S,L,A	sa45cr96	sa45cr96as		300	267		x	x
1996	9/2 - 9/3	331	Kobuk	270	Selby River (Carcass)	4	12	1 - 28	S,L,A	sb45cr96	sb45cr96as		280	270		x	x
1996	8/27 - 8/28	331	Kobuk	220	Squirrel River	4	12	1 - 28	S,L,A	sq45cr96	sq45cr96as		280	271		x	x
1996	7/9 - 8/14	331	Kobuk	215	Kobuk River (Kiana)	5	3	1 - 61	S,L,A	kb45tf96	kb45tf96as		1,803	1,633		x	x
1996	7/16	331	Noatak	115	Noatak River (Test Fish)	5	3	1	S,L,A	MISSING	noa0716as			32			
1996	7/28	331	Noatak	115	Noatak River (Test Fish)	5	3	2 - 3	S,L,A	MISSING	noa0728as			48		x	x
1996	8/7	331	Noatak	115	Noatak River (Test Fish)	5	3	4 - 6	S,L,A	MISSING	noa0807as			91		x	x
1996	8/13	331	Noatak	115	Noatak River (Test Fish)	5	3	7 - 8	S,L,A	MISSING	noa0813as			78		x	x
1996	8/22	331	Noatak	115	Noatak River (Test Fish)	5	3	9 - 10	S,L,A	MISSING	noa0822as			65		x	x
1996	8/27	331	Noatak	115	Noatak River (Test Fish)	5	3	11 - 12	S,L,A	noa0827	noa0827as			66		x	x
1996	7/16 - 8/27	331	Noatak	115	Noatak River (Test Fish)	5	3	1 -12	S,L,A	no45tf96	no45tf96as		403	345		x	x
1995	7/11	331	10	002	Kotzebue	1	4	1 - 7	S,L,A	kz071195	kz071195as			248		x	x
1995	7/14	331	10	002	Kotzebue	1	4	8 - 14	S,L,A	kz071495	kz071495as			272		x	x
1995	7/18	331	10	002	Kotzebue	1	4	15 - 21	S,L,A	kz071895	kz071895as			255		x	x
1995	7/20	331	10	002	Kotzebue	1	4	22 -24	S,L,A	kz072095	kz072095as			99		x	x
1995	7/21	331	10	002	Kotzebue	1	4	25 -27	S,L,A	kz721a95	kz721a95as			94		x	x
1995	*7/21	331	10	002	Kotzebue	1	4	26 -29	S,L,A	kz721p95	kz721p95as			77		x	x
1995	7/24	331	10	002	Kotzebue	1	4	25 -32	S,L,A	kz072495	kz072495as			117		x	x
1995	7/25	331	10	002	Kotzebue	1	4	33 - 35	S,L,A	kz072595	kz072595as			114		x	x

(continued)

Appendix Table 1.C13. Kotzebue District chum salmon ASL data inventory, 1964-2000. (page 3 of 7).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1995	7/26	331	10	002	Kotzebue	1	4	36 - 39	S,L,A	kz072695	kz072695as			117		x	x
1995	7/28	331	10	002	Kotzebue	1	4	40 - 45	S,L,A	kz072895	kz072895as			234		x	x
1995	7/31	331	10	002	Kotzebue	1	4	46 - 48	S,L,A	kz073195	kz073195as			117		x	x
1995	8/1	331	10	002	Kotzebue	1	4	49 - 51	S,L,A	kz080195	kz080195as			118		x	x
1995	8/2	331	10	002	Kotzebue	1	4	52 - 54	S,L,A	kz080295	kz080295as			118		x	x
1995	8/4	331	10	002	Kotzebue	1	4	55 - 60	S,L,A	kz080495	kz080495as			230		x	x
1995	8/7	331	10	002	Kotzebue	1	4	61 - 64	S,L,A	kz080795	kz080795as			152		x	x
1995	8/8	331	10	002	Kotzebue	1	4	65 - 68	S,L,A	kz080895	kz080895as			159		x	x
1995	8/9	331	10	002	Kotzebue	1	4	69 - 71	S,L,A	kz080995	kz080995as			118		x	x
1995	8/10	331	10	002	Kotzebue	1	4	72 - 75	S,L,A	kz081095	kz081095as			114		x	x
1995	8/11	331	10	002	Kotzebue	1	4	76 - 79	S,L,A	kz081195	kz081195as			153		x	x
1995	8/14	331	10	002	Kotzebue	1	4	80 - 83	S,L,A	kz081495	kz081495as			154		x	x
1995	8/15	331	10	002	Kotzebue	1	4	84 - 87	S,L,A	kz081595	kz081595as			154		x	x
1995	8/16	331	10	002	Kotzebue	1	4	88 - 90	S,L,A	kz081695	kz081695as			115		x	x
1995	8/17	331	10	002	Kotzebue	1	4	91 - 94	S,L,A	kz081795	kz081795as			153		x	x
1995	8/18	331	10	002	Kotzebue	1	4	95 - 97	S,L,A	kz081895	kz081895as			114		x	x
1995	8/21	331	10	002	Kotzebue	1	4	98 - 101	S,L,A	kz082195	kz082195as			147		x	x
1995	8/22	331	10	002	Kotzebue	1	4	102 - 105	S,L,A	kz082295	kz082295as			155		x	x
1995	8/23	331	10	002	Kotzebue	1	4	106 - 108	S,L,A	kz082395	kz082395as			112		x	x
1995	8/24	331	10	002	Kotzebue	1	4	109 - 112	S,L,A	kz082495	kz082495as			156		x	x
1995	8/25	331	10	002	Kotzebue	1	4	113 - 116	S,L,A	kz082595	kz082595as			156		x	x
1995	8/28	331	10	002	Kotzebue	1	4	117 - 123	S,L,A	kz082895	kz082895as			269		x	x
1995	7/11 - 8/28	331	10	002	Kotzebue	1	4	1 - 123	S,L,A	kzall95	kzall95as		4,920	4,735		x	x
1995	8/23 - 8/24	331	Kobuk	230	Salmon River	4	12	1 - 25	S,L,A	sa45cr95	sa45cr95a		250	244		x	x
1995	9/7 - 9/8	331	Kobuk	270	Selby River (Carcass)	4	12	1 - 28	S,L,A	sb45cr95	sb45cr95a		280	264		x	x
1995	8/27 - 8/28	331	Kobuk	220	Squirrel River	4	12	1 - 28	S,L,A	sq45cr95	sq45cr95a		280	264		x	x
1995	7/13 - 8/16	331	Kobuk	215	Kobuk River (Kiana)	5	3	1 - 48	S,L,A	kb45tf95	kb45tf95as		1,131	1,025		x	x
1995	7/20 - 8/29	331	Noatak	115	Noatak River (Test Fish)	5	3	1 - 53	S,L,A	no45tf95	no45tf95as		1,493	1,266		x	x
1995	7/21 - 8/?	331	10	125	Sikusuilaq Hatchery				A	sk45ht95			154				
1994	7/12	331	10	002	Kotzebue	1	4	1 -7	S, L, A	kz_07-12	kz_07-12as			268		x	
1994	7/15	331	10	002	Kotzebue	1	4	8 -14	S, L, A	kz_07-15	kz_07-15as			267		x	
1994	7/19	331	10	002	Kotzebue	1	4	15 - 21	S, L, A	kz_07-19	kz_07-19as			267		x	
1994	7/22	331	10	002	Kotzebue	1	4	22 - 28	S, L, A	kz_07-22	kz_07-22as			275		x	
1994	7/26	331	10	002	Kotzebue	1	4	29 - 35	S, L, A	kz_07-26	kz_07-26as			256		x	x
1994	7/29	331	10	002	Kotzebue	1	4	26 - 42	S, L, A	kz_07-29	kz_07-29as			253		x	x
1994	8/1	331	10	002	Kotzebue	1	4	43 - 45	S, L, A	kz_08-01	kz_08-01as			117		x	x
1994	8/2	331	10	002	Kotzebue	1	4	46 - 48	S, L, A	kz_08-02	kz_08-02as			117		x	x
1994	8/4	331	10	002	Kotzebue	1	4	49 - 52	S, L, A	kz_08-04	kz_08-04as			149		x	x
1994	8/5	331	10	002	Kotzebue	1	4	53 - 56	S, L, A	kz_08-05	kz_08-05as			154		x	x
1994	8/9	331	10	002	Kotzebue	1	4	57 - 59	S, L, A	kz_08-09	kz_08-09as			115		x	x
1994	8/10	331	10	002	Kotzebue	1	4	60 - 63	S, L, A	kz_08-10	kz_08-10as			147		x	x
1994	8/12	331	10	002	Kotzebue	1	4	64 - 67	S, L, A	kz_08-12	kz_08-12as			158		x	x
1994	8/15	331	10	002	Kotzebue	1	4	68 - 71	S, L, A	kz_08-15	kz_08-15as			118		x	x
1994	8/16	331	10	002	Kotzebue	1	4	72 -75	S, L, A	kz_08-16	kz_08-16as			155		x	x
1994	8/17	331	10	002	Kotzebue	1	4	76 - 79	S, L, A	kz_08-17	kz_08-17as			156		x	x
1994	8/18	331	10	002	Kotzebue	1	4	80 - 83	S, L, A	kz_08-18	kz_08-18as			154		x	x
1994	8/19	331	10	002	Kotzebue	1	4	84 - 87	S, L, A	kz_08-19	kz_08-19as			118		x	x
1994	8/22	331	10	002	Kotzebue	1	4	88 - 91	S, L, A	kz_08-22	kz_08-22as			150		x	x
1994	8/22	331	10	002	Kotzebue	1	4	92 - 94	S, L, A	kz_08-23	kz_08-23as			97		x	x
1994	8/24	331	10	002	Kotzebue	1	4	95 - 97	S, L, A	kz_08-24	kz_08-24as			117		x	x
1994	8/25	331	10	002	Kotzebue	1	4	98	S, L, A	kz_08-25	kz_08-25as			27		x	x
1994	8/31	331	10	002	Kotzebue	1	4	99 - 101	S, L, A	kz_08-31	kz_08-31as			108		x	x
1994	7/12 - 8/31	331	10	002	Kotzebue	1	4	1 - 101	S, L, A	kz_94all	kz_94allas		3,971	3,744		x	x
1994	7/26 - 8/5	331	Noatak	52	Noatak	4	2	1 - 11	S, L, A	no45bs94							
1994	9/8	331	Kobuk	230	Salmon River	4	12	1 - 28	S, L, A	sa45cr94	sa45cr94as		280	270		x	x
1994	9/20	331	Kobuk	270	Selby River (Carcass)	4	12	1 - 28	S, L, A	sb45cr94	sb45cr94as		280	275		x	x
1994	7/28 - 9/6	331	Noatak	110	Noatak (Sonar)	5	3	1 - 63	S, L, A	no45tf94	no45tf94as	no45tf94l	1,389	1,160		x	x
1994	7/13 - 8/30	331	Kobuk	210	Kobuk River (Test Fish)	5	3	1 - 41	S, L, A	kb45tf94	kb45tf94as	kb45tf94l	675	624		x	x
1993	7/9	331	10	002	Kotzebue	1	4	1 -7	S,L,A	kz070993	kz070993a			254		x	x
1993	7/13	331	10	002	Kotzebue	1	4	8 -14	S,L,A	kz071393	kz071393a			274		x	x
1993	7/16	331	10	002	Kotzebue	1	4	15 -21	S,L,A	kz071693	kz071693a			267		x	x
1993	7/20	331	10	002	Kotzebue	1	4	22 - 28	S,L,A	kz072093	kz072093a			270		x	x
1993	7/23	331	10	002	Kotzebue	1	4	29 - 35	S,L,A	kz072393	kz072393a			272		x	x
1993	7/27	331	10	002	Kotzebue	1	4	36 - 42	S,L,A	kz072793	kz072793a			269		x	x
1993	7/30	331	10	002	Kotzebue	1	4	43 - 49	S,L,A	kz073093	kz073093a			275		x	x

