

**Stock Compositions of Sockeye Salmon Catches
in Southeast Alaska District 106 and 108 Gillnet Fisheries,
1991-1995, Estimated with Scale Pattern Analysis**

TCTR 08-1

Prepared by:

Kathleen A. Jensen¹, Jeremy Botz¹, Iris Frank¹, and Richard Bloomquist¹

Prepared for:

The Pacific Salmon Commission
Joint Transboundary Technical Committee, September 2007

April 2008

¹Alaska Department of Fish and Game, Division of Commercial Fisheries, P.O. Box 240020, Douglas, Alaska 99824

AUTHORS

Kathleen A. Jensen, Project Leader for Transboundary River Salmon Research for the Alaska Department of Fish and Game, Division of Commercial Fisheries, P.O. Box 240020, Douglas, Alaska 99824-0020. Voice: 907-465-4223, FAX 907-465-4944, e-mail Kathleen.Jensen@Alaska.gov

Jeremy Botz, Assistant Area Management Biologist for Copper River and Prince William Sound Salmon for the Alaska Department of Fish and Game, Division of Commercial Fisheries, P.O. Box 669, Cordova, Alaska 99574-0669. Voice 907-424-3212, FAX 907-424-3235, e-mail: Jeremy.Botz@Alaska.gov

Iris Frank, Fishery Technician for Port Sampling for the Alaska Department of Fish and Game, Division of Commercial Fisheries, P.O. Box 240020, Douglas, Alaska 99824-0020. Voice: 907-465-4219, FAX 907-465-4944, e-mail: Iris.Frank@alaska.gov

Richard Bloomquist, Fishery Technician for Port Sampling for the Alaska Department of Fish and Game, Division of Commercial Fisheries, P.O. Box 240020, Douglas, Alaska 99824-0020. Retired

ACKNOWLEDGMENTS

Scales and biological data used in these analyses were collected by ADF&G Commercial Fisheries Division port sampling crews in Ketchikan, Wrangell, and Petersburg. Peter Etherton with Canadian Department of Fisheries and Oceans in Whitehorse, directed technical staff that provided scales and biological data for sockeye salmon from the Stikine River. Field collection of scale samples and biological data is supported through a wide variety of U.S. and Canadian projects working under the auspices of the Pacific Salmon Commission.

TABLE OF CONTENTS

	Page
LIST OF TABLES.....	V
LIST OF FIGURES	V
LIST OF APPENDICES	V
ABSTRACT	9
INTRODUCTION.....	9
Fisheries.....	9
Study Area.....	12
Stock Separation Studies	13
OBJECTIVES.....	15
METHODS.....	15
Numbers of Fish	15
Collection and Preparation of Scale Samples	15
Age Composition.....	16
Scale Digitizing	17
Analytical Procedures.....	17
Developing Standards.....	20
Classification of Catches	20
RESULTS.....	21
1991	22
Subdistrict 106-30 Catches	23
Subdistrict 106-41 Catches	23
District 108 Catches.....	23
Test Fishery Catches.....	24
1992.....	24
Subdistrict 106-30 Catches	24
Subdistrict 106-41 Catches	25
District 108 Catches.....	26
Test Fishery Catches.....	26
1993.....	26
Subdistrict 106-30 Catches	27
Subdistrict 106-41 Catches	28
District 108 Catches.....	28
Test Fishery Catches.....	28
1994.....	29
Subdistrict 106-30 Catches	29
Subdistrict 106-41 Catches	30
District 108 Catches.....	30
Test Fishery Catches.....	31

1995.....	31
Subdistrict 106-30 Catches	31
Subdistrict 106-41 and 42 Catches.....	32
District 108 Catches.....	33
DISCUSSION.....	33
REFERENCES CITED	35
APPENDIX A. AGE COMPOSITION	38
APPENDIX B. LINEAR DISCRIMINANT FUNCTION CLASSIFICATION MATRICES	55
APPENDIX C. COMMERCIAL CATCH STOCK COMPOSITION	77
APPENDIX D. HISTORICAL CATCH	126
APPENDIX E. THERMAL MARK CONTRIBUTIONS	143

LIST OF TABLES

Table	Page
Table 1.–Postseason estimated contribution of sockeye salmon stock groups to the Alaskan District 106 and 108 commercial drift gillnet catches, 1991. The last period in the “Catch by District” columns includes harvest through the end of the season.....	22
Table 2.–Postseason estimated contribution of sockeye salmon stock groups to the Alaskan District 106 and 108 commercial drift gillnet catches, 1992. The last period in the “Catch by District” columns includes harvest through the end of the season.....	25
Table 3.–Postseason estimated contribution of sockeye salmon stock groups to the Alaskan District 106 and 108 commercial drift gillnet catches, 1993. The last period in the “Catch by District” columns includes harvest through the end of the season.....	27
Table 4.–Postseason estimated contribution of sockeye salmon stock groups to the Alaskan District 106 and 108 commercial drift gillnet catches, 1994. The last period in the “Catch by District” columns includes harvest through the end of the season.....	29
Table 5.–Postseason estimated contribution of sockeye salmon stock groups to the Alaskan District 106 and 108 commercial drift gillnet catches, 1995. The last period in the “Catch by District” columns includes harvest through the end of the season.....	32

LIST OF FIGURES

Figure	Page
Figure 1.–Fishery management districts in central Southeast Alaska and the Stikine River.....	10
Figure 2.–The Canadian Nass and Skeena Rivers and the transboundary Stikine River.....	11
Figure 3.–Major sockeye salmon systems of Southeast Alaska sampled for scales used in stock discrimination method comparison studies, 1991-1995.....	14
Figure 4.– Typical scales with one and two freshwater growth zones showing the zones used for scale pattern analysis.....	18

LIST OF APPENDICES

Appendix	Page
Appendix A1.–Age composition of sockeye salmon in the District 106-30 gill net catch, 1991.....	39
Appendix A2.–Age composition of sockeye salmon in the District 106-41 gill net catch, 1991.....	40
Appendix A3.–Age composition of sockeye salmon in the District 108 gill net catch, 1991.....	41
Appendix A4.–Age composition of sockeye salmon in the District 106-30 gill net catch, 1992.....	42
Appendix A5.–Age composition of sockeye salmon in the District 106-41 gill net catch, 1992.....	43
Appendix A6.–Age composition of sockeye salmon in the District 108 gill net catch, 1992.....	44
Appendix A7.–Age composition of sockeye salmon in the District 106-30 gill net catch, 1993.....	45
Appendix A8.–Age composition of sockeye salmon in the District 106-41 gill net catch, 1993.....	46
Appendix A9.–Age composition of sockeye salmon in the District 108 gill net catch, 1993.....	47
Appendix A10.–Age composition of sockeye salmon in the District 106-30 gill net catch, 1994.....	48
Appendix A11.–Age composition of sockeye salmon in the District 106-41 gill net catch, 1994.....	49
Appendix A12.–Age composition of sockeye salmon in the District 106-41 test gill net catch, 1994.....	50
Appendix A13.–Age composition of sockeye salmon in the District 108 gill net catch, 1994.....	51
Appendix A14.–Age composition of sockeye salmon in the District 106-30 gill net catch, 1995.....	52
Appendix A15.–Age composition of sockeye salmon in the District 106-41 gill net catch, 1995.....	53
Appendix A16.–Age composition of sockeye salmon in the District 108 gill net catch, 1995.....	54
Appendix B1.–Classification matrices for linear discriminant functions used to classify age-1.2 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1991.....	56
Appendix B2.–Classification matrices for linear discriminant functions used to classify age-1.3 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1991.....	57

Appendix B3.–Classification matrices for linear discriminant functions used to classify age-2.2 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1991.....	59
Appendix B4.–Classification matrices for linear discriminant functions used to classify age-2.3 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1991.....	60
Appendix B5.–Classification matrices for linear discriminant functions used to classify age-1.2 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1992.....	61
Appendix B6.–Classification matrices for linear discriminant functions used to classify age-1.3 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1992.....	62
Appendix B7.–Classification matrices for linear discriminant functions used to classify age-2.2 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1992.....	64
Appendix B8.–Classification matrices for linear discriminant functions used to classify age-2.3 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1992.....	65
Appendix B9.–Classification matrices for linear discriminant functions used to classify age-1.2 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1993.....	66
Appendix B10.–Classification matrices for linear discriminant functions used to classify age-1.3 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1993.....	67
Appendix B11.–Classification matrices for linear discriminant functions used to classify age-2.2 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1993.....	68
Appendix B12.–Classification matrices for linear discriminant functions used to classify age-2.3 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1993.....	69
Appendix B13.–Classification matrices for linear discriminant functions used to classify age-1.2 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1994.....	70
Appendix B14.–Classification matrices for linear discriminant functions used to classify age-1.3 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1994.....	71
Appendix B15.–Classification matrices for linear discriminant functions used to classify age-2.3 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1994.....	72
Appendix B16.–Classification matrices for linear discriminant functions used to classify age-1.2 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1995.....	73
Appendix B17.–Classification matrices for linear discriminant functions used to classify age-1.3 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1995.....	74
Appendix B18.–Classification matrices for linear discriminant functions used to classify age-2.2 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1995.....	75
Appendix B19.–Classification matrices for linear discriminant functions used to classify age-2.3 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1995.....	76
Appendix C1.–Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan Subdistrict 106-30 drift gillnet fishery, 1991.....	78
Appendix C2.–Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska Subdistrict 106-30 drift gillnet fishery, 1991.....	80
Appendix C3.–Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan Subdistrict 106-41 drift gillnet fishery, 1991.....	81
Appendix C4.–Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska Subdistrict 106-41 drift gillnet fishery, 1991.....	83
Appendix C5.–Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan District 108 drift gillnet fishery, 1991.....	84
Appendix C6.–Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska District 108 drift gillnet fishery, 1991.....	85
Appendix C7.–Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan District 108 test drift gillnet fishery, 1991.....	86
Appendix C8.–Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan Subdistrict 106-30 drift gillnet fishery, 1992.....	87
Appendix C9.–Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska Subdistrict 106-30 drift gillnet fishery, 1992.....	89
Appendix C10.–Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan Subdistrict 106-41 drift gillnet fishery, 1992.....	90