(continued)

Appendix Table 1.C13. Kotzebue District chum salmon ASL data inventory, 1964-2000. (page 4 of 7).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1993	8/3	331	10	002	Kotzebue	1	4	50 - 56	S,L,A	kz080393	kz080393a			275		x	x
1993	8/6	331	10	002	Kotzebue	1	4	57 - 63	S,L,A	kz080693	kz080693a			259		x	x
1993	8/10	331	10	002	Kotzebue	1	4	64 - 70	S,L,A	kz081093	kz081093a			271		x	x
1993	8/13	331	10	002	Kotzebue	1	4	71 - 75	S,L,A	kz081393	kz081393a			158		x	x
1993	8/17	331	10	002	Kotzebue	1	4	76 - 82	S,L,A	kz081793	kz081793a			270		x	x
1993	8/20	331	10	002	Kotzebue	1	4	83 -84	S,L,A	kz082093	kz082093a			270		x	x
1993	8/24	331	10	002	Kotzebue	1	4	85 - 91	S,L,A	kz082493	kz082493a			265		x	x
1993	8/27	331	10	002	Kotzebue	1	4	92 - 98	S,L,A	kz082793				267		x	x
1993	7/9 - 8/27	331	10	002	Kotzebue	1	4	1 - 98	S,L,A	kzall93	kzall93as,**kzpballa		3,920	3,707		x	x
1993	7/24 - 9/13	331	Noatak	110	Noatak (Sonar)	3	3	1 - 58	S,L,A	no45tf93	no45tf93a		1,084	956		x	x
1993	9/3	331	Kobuk	230	Salmon River	4	12	1 - 22	S,L,A	sa45cr93	sa45cr93a		220	215		x	x
1993	8/29 - 9/1	331	Kobuk	220	Squirrel River	4	12	1 - 16	S,L,A	sq45cr93	sq45cr93a		160	157		x	x
1993	7/12 - 8/12	333	Kobuk	215	Kobuk River (Kiana)	5	3	1 - 27	S,L,A	kb45tf93	kb45tf93a		485	462		x	x
1992	7/10	331	10	002	Kotzebue	1	4	1 -7	S,L,A,C	kz071092			280	260		x	x
1992	7/14	331	10	002	Kotzebue	1	4	8 -14	S,L,A	kz071492			280			x	x
1992	7/17	331	10	002	Kotzebue	1	4	15 -21	S,L,A	kz071792			280			x	x
1992	7/21	331	10	002	Kotzebue	1	4	22 - 28	S,L,A	kz072192			280			x	x
1992	7/24	331	10	002	Kotzebue	1	4	29 - 35	S,L,A	kz072492			280			x	x
1992	7/28	331	10	002	Kotzebue	1	4	36 - 42	S,L,A	kz072892			280			x	x
1992	7/31	331	10	002	Kotzebue	1	4	43 - 49	S,L,A	kz073192			280			x	x
1992	8/3	331	10	002	Kotzebue	1	4	50 - 56	S,L,A	kz080392			280			x	x
1992	8/6	331	10	002	Kotzebue	1	4	57 - 63	S,L,A	kz080692			280			x	x
1992	8/6-7	331	10	002	Kotzebue	1	4	64 - 70	S,L,A	kz081192			280			x	x
1992	8/14	331	10	002	Kotzebue	1	4	71 - 77	S,L,A	kz081492			280			x	x
1992	8/21	331	10	002	Kotzebue	1	4	78 - 84	S,L,A	kz082192			280			x	x
1992	8/25	331	10	002	Kotzebue	1	4	85 - 91	S,L,A	kz082592			280			x	x
1992	8/28	331	10	002	Kotzebue	1	4	92 - 98	S,L,A	kz082892			280			x	x
1992	7/10 - 8/28	331	10	002	Kotzebue	1	4	1 - 98	S,L,A	otzall,otzall92,otzscm92*	otzalla, otzscm92a	otzscm92l	3,920	3,686		x	x
1992	9/5 - 9/7	331	Kobuk	230	Salmon River	4	12	1 - 28	S,L,A	sa45cr92	sa45cr92a	sa45cr92l	280	277		x	x
1992	9/21	331	Kobuk	270	Selby River (Carcass)	4	12	1 - 28	S,L,A	sb45cr92	sb45cr92a	sb45cr92l	280	273		x	x
1992	9/2	331	Kobuk	220	Squirrel River (Carcass)	4	12	1 - 16	S,L,A	sq45cr92	sq45cr92a	sq45cr92l	160	157		x	x
1992	9/24	331	Noatak	120	Noatak River	4	12	1 - 16	S,L,A	no45cr92	no45cr92a	no45cr92l	151	150		x	x
1991	7/11 - 8/30	331	10	002	Kotzebue	1	4	1 - 90	S,L,A	kz45cm91	kz45cm91as	kz45cm91l	3,400	3,292		x	x
1991	9/3 - 9/4	331	Kobuk	230	Salmon River	4	12	1 - 23	S,L,A	sa45cr91	sa45cr91a, *ktzesc91as	sa45cr91l,*no45bs91asl	225	215		x	x
1991	9/5 - 9/10	331	Kobuk	220	Squirrel River	4	12	1 - 23	S,L,A	sq45cr91	sq45cr91a, *ktzesc91as	sq45cr91l,*no45bs91asl	225	224		x	x
1991	9/16	331	Noatak	120	Noatak River	4	12	1 - 27	S,L,A	no45bs91	no45bs91asl, *ktzesc91as	no45bs91asl	265	250		x	x
1991	7/24 - 8/28	331	Noatak	115	Noatak (Test Fish)	5	3	1 - 29	S,L,A	no45dn91	no45dn91asl	no45dn91asl	434	419		x	x
1990	7/10 - 8/10	331	10	002	Kotzebue	1	4	1 - 60	S,L,A	kocgch90	kocgch90		2,400	2,284		x	x
1990	7/19 - 8/26	331	Noatak	110	Noatak (Sonar)	3	3	1 - 98	S,L,A	~~MISSING~~			359			x	
1990	9/11 - 9/12	331	Kobuk	220	Squirrel River	4	12	1 - 3	S,L,A	sqxbch90	sqxbch90a	sqbch90l	28	28		x	x
1990	9/18 - 1/19	331	Noatak	120	Noatak River	4	12	1 -22, 1-22	S,L,A	noxbch90		noxbch90l	440	421		x	x
1990	7/17 - 8/20	331	Noatak	115	Noatak (Test Fish)	5	3	1 - 16	S,L,A	notgch90	notgch90		400	374		x	x
1989	7/11 - 8/30	331	10	002	Kotzebue	1	4	1 - 90	S,L,A	kot1ch89	kot1ch89a		~3300	3,336			
1989	9/6 - 9/7	331	20	220	Squirrel R	4	4	1 - 27	S,L,A	sqr3ch89	sqr3ch89a			268			
1989	9/16	331	10	120	Noatak	*4	2	1 - 23	S,L,A	noa5ch89	noa5ch89a			229			
1989	7/18 - 8/23	331	10	115	Noatak	*5	4	1 - 60	S,L,A	noa3ch89	noa3ch89a			1,675			
1988	7/12 - 8/30	331	10	002	Kotzebue Sound	1	4	1 - 90	S,L,A	kot1ch88	kot1ch88a			3,324			
1988	8/21 - 8/23	331	10	120	Noatak	4	2	1 - 45	S,L,A	noa3ch88	noa3ch88a			443			
1988	9/6	331	20	230	Salmon R	4	12	1 - 16	S,L,A	sal3ch88	sal3ch88a			160			
1988	9/3 - 9/6	331	20	220	Squirrel R	4	12	1 - 36	S,L,A	squ3ch88	squ3ch88a			356			
1988	7/29 - 8/25	331	10	115	Noatak	5	3	1 - 54	S,L,A	noa5ch88	noa5ch88a			1,260			
1987	7/14 - 8/21	331	10	002	Kotzebue	1		1 - 54	A,L,S	~~MISSING~~				2,255	X		
1987	7/7 - 8/1	331	10	001	Kotzebue	2	*4	1 - 21	A,L	~~MISSING~~				353	X		
1987	9/4 - 9/5	331	20	230	Salmon R	4	*12	1 - 23	A,L,S	~~MISSING~~				2,258	X		
1987	8/31 - 9/2	331	20	220	Squirrel R	4	12	1 - 26	A,L	~~MISSING~~				2,259	X		
1987	7/23 - 8/27	331	10	115	Noatak	5	3	1 - 50	A	~~MISSING~~				2,256	X		
1987	9/17	331	10	120	Noatak	*	2	1 - 45	A,L,S	~~MISSING~~				2,257	X		
									(continued)								
1986	7/11 - 8/26	331	10	001	Kotzebue	1	4	1 - 84	S,L,A	Kotzchm			3,220	*3095			

Appendix Table 1.C13. Kotzebue District chum salmon ASL data inventory, 1964-2000. (page 5 of 7).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data * Raw	Electronic Data * Age Comp. Summary	Electronic Data * Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1986	9/1 - 9/3	331	20	230	Salmon R	4	12	1 - 22	S,L,A	SalmonR			220	*220			
1986	8/30 - 8/31	331	20	220	Squirrel R	4	12	1 - 20	S,L,A	Sqirlrv			200	*193			
1986	9/17 - 9/19	331	10	120	Lower Noatak	*4	2	1 - 46	S,L,A	Noahatch			460	**433			
1985	7/12 - 8/31	331	10	*002	Kotzebue	1	4	1 - 90	S,L,A	MISSING	kztab16, kztab17	kztab18	- 3400	3,290	X		
1985	9/3	331	10	135	Kelly Lake	4	2	10 - 24	S,L,A	MISSING	kztab17	kztab18	148	148			
1985	8/28	331	10	140	Kugururok	4	2	1-10	S,L,A	MISSING	kztab17	kztab18	330	100			
1985	9/17 - 9/19	331	10	120	Lower Noatak	4	4,2	1 - 58	S,L,A	MISSING	kztab17	kztab18	529	*568	X		
1985	9/6 - 9/7	331	10	121	Upper Noatak/below Kelly R	4	2	1 - 20	S,L,A	MISSING	kztab17	kztab18		197	X		
1985	8/21 - 8/24	331	20	230	Salmon R	4	2	11 - 46	S,L,A	MISSING	*kztab17	kztab18	*455	354	X		
1985	9/12	331	20	270	Selby Slough	4	2	1 - 6	S,L,A	MISSING	kztab17	kztab18	55	54	X		
1985	8/21 - 8/24	331	20	220	Squirrel R	4	2	1 - 10	S,L,A	MISSING	kztab17	kztab18	*455	100	X		
1984	7/10 - 8/22	331	10	002	Kotzebue	1	4	1 - 68	S,L,A	KtzCh84			2,000	1,985	X		
1984	9/9	331	30	330	Kugruk Lagoon	1	4	1	S,L,A	MISSING			2		X		
1984	8/14 - 8/16	331	00	300	Deering (ocean)	1	4	1 - 3	S,L,A	deer84			49	49	X		
1984	Sept	331	20	280	Beaver Creek	4	2	1A - 3B		MISSING			27		X		
1984	9/16	331	20	280	Beaver Creek	4	2	1A - 2A	S,L,A	beaver			43	42	X		
1984	8/6 - 8/8	331	20	220	Monarch Sand Bar/Squirrel R	4	2	1 - 5	S,L,A	MISSING			31		X		
1984	Sept	331	20	230	Salmon R	4	2	1A - 3B		MISSING			27		X		
1984	8/27 - 8/28	331	20	230	Salmon R	4	12	1 - 3	S,L,A,O	salmon			101	91	X		
1984	Sept	331	20	270	Selby R	4	2	1A - 3B	O	MISSING			30		X		
1984	8/22	331	20	220	Squirrel R	4			S,L,A,O	squirrel			100				
1984	9/7 - 9/8	331	20	220	Squirrel R	4	2	1A - 10A	S,L,A	MISSING			327		X		
1984	9/5 - 9/6	331	30	320	Inmachuk	4	*10	1A - 4D	S,L,A	inmasn84			99	97	X		
1984	9/26 - 10/2	331	30	320	Inmachuk	4	12	1A - 15B	S,L,A	MISSING			548		X		
1984	10/8	331	00	000	Ikalukirok Creek	4	*10	1A - 2D	S,L,A	MISSING			52		X		
1984	7/7 - 8/30	331	10	110	Noatak Sonar	5	4	1 - 75	S,L,A	MISSING			633	616	X		
1984	7/10 - 9/2	331	10	110	Noatak Sonar	5	4	1 - 46	S,L,A	kotmtf84			326	315	X		
1984	8/17 - 10/3	331	30	320	Inmachuk	5	4	1 - 25	S,L,A	MISSING			277		X		
1984	9/18	331	10		Noatak	*4		1 - 13	S,L,A	MISSING			380		X		
1984	8/21 - 8/22	331	40	420	Wulik	4 or 5	4	1 - 4	S,L,A	MISSING			62		X		
1983	7/12 - 8/4	331	10	002	Kotzebue	1	4	1 - 68		MISSING			239 ?				
1983	7/12 - 8/19	331	10	002	Kotzebue Sound	1	4	1 - 54	S,L,A	MISSING			1,470	1,373	X		
1983	8/29	331	10	140	Kugururok	4			S,L,A,O	MISSING			28				
1983	9/5	331	10		Noatak	4			S,L,A,O	MISSING			50				
1983	9/11	331	20	280	Beaver Creek	4			S,L,A,O	MISSING			5	*99			
1983	8/26	331	20	230	Salmon R	4			S,L,A,O	MISSING			50	51			
1983	9/13	331	20	270	Selby R	4			S,L,A,O	MISSING			52				
1983	9/1	331	10	135	Kelly Lake	1 (?)			S,L,A,O	MISSING			50	50			
1983	7/10 - 9/7	331	10	115	Noatak	4 or 5	4	1 - 77	S,L,A	MISSING			360	473	X		
1982	7/9 - 8/28	331	10	002	Kotzebue	1	4	1 - 29	L,A	MISSING			870		X		
1982	7/20 - 8/17	331	00	003	Sheshalik	1	4	1 - 10	L,A	MISSING			159		X		
1982	7/5 - 9/5	331	10	110	Noatak Sonar	4 or 5		1-2; 4-34	L,A	MISSING			444		X		
1981	7/10 - 8/18	331	10	002	Kotzebue	1	4	1 - 30	S,L,A	MISSING			900		X		
1981	8/6 - 8/28	331	00	003	Sheshalik	1	4	1 - 12	S,L,A	MISSING			190		X		
1981	9/3	331	10	130	Kelly	3	4	1 - 6	S,L,A	MISSING			60		X		
1981	9/1 -	331	10	110	Noatak	3	4	1 - 7	S,L,A	MISSING			60		X		
1981	7/1 - 8/28	331	10	115	Noatak	5	4	1 - 42	S,L,A	MISSING			877	631	X		
1980	7/11 - 8/27	331	10	002	Kotzebue	1	4	1-12; 17-24	L,A	MISSING			720	710	X		
1980	9/7 - 9/11	331	20	220	Squirrel R	4	12	1 - 41	L,A	MISSING				375	X		
1980	7/4 - 9/5	331	10	115	Noatak	5	4	1 - 59	L,A	MISSING			700	644	X		

(continued)

Appendix Table 1.C13. Kotzebue District chum salmon ASL data inventory, 1964-2000. (page 6 of 7).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1979	7/14 - 8/28	331	10	002	Kotzebue	1	4	1 - 23	L,A	MISSING			690	658	X		
1979	8/25	331	20	260	Ambler	1		1 - 7	A	MISSING			210	184	X		
1979	8/23	331	20	210	Kobuk	2		1	A	MISSING				24	X		
1979	9/2	331	00	008	Noorvik	2		1 - 11	A	MISSING			300	314	X		
1979	9/24 - 9/27	331			Noatak - Kobuk	2	*	1 - 5	A	MISSING			120	163	X		
1979	9/14	331	10	110	Noatak	4		1 - 2	A	MISSING				43	X		
1979	7/17 - 8/30	331	10	115	Noatak	5	4	1 - 8	L,A	MISSING			190	194	X		
1978	7/25 - 8/29	331	10	002	Kotzebue	1	4	1 - 18	L,A	MISSING			640	527	X		
1978	8/8 - 8/21	331	10	115	Noatak	5	4	1 - 13	L,A	MISSING			149		X		
1977	7/22 - 8/27	331	10	002	Kotzebue	1	4	1 - 21	L,A	MISSING			720	457	X		
1977		331	10	120	Noatak	2		1	A	MISSING			30		X		
1977		331	20	210	Kobuk	2		1 - 4	A	MISSING			120		X		
1977		331	00	010	Kiana	2		1		MISSING							
1977	7/24 - 8/28	331	10	115	Noatak	5	4	1 - 59	L,A	MISSING			365		X		
1977		331	00	008	Noorvik			1		MISSING							
1976	7/24 - 8/24	331	10	002	Kotzebue	1	4	1 - 20	L,A	MISSING				566	X		
1976	7/24 - 8/31	331	10	115	Noatak	5	4	1 - 39	L,A	MISSING				767	X		
1975	7/23 - 8/30	331	10	002	Kotzebue	1	4	1 - 8	L,A	MISSING				228	X		
1975	8/6 - 9/11	331	10	115	Noatak	5	4	1-20, 1A-4A	L,A	MISSING			600	448	X		
1975	8/8-8/24	331			Deering		4		A	MISSING				96			
1974	7/28 - 8/17	331	10	002	Kotzebue	1	4	16 - 28	L,A	MISSING			390	350	X		
1974	8/21 - 8/28	331	00	000	Deering	1	4	29 - 32	L,A	MISSING				111	X		
1974	8/1 - 8/29	331	10	120	Noatak	*1	4		S	MISSING			1,680		X		
1973	7/23-8/22	331	10	002	Kotzebue	1	4	-	A	MISSING				598			
1972		331	10	002	Kotzebue	1	4	-	A	MISSING				980			
1971		331	10	002	Kotzebue	1	4	-	A	MISSING				1,105			
1970	7/22 - 8/6	331	10	002	Kotzebue	1	4	-	L,A	MISSING			300	267	X		
1969	7/25 - 8/27	331	10	002	Kotzebue	1	4	1 - 40	L,A	MISSING			1,200	1,131	X		
1968	7/14 - 8/13	331	10	002	Kotzebue	1	4	1 - 82	A	MISSING				1,989			
1968	9/10	331	10	120	Noatak	2	2	1 - 4		MISSING							
1968	8/27 -	331	20	210	Kobuk	2	4	1	L,A,W	MISSING					X		
1968	7/30 - 8/20	331	00	010	Kiana	2	4	1 - 4	L,A,W	MISSING					X		
1968	8/9 - 8/20	331	00	008	Noorvik	2	4	1 - 2	L,A,W	MISSING					X		
1968	7/14 - 8/18	331	00	001	Kotzebue	5	4	1 - 64		MISSING							
1967		331	10	002	Kotzebue	1	4	1 - 70	A	MISSING				1,865			
1967		331	10	120	Noatak	2		1 - 4		MISSING							
1967		331	20	210	Kobuk	2		1		MISSING							
1967		331	20	210	Kobuk	2		1		MISSING							
1967		331	20	230	Salmon R	2		1		MISSING							
1967		331	20	223	Squirrel R	2		1		MISSING							
1967		331	00	010	Kiana	2		2 - 4		MISSING							
1967		331	00	008	Noorvik	2		1		MISSING							