Appendix C11.–Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska Subdistrict 106-41 drift gillnet fishery, 1992.....	92
Appendix C12.–Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan District 108 drift gillnet fishery, 1992.....	93
Appendix C13.–Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska District 108 drift gillnet fishery, 1992.....	95
Appendix C14.–Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan District 108 test drift gillnet fishery, 1992.....	96
Appendix C15.–Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan Subdistrict 106-30 drift gillnet fishery, 1993.....	97
Appendix C16.–Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska Subdistrict 106-30 drift gillnet fishery, 1993.....	99
Appendix C17.–Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan Subdistrict 106-41 drift gillnet fishery, 1993.....	100
Appendix C18.–Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska Subdistrict 106-41 drift gillnet fishery, 1993.....	102
Appendix C19.–Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan District 108 drift gillnet fishery, 1993.....	103
Appendix C20.–Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska District 108 drift gillnet fishery, 1993.....	105
Appendix C21.–Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan District 108 test drift gillnet fishery, 1993.....	106
Appendix C22.–Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan Subdistrict 106-30 drift gillnet fishery, 1994.....	107
Appendix C23.–Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska Subdistrict 106-30 drift gillnet fishery, 1994.....	109
Appendix C24.–Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan Subdistrict 106-41 drift gillnet fishery, 1994.....	110
Appendix C25.–Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska Subdistrict 106-41 drift gillnet fishery, 1994.....	112
Appendix C26.–Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan District 108 drift gillnet fishery, 1994.....	113
Appendix C27.–Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska District 108 drift gillnet fishery, 1994.....	115
Appendix C28.–Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan District 108 test drift gillnet fishery, 1994.....	116
Appendix C29.–Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan Subdistrict 106-30 drift gillnet fishery, 1995.....	117
Appendix C30.–Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska Subdistrict 106-30 drift gillnet fishery, 1995.....	119
Appendix C31.–Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan Subdistrict 106-41 drift gillnet fishery, 1995.....	120
Appendix C32.–Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska Subdistrict 106-41 drift gillnet fishery, 1995.....	122
Appendix C33.–Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan District 108 drift gillnet fishery, 1995.....	123
Appendix C34.–Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska District 108 drift gillnet fishery, 1995.....	125
Appendix D1.–Estimated stock proportions of sockeye salmon catches in the Alaskan Subdistrict 106-30 gillnet fishery, 1985-1995. The Alaska I and Alaska II stock groups were combined in 1985 and the Nass and Skeena stock groups were combined prior to 1990. The last proportions in each column include data through the end of the season.....	127
Appendix D2.– Estimated stock specific catches of sockeye salmon in the Alaskan Subdistrict 106-30 gillnet fishery, 1985-1995. The Alaska I and Alaska II stock groups were combined in 1985 and the Nass and	

Skeena stock groups were combined prior to 1990. The last catches in each column include data through the end of the season.	129
Appendix D3.–Estimated stock proportions of sockeye salmon catches in the Alaskan Subdistrict 106-41 gillnet fishery, 1985-1995. The Alaska I and Alaska II stock groups were combined in 1985 and the Nass and Skeena stock groups were combined prior to 1990. The last proportions in each column include data through the end of the season.	131
Appendix D4.–Estimated stock specific catch of sockeye salmon in the Alaskan Subdistrict 106-41 gillnet fishery, 1985-1995. The Alaska I and Alaska II stock groups were combined in 1985 and the Nass and Skeena stock groups were combined prior to 1990. The last catches in each column include data through the end of the season.	133
Appendix D5.–Estimated proportions of sockeye salmon in the Alaskan District 106 gillnet fishery, 1983-1995. The Alaska I and Alaska II stock groups were combined prior to 1986 and the Nass and Skeena stock groups were combined prior to 1990. The last proportions in each column include data through the end of the season. Subdistrict 106-30 was open but 106-41 was not during weeks 25-28 in 1984, week 26 in 1985, and week 29 in 1986.	135
Appendix D6.– Estimated stock specific catch of sockeye salmon in the Alaskan District 106 gillnet fishery, 1983-1995. The Alaska I and Alaska II stock groups were combined prior to 1986 and the Nass and Skeena stock groups were combined prior to 1990. The last catches in each column include data through the end of the season. Subdistrict 106-30 was open but 106-41 was not during weeks 25-28 in 1984, week 26 in 1985, and week 29 in 1986.	137
Appendix D7.–Estimated stock proportions of sockeye salmon catches in the Alaskan District 108 gillnet fishery, 1986-1995. The Nass and Skeena stock groups were combined prior to 1990. The last proportions in each column include data through the end of the season.	139
Appendix D8.–Estimated catch by stock of sockeye salmon catches in the Alaskan District 108 gillnet fishery, 1986-1995. The Nass and Skeena stock groups were combined prior to 1990. The last catches in each column include data through the end of the season.	141
Appendix E1.–Estimated contributions of thermally marked sockeye salmon to the Sub-district 106-30 gillnet catches, 1994.	144
Appendix E2.–Estimated contributions of thermally marked sockeye salmon to the Sub-district 106-41 gillnet catches, 1994.	145
Appendix E3.–Estimated contributions of thermally marked sockeye salmon to the District 108 gillnet catches, 1994.	146
Appendix E4.–Estimated contributions of thermally marked sockeye salmon to the Sub-district 106-30 gillnet catches, 1995.	147
Appendix E5.–Estimated contributions of thermally marked sockeye salmon to the Sub-district 106-41 gillnet catches, 1995.	148
Appendix E6.–Estimated contributions of thermally marked sockeye salmon to the District 108 gillnet catches, 1995.	149

ABSTRACT

We used linear discriminant function analysis of scale patterns to estimate the stock compositions of the weekly sockeye salmon catches in Sub-districts 106-30, 106-41, and District 108 from mid-June through mid-October in 1991 through 1995. In 1991, of the 162,092 sockeye salmon harvested in Districts 106 and 108, we estimated that 50.2% were of Alaska origin, 30.6% were of British Columbia origin, and 19.2% of transboundary Stikine River origin. Most discriminant function accuracies ranged from 65% to 85%, depending on the stocks included and the age class. In 1992, of a total of 255,872 sockeye salmon harvested in Districts 106 and 108, we estimated that 50.3% were of Alaska origin, 19.4% were of British Columbia origin, and 30.3% of transboundary Stikine River origin. Most discriminant function accuracies ranged from 65% to 85%, depending on the stocks included and the age class. In 1993, the 282,829 sockeye salmon harvested in Districts 106 and 108 included an estimated 35.2% Alaska origin, 27.5% British Columbia origin, and 37.3% transboundary Stikine River origin. Discriminant function accuracies ranged from 72% to 98%, depending on the stocks included and the age class. In 1994, of the 308,272 sockeye salmon harvested in Districts 106 and 108, we estimated that 49.5% were of Alaska origin, 23.8% were of British Columbia origin, and 26.7% were of transboundary Stikine River origin. Discriminant function accuracies ranged from 73% to 93%, depending on the stocks included and the age class. In 1995, the 283,650 sockeye salmon harvested in Districts 106 and 108 included an estimated 25.9% Alaska origin, 45.1% British Columbia origin, and 28.9% transboundary Stikine River origin. Discriminant function accuracies ranged from 66% to 98%, depending on the stocks included and the age class.

Key Words: sockeye salmon, stock identification, linear discriminant function analysis, scale pattern analysis, Stikine River, District 108, District 106, mixed-stock fishery.

INTRODUCTION

Sockeye salmon *Oncorhynchus nerka* are harvested in marine net fisheries throughout Southeast Alaska and northern British Columbia. Drift gillnet fisheries in Alaskan commercial fishing Districts 106 and 108 harvest sockeye salmon of Alaskan origin but also catch sockeye salmon of transboundary Stikine River and of Canadian Nass and Skeena River origin. Interception of salmon originating in one country as the fish migrate through the territorial waters of the other country has become a research and management concern since the implementation of the U.S./Canada Pacific Salmon Treaty. Cooperative international management of Stikine River sockeye salmon is mandated by this treaty under Annex IV, Chapter 1. Knowledge and control of stock-specific harvests are therefore needed to fulfill requirements of, and assess compliance with, the harvest sharing guidelines outlined in the treaty. Additional complexity was added to the harvest share agreements with the commencement of a joint U.S./Canada sockeye salmon enhancement program in 1990. In this program, gametes are collected by Canada from Tahltan Lake spawners, shipped to the Port Snettisham hatchery in the U.S. where the eggs are fertilized, incubated, and hatched and the resulting fry are planted back into Tahltan or Tuya Lakes.

FISHERIES

U.S fisheries which harvest Stikine River sockeye salmon stocks are located in central Southeast Alaska, near the communities of Petersburg and Wrangell, Alaska (Figure 1). Sockeye salmon harvested in the District 106 and 108 commercial gillnet fisheries originate from Southeast Alaska, the transboundary Stikine River, and the Canadian Nass and Skeena Rivers (Figure 2). Sockeye salmon catches in District 106 have averaged 145,666 fish (1980-1989) with an