(continued)

Appendix Table 1.C13. Kotzebue District chum salmon ASL data inventory, 1964-2000. (page 7 of 7).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1966	6/24 - 7/26	331	10	002	Kotzebue	1	4	1 - 18	L,A	~~MISSING~~			510	430	X		
1965	7/27 - 8/18	331	10	002	Kotzebue	1	4	1 - 17	L,A	~~MISSING~~			510	480	X		
1965	8/19 - 8/25	331	20	120	Kobuk	4	2	18 - 24	L,A	~~MISSING~~			201	177	X		
1964	8/4 - 8/20	331	10	002	Kotzebue	1	4	1 - 16	L,A	~~MISSING~~			480	463	X		
1963	7/23 - 8/17	331	10	002	Kotzebue Sound	1	4	*1 - 11	L,A	~~MISSING~~			300	255	X		
1962	8/10 - 8/11	331	10	002	Kotzebue Sound	1	4	*1 - 6	L,A	~~MISSING~~			89	62	X		

[a] Not all historic electronic data has been located. Data may not have been transferred to electronic media; files may have been corrupted; or missing 5 1/4 still need to be located.

[b] All raw data files are of ASCII type, with the exception of 1999-2000 Yukon files having the extension of JUN. These files have been created in Excel.

[c] Refer to tables 1.1-1.6 for descriptions of corresponding file formats.

[d] Age comp and length summary files may be opened with Kedit (PRN, AS, L), Word (DOC, WP, WP5), and Excel (WKAL, XLS, WK3, WK1, WKS)

[e] RIR - Regional Information Report, TDR - Technical Data Report, TFR - Technical Fisheries Report, AWL - Age, Sex, and Size Composition Report, AMR- Annual Management Report, AAFI - Arctic Anadromous Fish Investigations

[f] Refer to table 1.1 for listing of all ASL source reports.

Appendix Table 1.C14. Norton Sound and Kotzebue Districts coho salmon ASL data inventory, 1964-2000. (page 1 of 2).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
2000	7/28 - 8/23	333	60	648	Unalakleet	1	4	1 - 15		~~MISSING~~			250		x	x	x
2000	7/24 - 9/4	333	60	649	Unalakleet	5	4	1 - 41		~~MISSING~~			184		x	x	x
1999	8/3 - 8/17	333	60	648	Unalakleet	1	4	1-20	S,L,A	unk43cmsgn99	unk43cmsgn99as	unk43cmsgn99l	200	186	x	x	x
1999	8/12	333	20	258	Niukluk River	3	10	11		~~MISSING~~			2			x	x
1999	7/30 - 9/2	333	60	649	Unalakleet	5	4	1 -13	S,L,A	unk-43tfsgn99	unk43tfsgn99as	unk43tfsgn99l	111	103	x	x	x
1998	8/4 - 8/5	333	60	648	Unalakleet	1	4	1 - 16	S,L,A	~~MISSING~~			160	135		x	x
1998	7/29 - 9/4	333	60	649	Unalakleet	5	4	1 - 16	S,L,A	~~MISSING~~			126			x	x
1997	8/5 - 8/12	333	60	648	Unalakleet	1	4	1 - 16	S,L,A	un43cm97	un43cm97asl	un43cm97asl	160	135		x	x
1997	7/19 - 8/29	333	20	258	Niukluk River	3	2	1 - 21	S,L,A	ni43bs97	ni43bs97as	ni43bs97l	98	83	x	x	x
1997	8/4 - 8/29	333	60	649	Unalakleet	5	4	1 - 16	S,L,A	un43tf97	un43tf97asl	un43tf97asl	89	64		x	x
1996	7/31 - 8/3	333	60	648	Unalakleet	1	4	1 - 18	S,L,A	un43cm96	un43cm96asl	un43cm96asl	180	150		x	x
1996	7/16 - 8/26	333	60	649	Unalakleet	5	4	1 - 27	S,L,A	un43tf96	un43tf96asl	un43tf96asl	211	174		x	x
1996	7/28 - 8/21	333	20	258	Niukluk River	7	10	1 - 32	S,L,A	ni43rr96	ni43rr96asl	ni43rr96asl	233	202		x	x
1996	9/3 - 10/6	333	20	258	Niukluk River	7	12	33 - 68	S,L,A	ni43cr96	ni43cr96asl	ni43cr96asl	252	209		x	x
1995	8/2 - 8/9	333	60	648	Unalakleet	1	4	1 - 20	S,L,A	un43cm95	un43cm95a		200	176		x	x
1995	7/21	333	30	343	Kwiniuk River	3	2	1	S,L,A	kw43bs95			1			x	x
1995	7/24 - 9/11	333	60	649	Unalakleet	5	4	1 - 29	S,L,A	un43tf95	*un43tf95a		103	*77		x	x
1995		333	20	258	Niukluk River				S,L,A	ni43hl95				80			
1994	8/2 - 8/30	333	60	648	Unalakleet	1	4	1 - 30	S,L,A	un43cm94	un43cm94as		300	258		x	x
1994	7/11 - 9/7	333	60	649	Unalakleet	5	4	1 - 45	S,L,A	un43tf94	un43tf94as		209	183		x	x
1993	8/6 - 8/16	333	60	648	Unalakleet	1	4	1 - 16	S,L,A	un43cm93	un43cm93as		160	123		x	x
1993	7/26 - 9/8	333	60	649	Unalakleet	5	4	1 - 35	S,L,A	un43tn93	un43tn93as		142	116		x	x
1992	7/28 - 8/11	333	60	648	Unalakleet	1	4	1 - 20	S,L,A	un43cm92	un43cm92a	un43cm92l	200	180		x	x
1992	7/20 -9/8	333	60	649	Unalakleet	5	4	1 - 50	S,L,A	un43tn92	un43tn92a	un43tn92l	275	253		x	x
1991	8/6 - 8/16	333	60	648	Unalakleet	1	4	1 - 16	S,L,A	un43cm91	un43cm91as	un43cm91l	160	143		x	x
1991	7/23 - 9/12	333	60	649	Unalakleet	5	4	1 - 40	S,L,A	un43tn91	un43tn91as	un43tn91l	176	167		x	x
1990	7/27 - 8/21	333	60	649	Unalakleet	1	4	1 - 34	S,L,A	uncgco90	uncgco90a		340	299		x	
1990	8/7 - 9/2	333	50	550	Shaktoolik R.	3	2	1 - 9	S,L,A	shxgch90		shxgclenl	59	52		x	x
1990	7/30 - 9/12	333	60	649	Unalakleet	5	4	1 - 44	S,L,A	untfco90	untfco90a		261	238		x	x
1989	7/26 - 8/5	333	60	649	Unalakleet	1	4	1 - 18	S,L,A	unk1co89	unk1co89a			156			
1989	7/30 - 8/21	333	50	547	Shaktoolik	4	4	1 - 9	S,L,A	shk7co89			29				
1989	7/13 - 9/10	333	60	648	Unalakleet	5	4	1 - 40	S,L,A	unk5co89	unk5co89a			142			
1988	7/29 - 8/13	333	60	649	Unalakleet	1	4	1 - 26	S,L,A	unk1co88	unk1co88a			248			
1988	8/30	331	10	002	Kotzebue	1	4	1	S,L	~~MISSING~~							
1988	7/7 - 9/9	333	60	648	Unalakleet	5	4	1 - 39	S,L,A	unk5co88	unk5co88a			141			
1988	9/26 - 10/3	331	30	320	Inmachuk	5	4	1 - 5	S,L,A	~~MISSING~~			10		X		
1987	7/28 - 8/28	333	60	649	Unalakleet	1	4	1 - 12	S,L,A	~~MISSING~~	UC87CO	UC87CO	456	*278	X		
1987	7/30 - 9/7	333	60	648	Unalakleet	5	4	1 - 23	S,L,A	~~MISSING~~	UTF87CO	UTF87CO	134	*119	X		
1986	8/1 - 8/22	333	60	649	Unalakleet	1	4	1 - 9	S,L,A	Comcoho			300	*223			
1986	7/18 - 9/10	333	60	649	Unalakleet	5	4	1 - 23	S,L,A	Unkcoho				*128			

(continued)

Appendix Table 1.C14. Norton Sound and Kotzebue Districts coho salmon ASL data inventory, 1964-2000. (page 2 of 2).

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1985	8/3 - 8/13	333	60	649	Unalakleet	1	4	1 - 9	S,L,A	~~MISSING~~	Nsa6-18, Nscoho		340	*243	X		
1985	7/24 - 9/21	333	60	649	Unalakleet	5	4	1 - 42	S,L,A	~~MISSING~~	Nsa6-18, Nscoho		183	*169	X		
1984	8/1 - 8/24	333	60	649	Unalakleet	1	4	1 - 11	S,L,A	~~MISSING~~			300	*153	X		
1984	7/13 - 9/24	333	60	648	Unalakleet	4	4	1 - 49	S,L,A	~~MISSING~~			258	*227	X		
1984	9/19	331	30	350	Buckland			1		~~MISSING~~			1				
1983	7/29 - 8/23	333	60	649	Unalakleet	1	4	1 - 9	S,L,A	~~MISSING~~			300		X		
1983	7/24 - 9/23	333	60	648	Unalakleet	5	4	*1 - 78	S,L,W,A	~~MISSING~~			316		X		
1982	7/24 - 9/2	333	60	649	Unalakleet	5	4	54 - 138	S,L,W,A	~~MISSING~~			345+	228	X		
1982	7/24-9/10	333	60	649	Unalakleet	*				~~MISSING~~				92			
1981	7/28 - 9/20	333	60	648	Unalakleet Site 1	5	4	*53 - 158	L,A	~~MISSING~~			88		X		
1981	8/8	333	60	648	Unalakleet Site 3	5	4	53 - 54	L,A	~~MISSING~~			2		X		
1981	7/28 - 9/11	333	60	648	Unalakleet Site 4	5	4	57 - 74	L,A	~~MISSING~~			13		X		
1980	8/9 - 8/23	333	60	649	Unalakleet	1	4	1 - 9	L,A	~~MISSING~~					X		
1975	7/30 - 8/5	333	30		Kwiniuk	1	4	25,28,35,36		~~MISSING~~							
1963	8/5	333	60	649	Unalakleet	1	4	1	L,A	~~MISSING~~			25		X		
1963	8/22	333	10	151	Nome	7	10	1		~~MISSING~~			6		X		

[a] Not all historic electronic data has been located. Data may not have been transferred to electronic media; files may have been corrupted; or missing 5 1/4 disks still need to be located.
[b] All raw data files are of ASCII type, with the exception of 1999-2000 Yukon files having the extension of JUN. These files have been created in Excel.
[c] Refer to tables 1.1-1.6 for descriptions of corresponding file formats.
[d] Age comp and length summary files may be opened with Kedit (PRN, AS, L), Word (DOC, WP, WP5), and Excel (WKAL, XLS, WK3, WK1, WKS)
[e] RIR - Regional Information Report, TDR - Technical Data Report, TFR - Technical Fisheries Report, AWL - Age, Sex, and Size Composition Report, AMR- Annual Management Report, AAFI - Arctic Anadromous Fish Investigations
[f] Refer to table 1.1 for listing of all ASL source reports.

Appendix Table 1.C15. Norton Sound, Kotzebue, and Port Clarence Area sockeye salmon ASL data inventory, 1963-1991.

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1991	7/19	333	60	648	Unalakleet	5	4	1	S,L,A	un42cm91	un42cm91as		2		x	x	
1989	7/19 - 9/4	333	60	648	Unalakleet	5	4	1 - 6	S,L,A	unk5so89			7				
1989	7/11	331	10	002	Kotzebue		4	1		~~MISSING~~							
1988	8/11 - 9/8	333	60	648	Unalakleet	5	4	1 - 2	S,L,A	unk5so88			3				
1987	9/5	333	60	648	Unalakleet	5	4	1 - 3	S,L,A	~~MISSING~~	UTF87S	UTF87S	3				
1984	8/22	331	40	420	Wulik		4	1		~~MISSING~~							
1984	9/8	331			Ikalukrok Creek		10	1		~~MISSING~~							
1984	9/26 - 9/27	331	30	320	Inmachuk		10	1A,1B		~~MISSING~~							
1983	7/22 - 8/11	333	60	648	Unalakleet	5	4	1 - 7		~~MISSING~~							
1981	8/14 - 8/21	333	60	648	Unalakleet	2	4	1 - 3		~~MISSING~~							
1979	7/12 - 8/1	333	00	050	Glacier Lake	3	19	1 - 21		~~MISSING~~							
1963	8/10	332	00	050	Salmon Lake			1		~~MISSING~~			8				

[a] Not all historic electronic data has been located. Data may not have been transferred to electronic media; files may have been corrupted; or missing 5 1/4 disks still need to be located.

[b] All raw data files are of ASCII type, with the exception of 1999-2000 Yukon files having the extension of JUN. These files have been created in Excel.

[c] Refer to tables 1.1-1.6 for descriptions of corresponding file formats.

[d] Age comp and length summary files may be opened with Kedit (PRN, AS, L), Word (DOC, WP, WP5), and Excel (WKAL, XLS, WK3, WK1, WKS)

[e] RIR - Regional Information Report, TDR - Technical Data Report, TFR - Technical Fisheries Report, AWL - Age, Sex, and Size Composition Report, AMR- Annual Management Report, AAFI - Arctic Anadromous Fish Investigations

[f] Refer to table 1.1 for listing of all ASL source reports.

Appendix Table 1.C16. Norton Sound/Kotzebue Districts pink salmon data electronic ASL data files, based on scale card inventory, 1965-1979.
No Norton Sound and Kotzebue District historic electronic pink salmon raw ASL data files have been located.

Year	Dates	Area	Subdistrict	Location Code	Location	Project	Gear	Card #s	Data Collected	Electronic Data [a] Raw	Age Comp. Summary	Length by age Summary	# of Samples	# Aged	AWLs	Gum Cards	Acetates
1979	7/14 - 7/30	331	10	115	Noatak	5				~~MISSING~~							
1978	7/9 - 7/15	331	10	002	Kotzebue	1	4	1 - 3	L	~~MISSING~~			90				X
1978	7/3-7/9	333			Nome	1	4			~~MISSING~~			60				
1978	7/11-7/14	333			Kachavik	2	2			~~MISSING~~			78				
1977	6/23-7/13	333	60	649	Unalakleet					~~MISSING~~			438				
1977	7/7-7/27	333			Kachavik	2				~~MISSING~~			161				
1976	6/23/2025	333	60	649	Unalakleet	1	4		A,S	~~MISSING~~			60				
1976	7/22	333			Chirosky R.	3	12		A,S	~~MISSING~~			31				
1976	6/27 - 7/12	333	60		Unalakleet	5	4		A,S	~~MISSING~~			225				
1976	6/27 - 7/12	333	60		Unalakleet	5	4		A,S	~~MISSING~~			37				
1965		333	30	345	Kwiniuk				A,S,L	~~MISSING~~			23				

[a] Not all historic electronic data has been located. Data may not have been transferred to electronic media; files may have been corrupted; or missing 5 1/4 disks still need to be located.

[b] All raw data files are of ASCII type, with the exception of 1999-2000 Yukon files having the extension of JUN. These files have been created in Excel.

[c] Refer to tables 1.1-1.6 for descriptions of corresponding file formats.

[d] Age comp and length summary files may be opened with Kedit (PRN, AS, L), Word (DOC, WP, WP5), and Excel (WKAL, XLS, WK3, WK1, WKS)

[e] RIR - Regional Information Report, TDR - Technical Data Report, TFR - Technical Fisheries Report, AWL - Age, Sex, and Size Composition Report, AMR- Annual Management Report, AAFI - Arctic Anadromous Fish Investigations

[f] Refer to table 1.1 for listing of all ASL source reports.

Appendix Table 1.D1. Kuskokwim Area ASL sampling location codes.

Location	District	Sub-District	Location Code
Aniak R.	335	20	109
Bethel	335	10	104
Fowler Island	335		103
George R.	335		
Goodnews Bay	335	50	108
Goodnews River Weir (Middle Fork)	335	50	118
Johnson R.	335	11	113
Kailik R.	335		115
Kanektok R.	335	40	105
Kgun Lake	335		116
Kisaralik R.	335	10	111
Kogrukluk, Ignatti, Holitna Weir	335	30	110
Kogrukluk, Ignatti, Kashegelok Weir	335	30	114
Kolt R.	335		
Kuskokwim R.	335	10	101
Kwegooyuk	335	11	102
Kwethluk R.	335	20	112
Lake Kagati	335		107
Quinhagak	335	40	106
Salmon R. (Aniak)	335		117
Salmon R. (Pitka)	335	30	119
Stoney R.	335		
Tatlawiksuk	335		
Tuluksak Weir	335	14	080

Appendix 1.D2. Yukon Area ASL sampling location codes. (page 1 of 3).