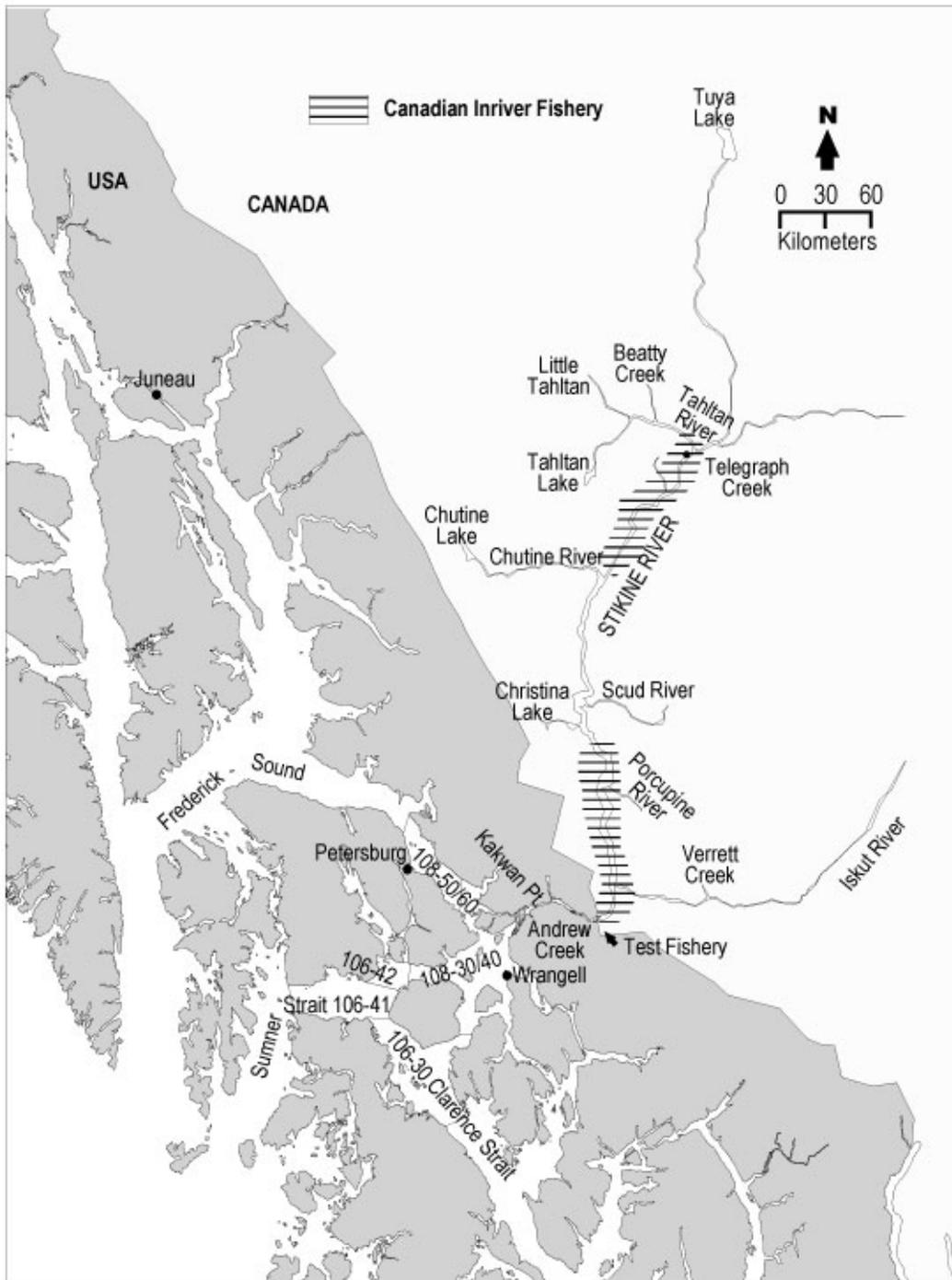


Figure 1.—Fishery management districts in central Southeast Alaska and the Stikine River.

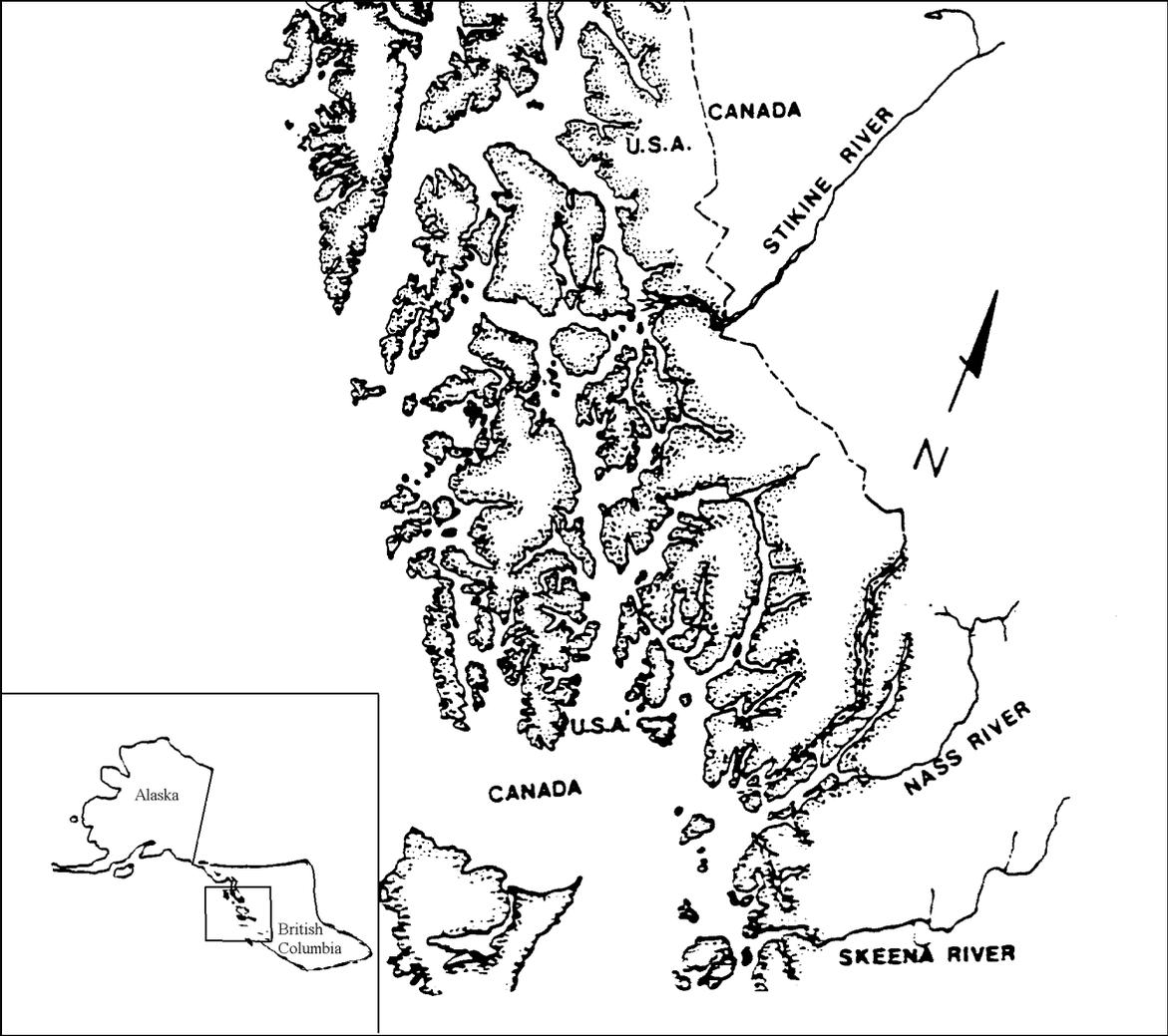


Figure 2.—The Canadian Nass and Skeena Rivers and the transboundary Stikine River.

estimated annual Stikine River contribution of 7,507 fish (1983-1989). In District 108, sockeye salmon catches have averaged 4,943 fish with a Stikine River component estimated at 2,990 fish (1985-1989).

U.S. and Canadian catches of Stikine River sockeye salmon stocks are managed based on harvest sharing agreements in the U.S./Canada Pacific Salmon Treaty (TTC 1992). Inseason catch estimates, forecasts, and inriver catch per unit effort (CPUE) are used along with historical migratory timing information to estimate inseason run strength in the Stikine Management Model (SMM). Escapement goals have been established and the projected run strength minus the desired escapement is used to determine the total allowable catch (TAC). TAC along with the harvest share for each country is calculated in the SMM (TTC 1990).

STUDY AREA

Sockeye salmon harvested in the District 106 and 108 commercial fisheries originate from lake systems and their tributaries throughout Southeast Alaska, from the transboundary Stikine River, and from the Canadian Nass and Skeena Rivers (Figure 1). Tagging studies have shown that few stocks from other areas pass through District 106 (Hoffman et al. 1983, 1984). In those studies adult sockeye salmon were tagged in 1982 and 1983 in several Alaskan and Canadian fishing districts to determine migratory pathways and interception rates of various stocks. The majority of terminal area recoveries of fish tagged in District 106 occurred along the northeast coast of Prince of Wales Island and upper Behm Canal; some were recovered in Alaskan systems as far south as the U.S./Canada border and in the Stikine, Nass, and Skeena Rivers. There were few or no recoveries of fish tagged in District 101 or 104 in either the northern Prince of Wales Island lake systems or the Stikine River.

Numerous sockeye salmon producing lakes are scattered throughout the archipelago and mainland of Southeast Alaska. They range in size from small lakes of a few hectares to large systems greater than 500 hectares; like McDonald and Klawock Lakes, and include multilake systems like the Sarkar and Galea-Sweetwater complexes (Figure 2). Sockeye salmon production is limited by the quantity and quality of spawning areas, the available rearing area, or other environmental conditions as well as the number of spawners. Sockeye salmon productivity varies greatly, even among systems of roughly equivalent size (McGregor 1983; McGregor et al. 1984; McGregor and McPherson 1986; McPherson and McGregor 1986; McPherson, McGregor, and Bergander 1988, McPherson, McGregor, and Olsen 1988; Rowse and McPherson 1992). Typical small systems, such as Alecks and Kutlaku Lakes on Kuiu Island, produce estimated runs of a few thousand fish. Although the total run size is not known, escapements in two intermediate systems which had enumeration weirs, Karta Lake on eastern Prince of Wales Island and Salmon Bay Lake on northeast Prince of Wales Island, averaged 18,400 and 18,000 sockeye salmon, respectively (1982 to 1988 average, excluding 1984 when the weirs were not installed). The single largest producer of sockeye salmon in recent years in southern Southeast Alaska has been McDonald Lake in upper Behm Canal. Estimated escapements to this system have ranged from 56,000 fish in 1983 to 175,000 fish in 1987 and averaged 113,500 fish (1981 to 1988 average, excluding 1982 when the weir washed out) (ADF&G data base).

The Stikine River (Figure 1.) originates in British Columbia and flows through the Alaskan panhandle into Frederick Sound north of Wrangell. It is therefore a transboundary river, i.e., a river that flows through both Canada and the U.S. A major portion of the river system is inaccessible to anadromous fish because of natural barriers and velocity blocks. The majority of the accessible sockeye salmon spawning habitats are located above the U.S./Canada border. The largest single contributor to the Stikine River sockeye salmon run is Tahltan Lake. Sockeye salmon escapements enumerated at the weir have ranged from 1,780 fish in 1963 to 67,326 fish in 1985 and averaged 19,469 fish (1959-1989) (TTC 1992). The remainder of the Stikine River sockeye salmon stocks, referred to as the Stikine stock group, spawn in small lakes, sloughs, and side channels of the mainstem river and its tributaries, most of which are glacially occluded. Estimates of the Stikine River sockeye salmon escapement have ranged from 16,608 in 1979 to 90,617 in 1985 and averaged 36,941 fish (1979-1989) (TTC 1992).

The Nass and Skeena Rivers have contributed substantial numbers of sockeye salmon to the District 106 and 108 harvests in some years. Estimated catches of Nass/Skeena fish have ranged from 9,832 to 111,015 fish and have averaged 41,460 fish (1982-1989). The Nass River originates in British Columbia and drains into Portland Canal just south of the U.S./Canada border. Estimated sockeye salmon escapements to this system have averaged 188,665 fish (1966-1989)(NBTC 1993). The Skeena River also originates in British Columbia and drains into the ocean about 50 km south of the Nass River. Estimated sockeye salmon escapements have averaged 928,017 fish (1966-1989) (NBTC 1993).

STOCK SEPARATION STUDIES

The United States and Canada initiated research programs in 1982 to assess the feasibility of various stock-separation techniques applicable to sockeye salmon harvested by both countries. Several methods of stock separation have been used, including the incidence of the parasite *Myxobolus arcticus*, differences in genotypes, adult tagging studies, and scale pattern analysis. Of these, scale pattern analysis has been used most extensively to determine stock-composition of the harvests in Alaskan mixed-stock commercial fisheries (Oliver et al. 1984; Oliver and Walls 1985; Oliver and Jensen 1986; Jensen and Frank 1988, 1993a, 1993b; Jensen et al. 1989).

Scale pattern analysis has generally proven successful for postseason estimates of the contribution rates of sockeye salmon stocks to Southeast Alaskan commercial fisheries because of significant and persistent differences in the freshwater and early marine growth among stocks originating in various Alaskan and Canadian systems (Marshall, et al. 1984). The original stock groupings used by ADF&G to estimate stock compositions in District 106 and 108 were the Alaska group, composed of samples taken from 22 to 28 Alaska escapements (Figure 3); the Nass/Skeena group, composed of samples taken from inriver test fisheries on the Nass and Skeena Rivers; and the Stikine River group, composed of scale samples collected from the Canadian inriver commercial fishery. The stock groupings were expanded in 1983 by creating separate standards for the Tahltan Lake stock and for the Stikine stock group. The Stikine stock group was composed of samples from mainstem lower Stikine River main channel and side slough spawners and Chutine, Skud, and Iskut River spawners. Standards were further refined in 1986 to separate two distinct Alaska patterns: Alaska I, typified by Hugh Smith Lake and Luck Lake patterns, and Alaska II, typified by the McDonald Lake pattern. Separate standards for Nass River fish and Skeena River stocks were created in 1990 to facilitate run reconstruction for those river systems. With the advent of the transboundary river fry planting program an

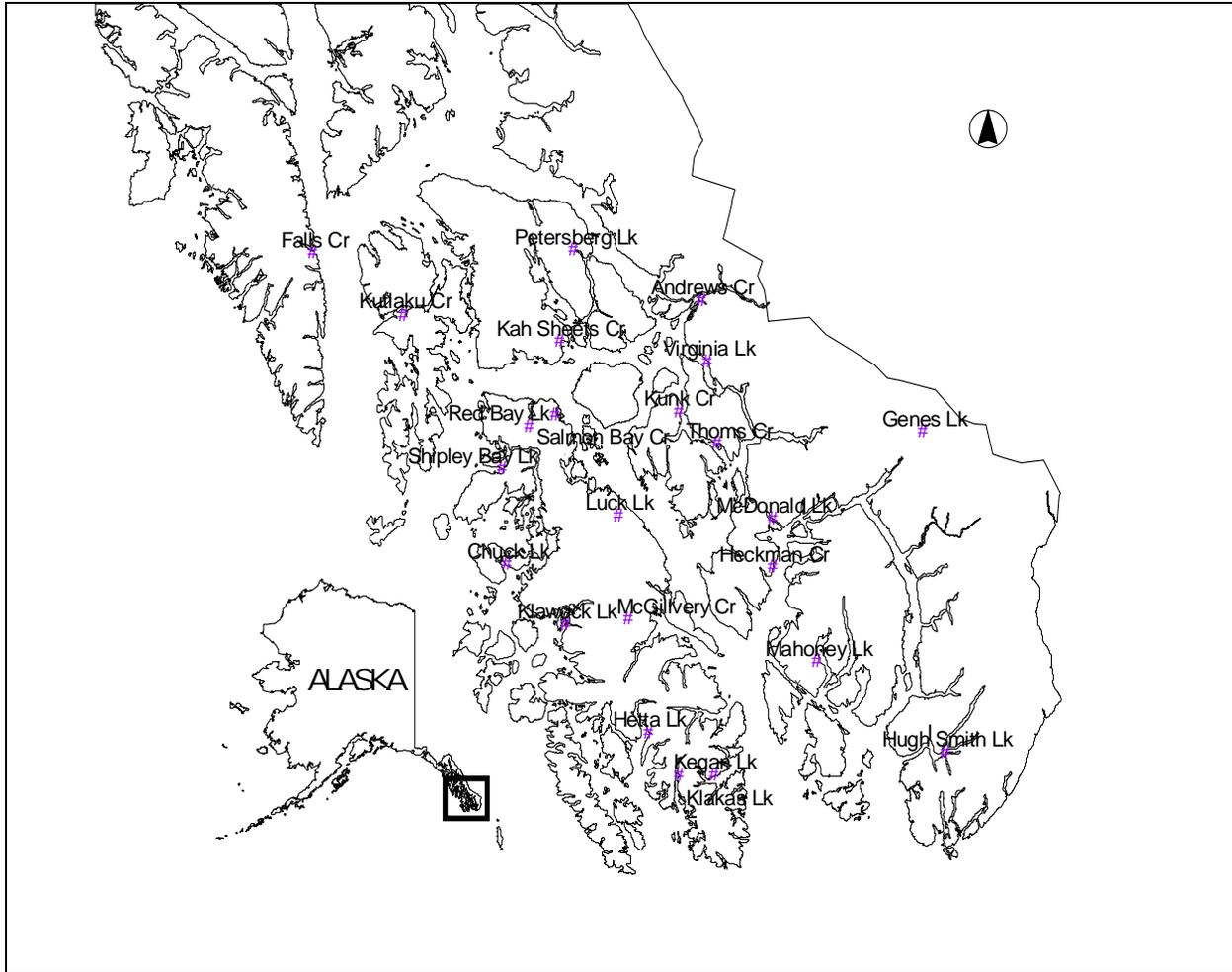


Figure 3.—Major sockeye salmon systems of Southeast Alaska sampled for scales used in stock discrimination method comparison studies, 1991-1995.

additional standard was needed for the adults returning to the Tuya River. Thus, seven stock groups, Alaska I, Alaska II, Nass, Skeena, Tahltan, Tuya, and Stikine are currently used in the SPA for Districts 106 and 108.

OBJECTIVES

The purposes of this ongoing study is to generate postseason estimates of the stock compositions of weekly sockeye salmon catches in the Subdistrict 106-30 and 106-41 (in weeks when sub-district 106-42 is open, catches in that sub-district are included the sub-district 106-41 analysis) and the District 108 gillnet fisheries based on the analysis of scale patterns. Age and sex composition of catches and escapements are estimated for weekly Subdistrict 106-41 and 106-30 and District 108 gillnet harvests, We provide basic statistics for use in assessing the treaty performance of the U.S. fisheries that harvest Stikine River sockeye salmon stocks. Average historical stock-composition estimates are used in the SMM along with other data to estimate the TAC of Stikine River stocks in U.S. fisheries. Data from postseason analyses are used to reconstruct Stikine River sockeye salmon runs, develop spawner-recruit relationships, estimate optimum sustainable yield and escapement, and improve forecasting abilities and stock-specific management capabilities.

METHODS

NUMBERS OF FISH

Catch statistics for Districts 106 and 108 were obtained from ADF&G records of fishery sales receipts (fish tickets). Catches were reported by fishing period and were assigned to a statistical week. Each statistical week began at 12:01 p.m. Sunday and ended the following Saturday at midnight. Weeks were sequentially numbered beginning with the first Sunday of the calendar year.

COLLECTION AND PREPARATION OF SCALE SAMPLES

Scales were taken from the left side of the fish approximately three rows above the lateral line along a diagonal from the posterior insertion of the dorsal fin to the anterior insertion of the anal fin (INPFC 1963). Scales on salmon fry first develop in this area; therefore, these scales are preferred for purposes of aging and digitizing. Scales were mounted on gum cards and impressions made in cellulose acetate (Clutter and Whitesel 1956).

Employees of the ADF&G, Division of Commercial Fisheries, sampled District 106 and 108 catches at fish processing plants in the communities of Petersburg, Wrangell, and Ketchikan, Alaska. Samplers recorded the sex and collected one scale from each fish sampled. Samplers recorded the sex of each fish and collected one to three scales from each fish sampled, according to ADF&G sampling guidelines. A subsample of 130 fish from each of the Subdistrict 106-30, 106-41, and the District 108 catches were measured for mid-eye to fork length during each week of the fishing season. This satisfies sampling goals connected with the Southeast Alaska Port Sampling Program, to estimate the average length of sockeye salmon each week of the season for each major (>10%) age class within $\pm 5\%$, 95% of the time (Van Alen 1990).

DFO samplers collected one to three scales and matched biological data from the test fishery and commercial catches in the lower Stikine River, per DFO sampling guidelines.

Similar procedures were used to sample escapements; three scales per fish were taken by ADF&G employees from fish sampled from 13 to 22 lake systems throughout southern and central Southeast Alaska. Escapements sampled at enumeration weirs were collected throughout the run and other systems were sampled during a 2- to 3-day trip to the spawning grounds. Two scales per fish were collected by DFO personnel from test fisheries (used to represent escapement samples) at the mouths of the Nass and Skeena Rivers, and five scales per fish from the Tahltan Lake escapement. Samples were collected periodically throughout the run from all areas sampled by DFO personnel. Sex was determined by examination of external sexual maturation characteristics, including kype development, belly, vent, and jaw shapes, or, when possible, by examination of gonads. A study conducted by ADF&G to determine the accuracy of its samplers in sexing ocean-caught salmon showed that an average of 94% of sockeye salmon sampled were sexed correctly (Pahlke 1988). We believe that samplers' accuracy of sex determination of sockeye salmon on the spawning grounds is higher, due to the pronounced morphological characteristics of spawning sockeye salmon.

AGE COMPOSITION

Fish ages were determined by visually examining scale impressions magnified 70X on a microfiche reader and were recorded in European notation. Criteria used to determine ages were similar to those of Moser (1968).