Location	District	Sub-District	Location Code
Alakaket, Alaska	334		224
Alatna, Alaska	334		225
Alukanuk, Alaska	334		058
Andreafsky River, East Fork	334	20	071
Andreafsky River, West Fork	334	20	063
Anvik Bluff, Alaska	334	44	083
Anvik River	334	44	064
Barton Creek	334		103
Bear Feed Creek	334	50	314
Big Eddy Test Fish	334	10, 14	057
Big Salmon River	334		082
Blind Creek	334		312
Cassiar Creek	334	50	326
Chandalar River	334	50	210
Chatanika, Bluff Cabin Slough	334	63	209
Chena River	334	60, 63	066
Chulitna River	334	20	212
Circle, Alaska	334		097
Clear Creek Hatchery	334	40	206
Cliff Creek	334	50	327
Dawson, Y.T., Canada	334	50	069
Delta Clearwater River	334		205
Delta River	334	60	089
Dogfish Village, Alaska	334		077
Eagle, Alaska	334		098
Emmonak, Alaska	334	10	080
Fairbanks, Alaska	334	60	090
Fish Village, Alaska	334		221
Fishing Branch River	334	50	099
Fort Selkirk, Y.T., Canada	334		324
Fort Yukon, Alaska	334		094
Galena, Alaska	334	42	086
Gisasa River	334	40	201
Goodpaster River	334	60	068
Grayling, Alaska	334	45	084
Haul Road Bridge	334	53	102
Henshaw Creek	334	40	211
Holy Cross, Alaska	334		079
Hughes, Alaska	334		222
Huslia, Alaska	334		223
Ingersoll Islands, Y.T., Canada	334	50	321
Ingrihak, Alaska	334		074
Jim River	334	40	207
Kaltag River	334		226

(continued)

Appendix 1.D2. Yukon Area ASL sampling location codes. (page 2 of 3).

Location	District	Sub-District	Location Code
Kaltag, Alaska	334	46	087
Klondike River	334		315
Kluane River	334	50	322
Koidern River	334		309
Koyukuk River, South Fork	334	40, 42	208
Little Salmon River	334	50	300
Manley, Alaska	334	61	088
Marshall, Alaska	334	20	073
McQuesten River	334	50	316
Melozitna River	334	40	203
Michie Creek	334	50	303
Middle Mouth	334	15	059
Minto, Alaska	334	50	323
Moose Rock	334	50	329
Morley Creek	334	50	311
Mountain Village, Alaska	334		062
Nenana, Alaska	334	62	091
Nisutlin River	334	50	301
Nordenskjold River	334	50	306
North Mouth	334		060
Nulato River	334		065
Nulato, Alaska	334	45	085
Ohogamiut, Alaska	334		075
Paimiut, Alaska	334		078
Pelly River	334	50	313
Pilot Station, Alaska	334	20	081
Porcupine River	334	50	204
Rampart Rapids	334	52	101
Rampart, Alaska	334	53	093
Rodo River	334	40	213
Ross River	334	50	305
Ruby, Alaska	334	43	095
Russian Mission, Alaska	334		076
Salcha River	334	60, 63	067
Sheenjek River	334	54	100
Sheep Creek (Sheep Rock)	334	50	325
St. Marys, Alaska	334	20	061
Stevens Village, Alaska	334	40	096
Stink Creek	334	41	220
Swift River	334	50	302
Takhini River	334	50	308
Tanana River (near Timber)	334	63	215
Tanana, Alaska	334	52	092
Tatchun Creek	334	50	304
Teslin, B.C., Canada	334		072

(continued)

Appendix 1.D2. Yukon Area ASL sampling location codes. (page 3 of 3).

Location	District	Sub-District	Location Code
Toklat River	334	61	202
Tozitna River	334	40	214
White Rock	334	50	328
Whitehorse, Y.T., Canada	334		070
Wolf River	334	50	310
Y.R.B.S. Tagging site	334	50	320
Yukon Crossing, Y.T., Canada	334	50	307

Appendix Table 1.D3. Norton Sound Area ASL sampling location codes.

Location	District	Sub-District	Location Code
Bonanza River	333		160
Egavik River	333	60	610
Eldorado River (other than the tower)	333		157
Eldorado River Tower	333		156
Feather River	333		020
Fish River	333		260
Flambeau River	333		159
Glacial Lake	333		050
Golovin Bay	333	20	241
Golsovia River	333		620
Inglutalik River	333		430
Kachavik River	333		251
Kogok River	333		040
Koyuk River	333		420
Kwiniuk Inlet	333	33	346
Kwiniuk Marine East	333	32	349
Kwiniuk Marine West	333	31	348
Kwiniuk River (above channel)	333	30	343
Kwiniuk River (below channel)	333		344
Kwiniuk River Tower	333		345
Niukluk River	333		258
Nome River (other than the tower)	333		151
Nome River Tower	333		150
Nome Subdistrict (marine waters)	333		152
North River	333		655
Norton Bay Subdistrict Marine	333	40	410
Penny River	333		158
Pikmiktalik River	333		060
Safety Lagoon / Bonanza Channel	333		161
Shaktoolik River	333		550
Shaktoolik River Tower	333		555
Shaktoolik Subdistrict Marine	333	50	547
Sinuk River	333		054
Snake River (other than the tower)	333		153
Snake River Tower	333		154
Solomon River	333		155
Tisuk River	333		030
Tubutulik River	333		347
Unalakleet River (other than test fish)	333		650
Unalakleet River Test Fish	333		649
Unalakleet Subdistrict Marine	333		648
Ungalik River	333		440

Appendix Table 1.D4. Kotzebue Area ASL sampling location codes.

Location	District	Sub-District	Location Code
Ambler River	331		260
Beaver Creek	331		280
Buckland River	331		350
Goodhope River	331		310
Hotham Inlet (Kobuk Lake)	331		440
Inmachuk River	331		320
Kelly River	331		130
Kivalina River	331		410
Kiwalik River	331		340
Kobuk River (below Squirrel River)	331		210
Kobuk River Test Fish (Kiana)	331		215
Kotzebue Sound (Commercial Catch)	331	10	002
Kugruk River	331		330
Kugururok River	331		140
Nimiuktuk River	331		150
Noatak River (below Kelly River)	331		120
Noatak River Sonar	331		110
Noatak River Test Fish	331		115
Salmon River	331		230
Selawik River and Lake	331		360
Selby River and Slough	331		270
Sikusuilaq Hatchery	331		125
Sisaulik	331		430
Squirrel River	331		220
Tutuksuk River	331		240
Tutuksuk River to Ambler River	331		250
Wulik River	331		420

Appendix Table 1.D5. Port Clarence Area ASL sampling location codes.

Location	District	Sub-District	Location Code
Agiapuk River	332		035
Grand Central River	332		055
Grantly Harbor	332	54	025
Immuruk Basin	332	52	030
Kuzitrin River	332		040
Pilgrim River	332		045
Port Clarence	332	56	020
Port Clarence / Marine North	332	60	010
Port Clarence / Marine South	332	58	015
Salmon Lake	332		050

Appendix Table 1.D6. Header and specimen line codes for file format type "A" raw ASL. Juniper Excel electronic files.[ab]

Header Record (line 1)	
Description	Columns
District	A
Subdistrict	B
Location code	D. E[1]
Month	E[2-3]
Day	E[4-5]
Year	E[6-7]
Mesh Size	E[9-10]
Length Type	E[11]
Gear Type	E[12]
Species Code	E[13-14]

Specimen Record (line 3,4)	
Description	Columns
Card Number	A
Specimen Number	B
Sex	C
Length (mm)	D
Age	E

[a] File extension: JUN (Yukon 1999-2000)

[b] Example:

334	10		0 8	00 62501 0852341
Card	Fish	Sex	Length	Age
1	1	F	815	1.4
1	2	F	930	1.4

Appendix Table 1.D7. Header and specimen line codes for file format type "B" raw ASL. Juniper Excel electronic files.[ab]

Header Record (line 1)	
Description	Columns
Record Type (Header :)	1
District	2-4
Subdistrict	5-6
Stream	7-9
Location code	10-12
Project	13
Month	14,15
Day	16-17
Year	18-19
Period	20-21
Gear Type	22-23
Mesh size	24-25
Length Type	26
# scales	27
Species Code	28-29

Specimen Record (line 2)	
Description	Columns
Record Type (Specimen ;)	1
Card number	2-4
Specimen number	5-6
Sex	7
Length (mm)	9-11
Age	12-13
Age Error Code	14

[a] File extension: JUN (Kuskokwim 1999)

[b] Example:

```
:33540  0  01 62199 1 3 62341
;  1 1F 85414
```

Appendix Table 1.D8. Header and specimen line codes for file format type "C" raw ASL. electronic files.[ab]

Header Record (line 1)	
Description	Columns
Record Type (Header :)	1
District	2-4
Subdistrict	5-6
Stream Code (not used)	7-9
Location code	10-12
Project	13
Month	14-15
Day	16-17
Year	18-19
Period	20-21
Gear Type	22-23
Mesh Size	24-26
Card Number	27-29
length type?	30-32?
AWL Form Number	35-40

Specimen Record (line 2)	
Description	Columns
Record Type (Specimen ;)	1
Specimen number	2-3
Species	4-5
Sex (1=Male, 2=Female)	6
Length (mm)	8-10
Weight	11-14
Age	15-16
Age Error Code	17

[a] File Exentions: .DAT (Yukon 1964-70 and all of AYK 97-2000), .OPS, .RAW, .AWL, .ASL, .REF, .AWR (all of AYK 97-2000)

[b] Example:

```
:331      2105070997  03  800123200245750
; 1451 640     04
```

Appendix Table 1.D9. Header and specimen line codes for file format type "D" raw ASL. electronic files.[ab]

Header Record (line 1)	
Description	Columns
AWL form # (?)	1-8
Species code	10-11
District code	13-15
Subdistrict code	17-18
Stream	20-22
Location	24-26
Project	29
Month	31-32
Day	34-35
Year	37-38
Period	40-41
Gear type	42-43
Mesh Size	44-45
Length Type	46
Card number	51-52

Speciman Record (line 2,3)	
Description	Columns
Specimen number	1-2
Sex (1=Male, 2=Female)	4
Length (mm)	7-9
Age	11-12

[a] For file Exentions: .AWL, .ASL , .ESC,.CC, .FILE, .SUB, .E, .C, .CS .OCS, .CAT, .TF, .TOT,. P1-P7, .DBM, .BAK (all of AYK 1984-97)

[b] Example:

```
00042791 45 331-00-000-000  1 07/17/84 0304602     7
 1 1  581 03
 2 1  558 03
```

Appendix Table 1.D10. Header and specimen line codes for file format type "E" raw ASL. electronic files.[ab]