Scales from fish sampled on the spawning grounds occasionally exhibited resorption along the outer edges, making the determination of ocean age impossible without additional information. Trends in the relationship between fish length and marine age of sockeye salmon provided a valuable tool in determining marine ages; fish length is highly correlated with marine age, and for a given age class, females are typically smaller than males (McPherson et al. 1988). In cases where scale resorption was severe, sex-specific length frequency histograms were used to assist in determining the correct marine age. Little overlap in length frequency distributions by marine age generally occurred within stocks (ADF&G, Commercial Fisheries Division, Douglas, unpublished data). For this reason fish length was recorded for every sample taken from escapements.

Scale sampling goals (600 fish per statistical week) for determining the age composition of the Subdistrict 106-41, 106-30, and District 108 harvests are designed to enable the proportion of each major (>10%) age group in the catch during each fishing period to be estimated to $\pm 5\%$, 95% of the time (Thompson 1987). Sample goals were slightly higher than the minimum required number to account for a scale regeneration rate of approximately 20% and to ensure that adequate numbers of scales from minor age classes were available each week for digitizing. Sampling goals were met for most fishing periods in the District 106 commercial fishery. However, they were not met during several fishing periods in District 108 due to low catches and limited availability of fish. Sample goals for Southeast Alaska sockeye salmon escapements were 520 fish per system with the exception of McDonald Lake where the goal was 1,000 fish. DFO collected scales from all sockeye salmon taken in the lower Stikine River test fishery and 350 scales per week from the lower river commercial catches. Samples from the Stikine River test and commercial fisheries were paired with egg diameter measurements for females. DFO sampled approximately 800 sockeye salmon throughout the season from fish passing through the Tahltan Lake enumeration weir. Although no formal sampling goals have been set for the DFO Nass and Skeena test fisheries, 1,000 samples were taken through time for each fishery.

SCALE DIGITIZING

Scale images magnified 100X were projected onto a digitizing tablet using equipment similar to that described by Ryan and Christie (1976). Scale measurements were made and recorded with a microcomputer digitizing system with Fortran programs.

Previous studies have established that an axis approximately perpendicular to the anterior edge of the unsculptured posterior field is best for consistently measuring sockeye salmon scales (Clutter and Whitesel 1956; Narver 1963). This axis is approximately 20° dorsal or ventral from the anterior-posterior axis, and all circuli counts and scale measurements in the lacustrine and first-year marine zone were made along it. Marshall et al. (1984) established the separability of major stock groups in southern Southeast Alaska by measurements in three or four zones: (1) the first freshwater (the scale center to the last circulus of the first freshwater annulus); (2) the second freshwater (when present, the first circuli of the second year of freshwater growth to the end of the second freshwater annulus); (3) the plus growth (scale growth after the last freshwater annulus and before the first marine circulus) (Moser 1968); and (4) the first year marine growth (the first marine circulus to the end of the first marine annulus) (Figure 4). A total of 74 variables including circuli counts, incremental distances, and ratios and/or combinations of the measured variables were calculated for scales that had a single freshwater annular zone. For scales with two freshwater annular zones, 106 variables were calculated (Appendix A).

ANALYTICAL PROCEDURES

The ability to differentiate salmon stocks based on scale patterns depends upon the degree of difference in the scale characters among stocks (Marshall et al. 1987). Linear discriminant analysis (LDA) of scale patterns has been used to estimate stock contributions to southern and central Southeast Alaska mixed-stock sockeye salmon fisheries since 1982 (Oliver et al. 1985; Oliver and Walls 1985; Oliver and Jensen 1986; Jensen and Frank 1988, 1993a, 1993b; Jensen et al. 1989).

LDA is a multivariate technique used to develop classification rules to assign a sockeye salmon sampled in a mixed-stock fishery to a stock of origin. The variables calculated from the circuli counts and incremental distances on scales from fish of known origin provide a set of measurements used to define these rules. Scale variables are selected based on their ability to differentiate between stocks included in the analysis. The accuracy of classification of stocks represented by standards depends upon the precision with which the regions defining each stock or group are described and the inherent separation between them. The LDA is the linear combination of the variables which maximizes the between-group variance relative to the within-group variance (Fisher 1936).

Assuming that (1) the groups being investigated are discrete and identifiable; (2) the parent distributions of the measured variables are multivariate normal; and (3) the variance-covariance matrices for all groups are equal, LDA provides the best discriminant rule, in the sense of minimizing the expected probability of misclassification. Gilbert (1969) found LDA satisfactory

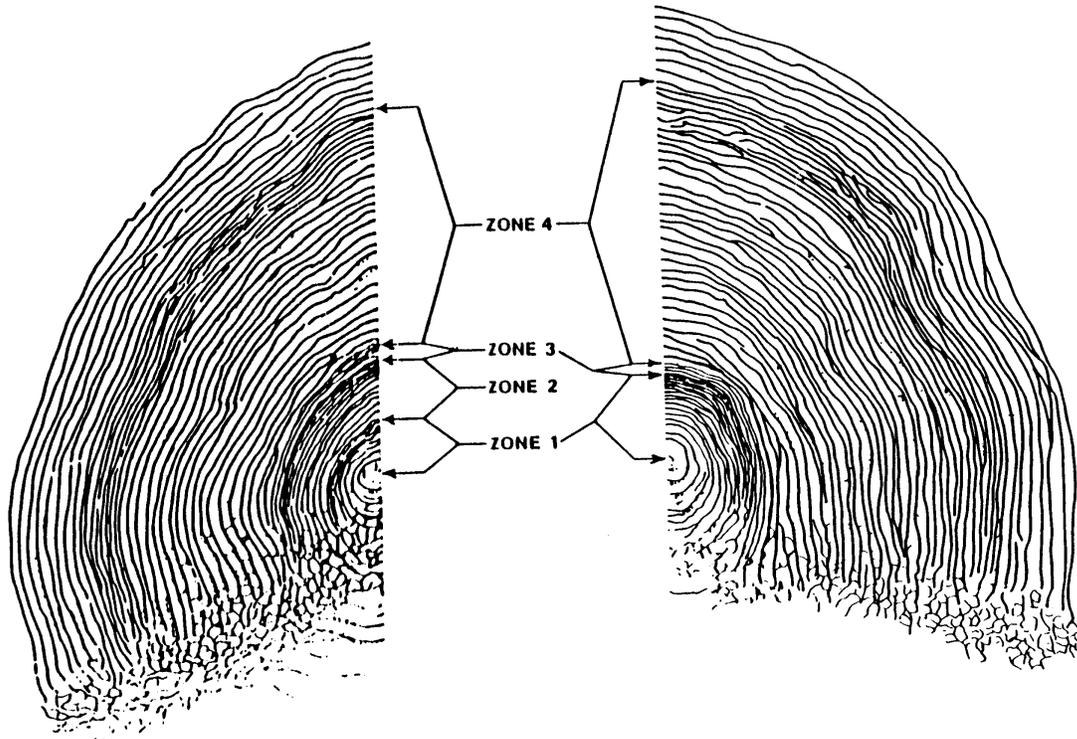


Figure 4.– Typical scales with one and two freshwater growth zones showing the zones used for scale pattern analysis.

if the variance-covariance matrices were not too different. In addition, large sample sizes appear to make the LDA robust to the assumption of common variance-covariance matrices (Issacson 1954; Anas and Murai 1969). The method also appears to be robust to violations of the normality assumption for some discrete distributions (Lachenbruch et al. 1973; Krzanowski 1977). Studies which compare LDA, QDA (quadratic discriminant analysis), and NNA (nearest neighbor analysis), indicated that LDA has a higher classification accuracy than QDA or NNA (Jensen 1990). This indicates that the above assumptions are met or that LDA is robust to violations of them for the variables used in scale pattern analysis of Southeast Alaska mixed-stock sockeye salmon catches.

Scale variables to be used in the LDA are selected with a stepwise analysis. In this process variables are added until the partial F -statistic of all variables available for entry into the model is less than 4.00 and all variables in the model have F -values greater than 4.00 (Enslein et al. 1977). The number of variables is limited to those that measurably improve classification accuracies and is generally limited to 10 or less. An almost unbiased estimate of classification accuracy for each LDA is determined using a leaving-one-out procedure (Lachenbruch 1967). One sample is "left out", the discriminant rule is estimated, and the "left out" sample is classified using the discriminant rule and checked to see if it is classified correctly. This procedure is repeated for all samples. Thus, when an LDA is run using the leaving-one-out procedure, a classification matrix is developed which gives the proportions of correctly identified fish and the proportions of misclassification of each stock to each of the other stocks.

When more than two stock groups are being analyzed, the stepwise procedure does not always result in maximum classification accuracies or the most balanced classification matrix. Frequently, well separated groups are separated even further, but poorly separated groups remain poorly separated (Habbema and Hermans 1977). Scale variables that provide the best discrimination between the groups (high F value) that most often misclassify as each other are occasionally added to, or substituted for, other variables used in the LDA to provide either a better balance to the classification matrix or to increase the mean classification accuracy.

The estimates of stock composition proportions in the mixed-stock harvests, referred to as initial estimates, are adjusted with a classification matrix correction procedure (Cook and Lord 1978). The fish in the mixed-stock sample are classified with the LDA. The vector of estimates for each stock or stock group is multiplied by the inverse transposed classification matrix to give new estimates, referred to as adjusted estimates, for the true proportions of stocks and stock groups in the mixed-stock fishery. In cases where the adjusted estimated proportion for a stock group is less than zero, the entire catch sample is reclassified with a function excluding that stock group. This process is repeated until all adjusted estimated proportions are positive.

The variance and 90% confidence intervals of the adjusted estimates of stock proportions were computed according to Pella and Robertson (1979). Variance-covariance matrices for the misclassification matrix and the variances for the proportions of each stock are a function of (1) the sampling variation in estimation of the probability of assignment of the known stock group, and (2) the sampling variation in estimation of the assignment composition of the mixed-stock group.

DEVELOPING STANDARDS

Four major age classes (1.2, 1.3, 2.2, and 2.3) contributed 97% to 99% of the catch in District 106 and 88% to 98% of the catch in District 108 in 1991-1995. An additional 1% to 12% of the District 108 catch was comprised of age-0. fish. Standards were developed for each age class for six stock groups, except for age classes which contributed only a minor fraction (2% to 3%) of the escapement for a given stock group, since insufficient scales were available to build them. The stock groups were Alaska I, Alaska II, Nass River, Skeena River, Tahltan, and Stikine. Age-specific LDA models, where standards from a particular age class are used to classify catches of fish of the same age class, are used in the analysis to (1) account for differences in age composition among stocks; (2) remove potential bias due to differences in migratory timing of different age fish; and (3) eliminate the effect of different environmental conditions on the scale patterns of different age fish.

Because of the large amount of variation among Alaskan coastal stocks, two standards were developed to represent these stocks. Digitized scale collections from 12 to 21 sockeye salmon systems in central and southern Southeast Alaska were pooled to create the Alaska I standard. The number of samples included from each system was weighted by perceived run strength, geographic proximity of the system to District 106 and 108, and known migratory pathways. Although only samples from McDonald Lake were used to develop the Alaska II standard, classification studies have indicated that high portions of some other Alaskan systems, including Karta, Salmon Bay, and Naha Lakes classify as Alaska II. Standards for the Nass and Skeena stock groups were developed with scales sampled from gillnet test fisheries near the mouths of each river, using scales chosen through time in relation to test fishery CPUE. The Tahltan Lake standards were developed from scale samples collected throughout the migration of fish past Tahltan Lake weir, weighted by fish abundance passing through the weir. Scales from females with small diameter eggs collected in the inriver commercial and test fisheries were also used for the Tahltan standard. Craig (1985) found that female Tahltan Lake sockeye salmon could be differentiated from other female Stikine River sockeye salmon by the small size of their eggs. DFO uses analysis of egg diameters of inriver catches to estimate the contribution of Tahltan and Stikine stock groups to the inriver commercial and test fishery catches (TTC 1992). We developed the Stikine standards from inriver samples from female sockeye salmon that had large eggs and from males in late-season catches after egg diameter analysis revealed that all Tahltan fish had migrated through the fishery.

The desired sample size for each age-specific standard is 200 fish per stock. Conrad (1985) showed that, over a wide range of classification accuracies, only a minimal decrease in the variance of stock-composition estimates was achieved by enlarging sample sizes of standards above 200. We achieved this sample size goal for age-1.3 fish for all stock groups; however, for age-1.2, 2.2, and 2.3 fish we often did not have 200 samples therefore we used as many samples as were available (Appendix A).

CLASSIFICATION OF CATCHES

The desired sample size for “unknown” or mixed-stock samples from the catches is 100 per age class, per fishing period. Conrad (1985) analyzed scale pattern data and showed that, within a wide range of classification accuracies, the variance of stock-composition estimates decreases rapidly as

the sample size of unknowns is increased from 50 to 100, but further increases in sample size have a lesser effect on the variance.

Stock contributions were estimated for each week to track temporal patterns; however, in some weeks the catches were small and samples of the less common age groups were insufficient for classification unless they were pooled with the adjacent week's sample. Age-1.2, 1.3, 2.2, and 2.3 fish were classified with LDA. To calculate stock contributions first, let C_{ijt} denote the catch of fish of age i in group j in period t . Then, let C_t denote the total catch in period t , and let P_{it} denote the estimated proportions of fish of age i in the catch in period t , and finally, let S_{ijt} denote the proportion of fish of age i and estimated with LDA to be in group j . Then by simply multiplying the total catch by the appropriate estimated proportions, we arrive at the age-, group-, and period-specific catch estimate:

$$C_{ijt} = C_t \cdot P_{it} \cdot S_{ijt}.$$

The stock apportionment of the age groups not classified with LDA assumes the unclassified group belonging to any given stock in a catch was equal to the proportion of the combined LDA classified age classes. Let C_{mjt} represent the catch of fish of minor age classes of group j in period t and let C_t denote the total catch in period t (as above). Then let P_{mt} denote the estimated proportion of fish of unclassified age groups in the catch in period t , and $S_{.jt}$ denote the proportion of fish in all age classes belonging to group j in the catch in period estimated with LDA. Therefore,

$$C_{mjt} = C_t \cdot P_{mt} \cdot S_{.jt}$$

Age-0. fish were absent or extremely rare in Alaskan systems, Tahltan Lake, or the Skeena River. Age-0 fish are present in the early run Nass River and in the Stikine stocks. Stikine River stocks have historically composed 70% or more of the District 108 catch while Nass stocks have been only a minor catch component. Because of migratory routes and timing, all age-0. fish in the District 108 catch were assumed to be of Stikine origin. As above, simply multiplying the total catch by the appropriate estimated proportions results in the non-classified age-, group- and period-specific catch estimate.

The variances of the weekly and seasonal stock-composition estimates were estimated by the method reported in Oliver et al. (1985). The variance estimates are functions of: (1) the accuracy of the age-specific functions used to classify the unknowns; (2) the sample size of each standard used to develop age-specific discriminant functions; (3) the proportions of each stock in the initial and in the adjusted stock-composition estimates; (4) the age-specific stock-composition sample sizes; (5) the age composition sample sizes; and (6) the catch size (Thompson 2002). However, it is a minimum estimate of variance since it does not include any variance for age classes not classified with LDA, any variance for stocks contributing no fish during a given week, or any variance due to errors in aging or in reporting of catches. Variances of proportions of stock contributions are calculated with formulae from Pella and Robertson (1979).

RESULTS

The age and stock compositions of the weekly sockeye salmon catches in Subdistricts 106-30, 106-41, and District 108 were estimated from mid-June through late September (statistical weeks 25 to 39) (Tables 1-5 and Appendix A). Most discriminant function accuracies ranged from 60% to 80%, depending on the stocks included and the age class (Appendix B). CPUE and migratory

timing were calculated for all stock groups (Appendix C). The weekly catches by subdistrict and district for 1991-1995 were compared to historical catches (Appendix D). Results for thermal mark analysis for 1994 and 1995 are presented (Appendix E).

Table 1.—Postseason estimated contribution of sockeye salmon stock groups to the Alaskan District 106 and 108 commercial drift gillnet catches, 1991. The last period in the “Catch by District” columns includes harvest through the end of the season.

Dates	Stock Group	Catch by District			Total	Percent
		106-30	106-41	108		
6/16-6/22	Alaska	1,288	1,243	17	2,548	36.1
Week 25	Nass	667	1,399	26	2,093	29.7
	Skeena	30	307	52	389	5.5
	Tahltan	240	1,010	249	1,500	21.3
	Stikine	47	465	15	526	7.5
	Tuya	0	0	0	0	0.0
	Total	2,273	4,424	359	7,056	
6/23-6/29	Alaska	1,638	2,554	79	4,271	24.1
Week 26	Nass	856	4,253	86	5,195	29.4
	Skeena	147	976	152	1,275	7.2
	Tahltan	252	5,261	940	6,453	36.5
	Stikine	55	237	203	494	2.8
	Tuya	0	0	0	0	0.0
	Total	2,948	13,281	1,459	17,688	
6/30-7/06	Alaska	1,274	2,233	1,561	5,067	30.6
Week 27	Nass	708	2,881	150	3,739	22.6
	Skeena	48	455	641	1,144	6.9
	Tahltan	295	1,986	3,591	5,872	35.5
	Stikine	130	277	316	723	4.4
	Tuya	0	0	0	0	0.0
	Total	2,455	7,832	6,258	16,545	
7/07-7/13	Alaska	4,255	6,712	671	11,638	44.9
Week 28	Nass	2,076	4,655	155	6,886	26.6
	Skeena	126	2,008	32	2,166	8.4
	Tahltan	646	1,484	1,874	4,004	15.5
	Stikine	163	283	754	1,201	4.6
	Tuya	0	0	0	0	0.0
	Total	7,266	15,143	3,486	25,895	
7/14-7/20	Alaska	6,289	5,758	456	12,504	53.2
Week 29	Nass	1,169	3,687	381	5,237	22.3
	Skeena	525	1,220	0	1,745	7.4
	Tahltan	633	138	797	1,568	6.7
	Stikine	99	1,102	1,253	2,455	10.4
	Tuya	0	0	0	0	0.0
	Total	8,715	11,905	2,888	23,508	
7/21-7/27	Alaska	5,976	8,444	317	14,451	69.9
Week 30	Nass	791	1,923	337	3,051	13.1
	Skeena	352	883	0	1,235	5.3
	Tahltan	178	1,289	150	1,617	6.9
	Stikine	85	446	2,132	2,662	11.4
	Tuya	0	0	0	0	0.0
	Total	7,381	12,984	2,936	23,301	

Dates	Stock Group	Catch by District			Total	Percent
		106-30	106-41	108		
7/28-8/03	Alaska	6,621	6,421	12	13,074	67.7
Week 31	Nass	1,751	2,747	12	4,511	23.6
	Skeena	325	319	0	644	3.4
	Tahltan	235	0	6	241	1.3
	Stikine	0	583	78	662	3.5
	Tuya	0	0	0	0	0.0
	Total	8,932	10,071	108	19,111	
8/04-8/10	Alaska	4,641	2,804	39	7,477	73.6
Week 32	Nass	1,050	979	42	2,072	20.3
	Skeena	38	84	0	122	1.2
	Tahltan	129	63	19	211	2.1
	Stikine	0	74	265	339	3.3
	Tuya	0	0	0	0	0.0
	Total	5,859	4,004	365	10,228	
8/11-8/17	Alaska	3,434	2,552	1	6,018	57.4
Week 33	Nass	898	1,341	1	2,240	21.9
	Skeena	692	807	0	1,499	14.7
	Tahltan	204	259	0	463	4.5
	Stikine	0	10	6	16	0.2
	Tuya	0	0	0	0	0.0
	Total	5,228	4,969	8	10,205	
8/18-10/12	Alaska	1,912	2,192	13	4,359	40.4
Wks. 34-41	Nass	501	1,313	14	1,827	21.4
	Skeena	1,273	1,238	0	2,511	29.4
	Tahltan	0	0	6	6	0.1
	Stikine	6	0	87	93	1.1
	Tuya	0	0	0	0	0.0
	Total	3,692	4,743	120	8,555	
Season	Alaska	37,328	40,914	3,166	81,407	50.2
Totals	Nass	10,467	25,178	1,204	36,849	22.7
	Skeena	3,557	8,296	876	12,729	7.9
	Tahltan	2,812	11,491	7,632	21,935	13.5
	Stikine	585	3,477	5,109	9,171	5.7
	Tuya	0	0	0	0	0.0
	Total	54,749	89,356	17,987	162,092	

1991

The stock compositions of the weekly sockeye salmon catches in Subdistricts 106-30, 106-41, and District 108 were estimated from mid-June through mid-October (statistical weeks 25 to 41 or 42). Of the 162,092 sockeye salmon harvested in Districts 106 and 108, 50.2% were of Alaska origin, 30.6% were of British Columbia origin, and 19.2% of transboundary Stikine River origin (Table 1). Most discriminant function accuracies ranged from 65% to 85%, depending on the stocks included and the age class (Appendix B1-B4).