Header Record (line 3)	
Description	Columns
Hour	1-2
Minute	4-5
Seconds	7-8
Month	10-11
Day	13-14
Year	16-17

Header Record (line 4)	
Description	Columns
Month	2-3
Day	4-5
Year	6-7
District	9-11
Subdistrict	13-14

Subheader Record (line 5)	
Description	Columns
Card number (page Number)	2-5

Specimen Record (line 6)	
Description	Columns
Specimen Number	1-3
Length (mm)	4-7
Sex (F=Female, M=Male)	8
Age	9-10

[a] File extensions .FMB,.DMP, .EDI, .CCE (Kotzebue 1986-00)

[b] Example:

```
F4099G
27669
16:38:01 07/17/92
d0717
p0015
s01L583F04
```

Appendix Table 1.D11. Header and specimen line codes for file format type "F" raw ASL. electronic files.[ab]

Header Record (line 1)	
Description	Columns
Record Type (Header :)	1
Species	2-3
District	4-6
Subdistrict	7-8
Stream	9-11
Location code	12-14
Project	15-16
Month	17-18
Day	19-20
Year	21-22
Period	23-24
Gear Type	25-26
Mesh Size	27-28
Card Number	34-36

Specimen Record (line 2)	
Description	Columns
Record Type (Specimen ;)	1
Specimen number	2-3
Sex (1=Male, 2=Female)	4
Length (mm)	6-8
Weight	9-12
Age	13-14
Age Error Code	15

[a] File Exentions: .DAT (Yukon 1983); .AWL (64-68 Yukon)

[b] Example:

```
:413346000009102071983010800020020 02
;011 838     24
```

Appendix Table 1.D12. Codes for the Kuskokwim, Yukon, Norton Sound, and Kotzebue ASL data inventory tables.

Project Type [a]	*Code*
Commercial Catch	1
Subsistence Catch	2
Escapement (tower, weir, sonar, etc.)	3
Escapement (spawning grounds)	4
Test Fishing	5
Sport Catch (marine)	6
Sport Catch (freshwater)	7

Gear Type [a]	
Trap	0
Purse Seine	1
Beach Seine	2
Drift Gillnet	3
Set Gillnet	4
Troll	5
Long Line	6
Otter Trawl	7
Fishwheel	8
Pots	9
Sport Hook and Line	10
Herring Purse Seine	11
Handpicked or carcass	12
Dip Net	13
Unassigned	14 - 16
Beam Trawl	17
Shovels	18
Weir	19
Unassigned	20 - 99

Length Type [a]	
Tip of snout to fork of tail	1
Mid-eye to fork of tail	2
Post orbit to fork of tail	3
Mid-eye to hypural plate	4
Post orbit to hypural plate	5
Unassigned	6

Species [a]	*Code*
Chinook	41
Sockeye	42
Coho	43
Pink	44
Chum	45

Summary Table Type	
Age and Sex Composition	C
Length by Age Composition	L/A
Harvest by Age, Sex	H
Sex Composition	S

Data Type Collected	
Sex	S
Length	L
Weight	W
Age	A
Otoliths	O
Vertabrae	V

Age Error [a]	
Otolith	1
Inverted	2
Regenerated	3
Illegible	4
Missing	5
Reabsorbed	6
Wrong species	7
Not preferred	8

[a] all designations are the same as those that appear on ADF&G Adult Salmon Age-Length forms (AWL forms)

Appendix Table 1.D13. AYK salmon age, sex and size composition reports, 1962-1999. (page 1 of 4).

Year	Report Type and Number [a]	Author(s)	Report Title
1999	RIR 3A00-18 RIR 3A00-21	L. Dubois, D. Molyneaux T. Kohler	Salmon age, sex, and length catalog for the Kuskokwim Area, 1999 progress report. Norton Sound and Kotzebue Sound management area salmon catch and escapement report, 1999.
1998	RIR 3A99-15 RIR 3A99-31	D. Molyneaux, L. Dubois T. Kohler	Salmon age, sex, and length catalog for the Kuskokwim Area, 1998 progress report. Norton Sound and Kotzebue Sound management area salmon catch and escapement report, 1998.
1997	RIR 3A98-15 RIR 3A98-27	D. Molyneaux, L. Dubois T. Lingnau	Salmon age, sex, and length catalog for the Kuskokwim Area, 1996-1997 progress report. Norton Sound and Kotzebue Sound management area salmon catch and escapement report, 1997.
1996	RIR 3A98-15 RIR 3A97-21	D. Molyneaux, L. Dubois T. Lingnau	Salmon age, sex, and length catalog for the Kuskokwim Area, 1996-1997 progress report. Norton Sound and Kotzebue Sound management area salmon catch and escapement report, 1996.
1995	RIR 3A96-31 RIR 3A96-23	D. Molyneaux, L. Dubois T. Lingnau	Salmon age, sex, and length catalog for the Kuskokwim Area, 1995 progress report. Norton Sound and Kotzebue Sound management area salmon catch and escapement report, 1995.
1994	RIR 3A96-16 RIR 3A95-07	J. Menard T. Lingnau	Age, Sex , and Size of Yukon River Salmon Catches and Escapements, 1994 Norton Sound and Kotzebue Sound management area salmon catch and escapement report, 1994.
1993	RIR 3A95-04 RIR 3A94-15	J. Menard T. Lingnau	Age, Sex , and Size of Yukon River Salmon Catches and Escapements, 1993 Norton Sound and Kotzebue Sound management area salmon catch and escapement report, 1993.
1992	RIR 3A94-29 TFR 94-05	Dan J. Schneiderhan Tracy Lingnau	Age, Sex , and Size of Yukon River Salmon Catches and Escapements, 1992 Norton Sound and Kotzebue Sound management area salmon catch and escapement report, 1992.
1991	TFR 92-13	Tracy Lingnau	Norton Sound and Kotzebue Sound management area salmon catch and escapement report, 1991.

(continued)

Appendix Table 1.D13. AYK salmon age, sex and size composition reports, 1962-1999. (page 2 of 4).

Year	Report Type and Number [a]	Author(s)	Report Title
1990	RIR 3A95-04	C. Blaney, T. Lingnau	Norton Sound and Kotzebue Sound management area salmon catch and escapement statistics, 1990.
1989	RIR 3A94-11	Dan J. Schneiderhan	Age, Sex , and Size of Yukon River Salmon Catches and Escapements, 1989
	TFR 91-03	Lawrence S. Buklis	Norton Sound and Kotzebue Sound management area salmon catch and escapement statistics, 1989
	TFR 92-18	D. Molyneaux, K. Samuelson	Kuskokwim management area salmon catch and escapement statistics, 1989
1988	TFR 91-01	J. Wilcock, D. Schneiderhan	Age, Sex , and Size of Yukon River Salmon Catchs and Escapements, 1988
	TFR 91-02	Lawrence S. Buklis	Norton Sound and Kotzebue Sound management area salmon catch and escapement statistics, 1988
	TFR 95-08	Cindy J. Anderson	Kuskokwim management area salmon catch and escapement statistics, 1988
1987	TFR 89-09	Helen H. Hamner	Abundance, Age, Sex, and Size of Norton Sound and Kotzebue Sound Salmon Catch and Escapement, 1987
	TFR 91-04	Cindy J. Anderson	Kuskokwim management area salmon catch and escapement statistics, 1987
1986	TFR 89-08	Helen H. Hamner	Abundance, Age, Sex, and Size of Norton Sound and Kotzebue Sound Salmon Catch and Escapement, 1986
	TDR 221, AWL Rpt. # 32	L. Buklis	Age, Sex , and Size of Yukon River Salmon Catch and Escapement, 1986
	TFR 89-21	Daniel C. Huttunen	Kuskokwim management area salmon catch and escapement statistics, 1986
	AWL Rpt. # 31	Dan J. Schneiderhan	Kugrukluk Weir Salmon Age , Sex, and Size Data, 1986
1985	TDR 176, AWL Rpt. # 30	L. Buklis, J. Wilcock	Age, Sex , and Size of Yukon River Salmon Catch and Escapement, 1985
	TDR 193, AWL Rpt. # 29	H. Hamner	Abundance, Age, Sex, and Size of Norton Sound and Kotzebue Sound Salmon Catch and Escapement, 1985
	TDR 212	Daniel C. Huttunen	Abundance, Age, Sex, and Size of Salmon Catches and Escapements in the Kuskokwim Area, 1985
1984	TDR 186, AWL Rpt. # 28	Daniel C. Huttunen	Abundance, Age, Sex, and Size of Salmon Catches and Escapements in the Kuskokwim Area, 1984
	TDR 152, AWL Rpt. # 27	L. Buklis, J. Wilcock	Age, Sex , and Size of Yukon River Salmon Catch and Escapement, 1984
	TDR 172, AWL Rpt. # 26	B. Bigler, C. Lean	Age, Sex, and Size of Norton Sound and Kotzebue Sound Salmon Catch and Escapement, 1984
	TDR 149, AWL Rpt. # 25	B. Bigler	Kotzebue Sound Chum Salmon(Oncorhynchus Keta) Escapement and Return Data, 1962-1984

(continued)

Appendix Table 1.D13. AYK salmon age, sex and size composition reports, 1962-1999. (page 3 of 4).