Subdistrict 106-30 Catches

A total of 54,749 sockeye salmon was harvested in the Alaska Subdistrict 106-30 drift gillnet fishery in 1991. An estimated 68.2% were of Alaska I and Alaska II origin, 25.6% were of Nass/Skeena origin, and 6.2% were of transboundary Stikine River origin (Appendix C1). Age-1.3 fish comprised 67.1% of the catch. Alaska stocks were the most abundant group in all age classes except for age-0. fish where 100% of catch were attributed to the Stikine stock group and age-2.2 fish where British Columbia stocks comprised an estimated 61% of the catch. Alaska stocks dominated the catch in all weeks. Tahltan fish were caught in small numbers throughout the season and Stikine fish were present in trace amounts from mid-June through the end of July.

Catches and CPUE for all stocks were low during the first three weeks of the season, increased in early July, and peaked during early July through mid-August when fish per boat day (f/b/d) ranged from 59-83 fish (Appendix C2). The peak of migratory timing, indicated by weekly proportion of CPUE, occurred first for Nass River and Alaska I fish during the same fishing period in early July and was followed by Alaska II and Skeena fish, periods: 7/14-7/20, 7/28-08/03, and 8/18-10/12 respectively. The CPUE for the Tahltan and the Stikine stock groups was too low to adequately estimate migratory timing other than indicate that the Tahltan group had a relatively early run timing.

Subdistrict 106-41 Catches

Of the 89,356 sockeye salmon harvested in the Subdistrict 106-41 drift gillnet fishery in 1991, 45.8% were of Alaska I and Alaska II origin, 37.5% were of Nass/Skeena origin, and 16.8% were of transboundary Stikine River origin (Appendix C.3). As in Subdistrict 106-30, the majority of the catch, 68.9%, was comprised of age-1.3 fish. Alaska stocks were the most abundant group in all age classes except for age-0. fish: where 100% of catch was attributed to the Stikine stock group; and age-2.2 fish, where British Columbia stocks comprised an estimated 71.5% of the catch. British Columbia stocks were dominant in the catch at the start of the season, week 25 through to week 27. In week 28, British Columbia and Alaska stocks were virtually equal, 44.3% and 44.0% respectively. Alaska stocks dominated the fishery in weeks 29-33 while British Columbia stocks comprised a larger proportion of the catch in weeks 34-41.

The peak CPUEs occurred in late June and early July at 117 and 100 f/b/d, and continued high with numbers ranging from 73 to 95 f/b/d into early August (Appendix C4). The migratory timing of Nass fish peaked in late June while the timing of the Alaska I, Alaska II, and Skeena stock groups peaked in early- to late July. The CPUE of the Tahltan stock peaked in late June at 46, while the Stikine stock group catch rate was too low to adequately estimate migratory timing..

District 108 Catches

Of the 17,987 sockeye salmon harvested in the District 108 drift gillnet fishery 70.8% were of transboundary Stikine River origin, 17.6% of Alaska I and Alaska II origin, and 11.6% of Nass/Skeena River origin (Appendix C5). Age-1.3 fish comprised 75.6% and age-0. fish comprised 6.6% of the catch. Tahltan and Stikine stocks were the most abundant age-1.3 fish and Stikine fish also were the most abundant stock group in the age-0. catch component. The Stikine River fish dominated the catch throughout the entire season, with Alaska stocks contributing

upwards of 25% of the catch in early to mid-July. The other stock groups were present in small numbers throughout the season.

The catch per boat day ranged from 60 to a peak of 76 fish from late June through mid-July (Appendix C6). The peak CPUEs of the Nass, Skeena, and Tahltan stock groups occurred during late June, while the peak of the Alaska I, Alaska II, and Stikine stock groups occurred from early to mid-July. The CPUEs of the Tahltan stock group ranged above 35 fish from late June to mid-July.

Test Fishery Catches

The District 108 test fishery catch was 5,181 fish (Appendices C7). Because the test fishery occurred in the same time and area strata as the commercial fishery, it was assumed to have the same age and stock compositions as the commercial catches for the strata. An estimated 71.7% of the test fishery catches, 3,714 fish, were assumed to be of transboundary river origin.

1992

The stock compositions of the weekly sockeye salmon catches in Subdistricts 106-30, 106-41, and District 108 were estimated from mid-June through late September (statistical weeks 25 to 40). Of the 255,872 sockeye salmon harvested in Districts 106 and 108, 50.3% were of Alaska origin, 19.4% were of British Columbia origin, and 30.3% of transboundary Stikine River origin (Table 2). Most discriminant function accuracies ranged from 65% to 85%, depending on the stocks included and the age class (Appendix B5-B8).

Subdistrict 106-30 Catches

A total of 56,547 sockeye salmon was harvested in the Alaska Subdistrict 106-30 drift gillnet fishery in 1992. An estimated 62.6% were of Alaska I and Alaska II origin, 21.0% were of Nass/Skeena origin, and 16.5% were of transboundary Stikine River origin (Appendix C8). Age-1.3 fish comprised 65.7% of the catch. Alaska stocks were the most abundant group in the 1.3 and 2.2 age classes and were a close second to the British Columbia stocks, with respective catch composition estimates of 35.5% and 41.7% for the 1.2 age class and 42.7% and 45.5% for the 2.3 age class fish. Alaska stocks dominated the catch in all weeks. The Stikine stock group contributed 100% of age-0 fish. Tahltan fish were caught in small numbers through the beginning of August and Stikine fish composed between 6% and 22% of the catch throughout the season.

Catches and CPUE for all stocks were low during the first week of the season, increasing to a peak of 96 fish in early July, fluctuating between approximately 60 and 90 into late July, before declining throughout the rest of the season (Appendix C9). The peak of migratory timing, occurred first for Nass River and Stikine fish in early July and was followed by Alaska I, Alaska II, and Skeena fish in late July. The CPUE of the Tahltan stock group was too low to adequately estimate migratory timing other than indicate that the Tahltan group had a relatively early run timing.

Table 2.—Postseason estimated contribution of sockeye salmon stock groups to the Alaskan District 106 and 108 commercial drift gillnet catches, 1992. The last period in the “Catch by District” columns includes harvest through the end of the season.

Dates	Stock Group	Catch by District			Total	Percent
		106-30	106-41	108		
6/21-6/27	Alaska	1,149	1,646	328	3,123	26.4
Week 26	Nass	314	1,136	695	2,145	18.1
	Skeena	44	449	7	500	4.2
	Tahltan	104	2,821	2,138	5,063	42.8
	Stikine	111	398	499	1,007	8.5
	Tuya	0	0	0	0	0.0
	Total	1,722	6,451	3,666	11,839	
6/28-7/04	Alaska	3,188	8,821	1,148	13,157	29.3
Week 27	Nass	1,676	4,102	266	6,044	13.5
	Skeena	843	6,858	20	7,721	17.2
	Tahltan	267	5,346	4,491	10,105	22.5
	Stikine	1,307	4,851	1,672	7,830	17.5
	Tuya	0	0	0	0	0.0
	Total	7,282	29,978	7,597	44,857	
7/05-7/11	Alaska	7,406	13,572	1,853	22,832	46.5
Week 28	Nass	2,232	3,926	78	6,236	12.7
	Skeena	569	1,042	51	1,662	3.4
	Tahltan	588	3,271	4,946	8,805	17.9
	Stikine	2,146	1,685	5,772	9,603	19.5
	Tuya	0	0	0	0	0.0
	Total	12,942	23,497	12,699	49,138	
7/12-7/18	Alaska	4,748	20,456	3,233	28,437	63.4
Week 29	Nass	327	2,067	587	2,981	6.6
	Skeena	367	2,063	167	2,597	5.8
	Tahltan	54	805	1,395	2,254	5.0
	Stikine	1,390	1,006	6,187	8,582	19.1
	Tuya	0	0	0	0	0.0
	Total	6,885	26,397	11,569	44,851	
7/19-7/25	Alaska	8,569	18,662	1,068	28,299	61.7
Week 30	Nass	974	2,260	305	3,539	7.7
	Skeena	601	2,040	187	2,829	6.2
	Tahltan	111	246	610	967	2.1
	Stikine	550	1,337	8,342	10,229	22.3
	Tuya	0	0	0	0	0.0
	Total	10,804	24,546	10,512	45,862	
7/26-8/01	Alaska	3,988	12,494	580	17,062	56.2
Week 31	Nass	0	657	0	657	2.2
	Skeena	1,268	4,021	277	5,566	18.3
	Tahltan	66	313	11	391	1.3
	Stikine	843	2,305	3,522	6,670	22.0
	Tuya	0	0	0	0	0.0
	Total	6,165	19,790	4,391	30,346	

Dates	Stock Group	Catch by District			Total	Percent
		106-30	106-41	108		
8/02-8/08	Alaska	2,653	5,062	237	7,952	59.0
Week 32	Nass	0	0	0	0	0.0
	Skeena	704	1,440	14	2,158	16.0
	Tahltan	23	85	7	116	0.9
	Stikine	973	679	1,594	3,246	24.1
	Tuya	0	0	0	0	0.0
	Total	4,353	7,266	1,852	13,471	
8/09-8/15	Alaska	2,015	2,137	104	4,255	57.4
Week 33	Nass	0	0	0	0	0.0
	Skeena	769	773	27	1,569	21.2
	Tahltan	0	0	1	1	0.0
	Stikine	403	1,027	154	1,585	21.4
	Tuya	0	0	0	0	0.0
	Total	3,187	3,937	287	7,411	
8/16-8/22	Alaska	712	833	21	1,567	48.6
Week 34	Nass	0	0	0	0	0.0
	Skeena	410	720	6	1,135	35.2
	Tahltan	0	0	0	0	0.0
	Stikine	172	319	31	522	16.2
	Tuya	0	0	0	0	0.0
	Total	1,294	1,872	58	3,224	
8/23-10/03	Alaska	952	1,003	31	1,985	40.7
Wks. 35-40	Nass	0	0	0	0	0.0
	Skeena	756	1,450	8	2,214	45.4
	Tahltan	0	0	0	0	0.0
	Stikine	205	421	46	673	13.8
	Tuya	0	0	0	0	0.0
	Total	1,913	2,874	86	4,873	
Season	Alaska	35,380	84,685	8,604	128,669	50.3
Totals	Nass	5,523	14,150	1,930	21,603	8.4
	Skeena	6,330	20,856	764	27,950	10.9
	Tahltan	1,214	12,888	13,600	27,702	10.8
	Stikine	8,099	14,029	27,819	49,947	19.5
	Tuya	0	0	0	0	0.0
	Total	56,547	146,608	52,717	255,872	