Year	Report Type and Number [a]	Author(s)	Report Title
1983	TDR 133, AWL Rpt. # 24	Daniel C. Huttunen	Abundance, Age, Sex, and Size of Salmon Catches and Escapements in the Kuskokwim Area, 1983
	TDR 130, AWL Rpt. # 23	Lean et al.	Age, Sex, and Size of Norton Sound and Kotzebue Sound Salmon Catch and Escapement, 1983
	TDR 119, AWL Rpt. # 22	Buklis, Wilcock	Age, Sex , and Size of Yukon River Salmon Catch and Escapement, 1983
1982	TDR 111, AWL Rpt. # 21	Daniel C. Huttunen	Abundance, Age, Sex, and Size of Salmon Catches and Escapements in the Kuskokwim Area, 1982
	TDR 90, AWL Rpt. # 20	McBride et al.	Age, Sex, and Size of Yukon River Salmon, 1982.
	AWL Rpt. # 19	B. Bigler	Kotzebue Area, Age, Sex, and Size of Salmon, 1982
	AWL Rpt. # 18	C. Lean	Norton Sound Area, Age, Sex, and Size of Salmon, 1982
1981	AWL Rpt. # 17	D. Schneiderhan, L. Stout	AYK Region Age, Sex, and Size Composition of Salmon, 1981. (Kuskokwim Area)
	AWL Rpt. # 17	Helen Hamner	AYK Region Age, Sex, and Size Composition of Salmon, 1981. (Yukon River Area)
	AWL Rpt. # 17	B. Bigler, H. Hamner	AYK Region Age, Sex, and Size Composition of Salmon, 1981. (Kotzebue Area)
	AWL Rpt. # 17	C. Lean, S. Smith	AYK Region Age, Sex, and Size Composition of Salmon, 1981. (Norton Sound Area)
1980	AWL Rpt. # 16	AYK Staff	AYK Region Age, Sex, and Size Composition of Salmon, 1979-1980.
1979	AWL Rpt. # 16	AYK Staff	AYK Region Age, Sex, and Size Composition of Salmon, 1979-1980.
1978	AWL Rpt. # 15	AYK Staff	AYK Region Age, Sex, and Size Composition of Salmon, 1978.
1977	AWL Rpt. # 14	AYK Staff	AYK Region Age, Sex, and Size Composition of Salmon, 1977.
1976	AWL Rpt. # 13	AYK Staff	AYK Region Age, Sex, and Size Composition of Salmon, 1976.
1975	AWL Rpt. # 12	AYK Staff	AYK Region Age, Sex, and Size Composition of Salmon, 1975.

(continued)

Appendix Table 1.D13. AYK salmon age, sex and size composition reports, 1962-1999. (page 4 of 4).

Year	Report Type and Number [a]	Author(s)	Report Title
1974	AWL Rpt. # 11	AYK Staff	AYK Region Age, Sex, and Size Composition of Salmon, 1974.
1973	AWL Rpt. # 10	AYK Staff	AYK Region Age, Sex, and Size Composition of Salmon, 1973.
1972	AWL Rpt. # 9	AYK Staff	AYK Region Age, Sex, and Size Composition of Salmon, 1972.
1971	AWL Rpt. # 8	AYK Staff	AYK Region Age, Sex, and Size Composition of Salmon 1969-1971.
1970	AWL Rpt. # 8	AYK Staff	AYK Region Age, Sex, and Size Composition of Salmon 1969-1971.
1969	AWL Rpt. # 8	AYK Staff	AYK Region Age, Sex, and Size Composition of Salmon 1969-1971.
1968	AWL Rpt. # 7	AYK Staff	AYK Region Age, Sex, and Size Composition of Salmon (From 1968 Arctic Anadromous Fish Investigations)
1967	AWL Rpt. # 6	AYK Staff	AYK Region Age, Sex, and Size Composition of Salmon (From 1967 Arctic Anadromous Fish Investigations)
1966	AWL Rpt. # 5	AYK Staff	AYK Region Age, Sex, and Size Composition of Salmon (From AYK 1966 AMR)
1965	AWL Rpt. # 3	AYK Staff	AYK Region Age, Sex, and Size Composition of Salmon (From AYK 1965 AMR)
1964	AWL Rpt. # 2	AYK Staff	AYK Region Age, Sex, and Size Composition of Salmon (From AYK 1964 AMR)
1962	AWL Rpt. # 1		Yukon River Age, Sex, and Size Composition of King Salmon, 1962.

[a] RIR - Regional Information Report, TDR - Technical Data Report, TFR - Technical Fisheries Report, AWL - Age, Sex, and Size Composition Report, AMR - Annual Management Report, AAFI - Arctic Anadromous Fish Investigations

Appendix 2.1. Letter and Survey sent to AYK Fisheries Managers and Researchers.
(page 1 of 7).

STATE OF ALASKA

TONY KNOWLES, GOVERNOR

DEPARTMENT OF FISH AND GAME

DIVISION OF COMMERCIAL FISHERIES

333 Raspberry Road
ANCHORAGE, AK 99518-1599
PHONE: (907) 267-2120
FAX: (907) 267-2442

January 11, 2001

RE: Fisheries Management Database Survey

Dear Fisheries Managers and Researchers,

Attached is a survey intended to prioritize tasks and clearly define needs of fisheries managers and researchers for a Fisheries Management Database. Surveying potential users is a traditional step in database development along with conducting an inventory of existing information (a draft of this inventory is currently available). The development of this database will likely occur in stages. A report describing the results of this survey will be written for the project, FIS 00-016, Shared Information for Fishery Management in AYK.

I appreciate your cooperation in this effort. Please fill in and return the attached survey by January 31. If you have any questions don't hesitate to call me at 267-2120. A follow up interview may be necessary to clarify answers.

Sincerely,

Helen Hamner
Principal Investigator
Region III, Commercial Fisheries Division
333 Raspberry Rd
Anchorage, AK 99518

email: Helen_Hamner@fishgame.state.ak.us

(continued)

Fisheries Management Information Database Survey

The Fisheries Management Information Database Survey is the first step in developing a comprehensive database for use by those involved in managing salmon fisheries in the Kuskokwim, Yukon, Norton Sound and Kotzebue fisheries. In designing a database, its important to have clearly defined and realistic goals. The goals of this survey are to determine what information is most important to those involved in fisheries management and to identify what information is lacking in current systems. The development of this database will likely take place in stages or modules beginning with the most important data. The results of the survey will be used to prioritize and determine what data should be included in this database.

Managers depend on different information at different times of the year, for example, information on which to base **preseason** run abundance outlooks (brood year age composition, historic run reconstructions, spawner-recruit information, and so on); data sets used to assess **inseason** run abundance and timing (for example, test fisheries, commercial catch data, tributary escapement data); and **postseason** data sets to provide a final assessment of the run (for example, age and sex composition data, tributary escapements, harvest data). In addition, managers may require different information during different run scenarios, e.g. inseason subsistence catches when the commercial fishery is closed. This survey is divided into these categories since different sets of information may be required during each scenario, and preseason, inseason, or postseason decision-making process.

EXAMPLES OF DATA SETS

The following list of datasets should be considered in your reply to this questionnaire. The list is not exhaustive, so write in any other datasets not on this list. Most data sets can include historic, current year or both. They can also be either detailed (raw) data or summaries ('roll ups'). Please specify which of these (or both) is most critical for each type of data. Specify the level for summary data, e.g. by day, by set. Be specific. Rather than saying that escapement data is critical, state what type (project, tributary) of escapement data is most important and what range of years. Some examples of summary levels are: by day, year, household, district, village, gear, etc.

Physical data:

Climatic and meteorological information (precipitation, snow depth, winter temperatures)
Tide tables
Water levels
Water temperatures

Inseason Fisheries Data (for each of these include the projects and summary level):

Inseason subsistence harvests by household (by day, by district, by village?)
Age composition (testfish, commercial, escapement, subsistence?)
Sex ratios (testfish, commercial, escapement?)
Length compositions

(continued)

Commercial harvest and effort (by day, district, gear?)
Escapement and/or run assessment projects (weir, tower, sonar, index streams?)
Test fish indices (by set, by day?)
Aerial survey estimates (index streams?)
Mark/recapture data/ run estimates

Historic Fisheries Data (for each of these include the projects and summary level):

Postseason subsistence harvests by household
Historic subsistence harvests by community
Daily subsistence harvests (from permits and calendars)
Ocean stock interception data
Commercial harvest and effort (by day, gear, district?)
Brood year age composition (from what projects)
Escapement estimates (from what projects, e.g. index streams, weirs, sonar, aerial surveys?)
Run timing (from what projects?)
Swimming speed/ travel time
Brood year length compositions (what projects)
Brood year harvests
Brood year escapement
Brood year sex composition
Run estimates (testfish, sonar)
SPA/GSI stock identification estimates
Mark/recapture abundance estimates

CRITICAL INFORMATION

For each of these situations, list **at least** three types of information most critical to you in making management decisions. Keep in mind that this must be information that currently exists. Also list what years of historic data would be most important to include in this database: past 5 years, 10 years, or all historical data. It's ok to list current year escapement compared with historic average. In this case, include the number of years to include in the historic average.

Preseason:

1. _____

2. _____

3. _____

(continued)

Inseason:

Assuming a scenario when there is no commercial fishery:

1. _____

2. _____

3. _____

Assuming a scenario when there is a commercial fishery:

1. _____

2. _____

3. _____

Postseason:

1. _____

2. _____

3. _____

(continued)

INFORMATION THAT EXISTS BUT IS NOT AVAILABLE (not organized, not available electronically or not easily accessible)

Please list what information is unavailable (and why) or not available in time to be of use. You may want to note data that would be particularly difficult for your existing staff to compile and put into a usable database (e.g. raw ASL data):

Preseason:

1. _____

2. _____

3. _____

Inseason:

Assuming a scenario when there is no commercial fishery:

1. _____

2. _____

3. _____

Assuming a scenario when there is a commercial fishery:

1. _____

2. _____

3. _____

(continued)

Postseason:

1. _____

2. _____

3. _____

YUKON MANAGERS NOTEBOOK

If you are familiar with the Yukon Area summer or fall season management notebook, please fill in this section:

Does the Yukon notebook provide most of the information you need to make management decisions?

What additional information do you need?

What information do you use most often?

What are the strengths of the notebook?

(continued)

Yukon Managers Notebook (continued)

Weaknesses?

What improvements could be made?

If you are involved in producing the notebook, how much time does it take to generate each year?

What could be done to make producing the notebook easier?

ADDITIONAL COMMENTS