Subdistrict 106-41 Catches

Of the 146,608 sockeye salmon harvested in the Subdistrict 106-41 drift gillnet fishery in 1992, 57.8% were of Alaska I and Alaska II origin, 23.9% were of Nass/Skeena origin, and 18.4% were of transboundary Stikine River origin (Appendix C10). As in Subdistrict 106-30, the majority of the catch, 67.3%, was comprised of age-1.3 fish. Alaska stocks were the most abundant group in 1.3, 2.2, and 2.3 age classes, while British Columbia stocks comprised an estimated 42.7% of the age-1.2 catch. The Stikine stock group contributed 100% of age-0 fish. The stock with the highest proportion in the catch, by week, starting with week 26, was the Transboundary Stikine River fish with 49.9%, shifting to a 36.5% British Columbia stock composition in the second week, then moving to Alaska stocks which dominated the catches in weeks 28-34, finishing with a British Columbia stock composition of 50.5% during weeks 35-40. Tahltan fish were caught through early August, with a peak catch of over 5,000 fish in week 27.

The contribution of Stikine fish ranged between approximately 4% and 26% throughout the season, with a peak catch of approximately 4,900 fish in week 27.

The peak CPUEs occurred in late July and mid-August at 110 and 111 f/b/d, respectively (Appendix C11). The migratory timing of Skeena, Tahltan, Stikine, and Nass fish peaked in late June through early July while the timing of the Alaska I and Alaska II stock groups peaked in mid- to late July.

District 108 Catches

Of the 52,717 sockeye salmon harvested in the District 108 drift gillnet fishery, 78.6% were of transboundary Stikine River origin, 16.3% of Alaska I and Alaska II origin, and 5.1% of Nass/Skeena River origin (Appendix C12). Age-1.3 fish comprised 78.8% and age-0 fish comprised 7.0% of the catch. Tahltan and Stikine stocks were the most abundant age-1.3 and age-2.3 fish, while the Alaska I stock group comprised the largest proportion of the age-1.2 and age-2.2 fish. The Stikine stock group contributed 100% of age-0 fish. The Tahltan stock group dominated the catch in the first two weeks of the season (6/21/92-7/04/92), and then stock compositions shifted abruptly to Stikine fish in mid-July through to the end of the season in early October. Most of the other stock groups were present in small numbers throughout the season, with the exception of the Alaska stock groups which contributed approximately 36% of the commercial catch from week 33 through the end of the season.

The f/b/d during the first 6 weeks of the season (6/21/92-8/1/92) stayed above 44, with a peak of 73 f/b/d during the first week of the season. F/b/d dropped to 21 during week seven, and further declined to 1 fish per day over the remaining eight weeks of the season (Appendix C13). The peak CPUEs of the Nass and Tahltan stock groups occurred during the first week of the season, while the peak CPUEs for the Alaska stocks, Skeena, and Stikine occurred from mid to late July. Transboundary stocks contributed a majority of the CPUE throughout the season; the first week peak and ensuing decline of the Tahltan stock was offset by a transition in the CPUE to a Stikine stock majority for the remainder of the season.

Test Fishery Catches

The District 108 test fishery catch was 1,299 fish (Appendix C14). An estimated 77.5% of the test fishery catch, 1,007 fish, was assumed to be of Stikine River origin. Weekly catches were small and were assumed to have the same age and stock compositions as the commercial catches for the same area/time strata.

1993

The stock compositions of the weekly sockeye salmon catches in Subdistricts 106-30, 106-41, and District 108 were estimated from mid-June through early October (statistical weeks 26 to 41). Of the 282,829 sockeye salmon harvested in Districts 106 and 108, 37.3% were of transboundary Stikine River origin, 35.2% were of Alaska origin, and 27.5% were of British Columbia origin (Table 3). Discriminant function accuracies ranged from 72% to 98%, depending on the stocks included and the age class (Appendix B9-B12).

Table 3.—Postseason estimated contribution of sockeye salmon stock groups to the Alaskan District 106 and 108 commercial drift gillnet catches, 1993. The last period in the “Catch by District” columns includes harvest through the end of the season.

Dates	Stock Group	Catch by District			Total	Percent
		106-30	106-41	108		
6/20-6/26	Alaska	548	989	316	1,853	29.4
Week 26	Nass	139	576	346	1,061	16.8
	Skeena	0	0	0	0	0.0
	Tahltan	125	1,427	1,211	2,763	43.8
	Stikine	0	188	444	632	10.0
	Tuya	0	0	0	0	0.0
	Total	812	3,180	2,317	6,309	
6/27-7/03	Alaska	830	3,963	2,063	6,856	26.8
Week 27	Nass	55	547	969	1,571	6.1
	Skeena	74	2,355	0	2,430	9.5
	Tahltan	479	5,078	6,229	11,785	46.0
	Stikine	42	671	2,240	2,953	11.5
	Tuya	0	0	0	0	0.0
	Total	1,481	12,614	11,500	25,595	
7/04-7/10	Alaska	2,487	4,346	3,309	10,142	27.2
Week 28	Nass	432	1,525	1,027	2,985	8.0
	Skeena	1,180	1,942	1,310	4,432	11.9
	Tahltan	532	4,110	8,040	12,682	34.0
	Stikine	90	1,249	5,753	7,092	19.0
	Tuya	0	0	0	0	0.0
	Total	4,721	13,172	19,439	37,332	
7/11-7/17	Alaska	4,885	3,459	5,036	13,380	28.6
Week 29	Nass	1,047	2,472	1,224	4,743	10.1
	Skeena	2,503	3,775	1,233	7,510	16.1
	Tahltan	69	2,810	2,712	5,592	12.0
	Stikine	563	5,032	9,927	15,523	33.2
	Tuya	0	0	0	0	0.0
	Total	9,067	17,549	20,132	46,748	
7/18-7/24	Alaska	5,247	7,409	3,674	16,331	43.2
Week 30	Nass	1,593	2,059	68	3,720	9.8
	Skeena	3,135	2,165	1,596	6,896	18.2
	Tahltan	150	1,079	1,003	2,232	5.9
	Stikine	1,967	1,235	5,424	8,626	22.8
	Tuya	0	0	0	0	0.0
	Total	12,093	13,947	11,765	37,805	
7/25-7/31	Alaska	6,721	8,636	2,071	17,429	38.7
Week 31	Nass	2,023	3,700	124	5,847	13.0
	Skeena	2,389	2,645	296	5,330	11.8
	Tahltan	129	1,041	365	1,535	3.4
	Stikine	3,779	7,210	3,940	14,930	33.1
	Tuya	0	0	0	0	0.0
	Total	15,041	23,232	6,797	45,070	

Dates	Stock Group	Catch by District			Total	Percent
		106-30	106-41	108		
8/01-8/07	Alaska	7,468	10,296	808	18,572	49.2
Week 32	Nass	2,086	4,049	86	6,222	16.5
	Skeena	2,155	2,449	265	4,868	12.9
	Tahltan	145	265	86	496	1.3
	Stikine	1,949	3,704	1,910	7,563	20.0
	Tuya	0	0	0	0	0.0
	Total	13,803	20,763	3,154	37,720	
8/08-8/14	Alaska	2,898	3,592	375	6,865	29.1
Week 33	Nass	0	0	0	0	0.0
	Skeena	5,502	5,508	36	11,047	46.9
	Tahltan	387	677	14	1,078	4.6
	Stikine	1,764	2,284	530	4,578	19.4
	Tuya	0	0	0	0	0.0
	Total	10,551	12,061	956	23,568	
8/15-8/21	Alaska	2,029	3,207	62	5,237	36.9
Week 34	Nass	0	0	0	0	0.0
	Skeena	1,494	4,203	90	5,787	39.6
	Tahltan	496	604	26	1,125	7.7
	Stikine	1,440	705	270	2,416	16.5
	Tuya	0	0	0	0	0.0
	Total	5,459	8,719	448	14,626	
8/22-10/09	Alaska	1,006	1,659	51	2,665	34.7
Wks. 35-41	Nass	0	0	0	0	0.0
	Skeena	1,200	2,128	74	3,402	42.2
	Tahltan	226	158	21	405	5.0
	Stikine	636	677	221	1,533	19.0
	Tuya	0	0	0	0	0.0
	Total	3,068	4,622	366	8,056	
Season	Alaska	34,120	47,557	17,766	99,442	35.2
Totals	Nass	7,375	14,928	3845	26,148	9.2
	Skeena	19,631	27,170	4,900	51,701	18.3
	Tahltan	2,738	17,249	19,706	39,692	14.0
	Stikine	12,232	22,956	30,658	65,845	23.3
	Tuya	0	0	0	0	0.0
	Total	76,096	129,859	76,874	282,829	100.0

Subdistrict 106-30 Catches

A total of 76,096 sockeye salmon was harvested in the Alaska Subdistrict 106-30 drift gillnet fishery in 1993. An estimated 44.8% were of Alaska I and Alaska II origin, 35.5% were of Nass/Skeena origin, and 19.7% were of transboundary Stikine River origin (Appendix C15). Age-1.3 fish comprised 48.9% of the catch. British Columbia stocks were the most abundant group in the 1.2, 1.3, and 2.2 age classes, while Alaska stocks comprised an estimated 92.5% of the age-2.3 catch. The Stikine stock group contributed 100% of age-0 fish. Alaska stocks dominated the catch in weeks 26-32 and week 34, while Skeena composed the largest proportion of the catch in weeks 33 and 35-41. Transboundary Stikine River fish contributed approximately 7% to 35% of the commercial catch throughout the season, shifting from a majority Tahltan stock composition in the first three weeks of the season to a Stikine stock majority over the remainder of the season.

Catches and CPUE for all stocks were low during the first two weeks of the season, increased in early July, and peaked during the week of 7/18/93-7/24/93 with 114 f/b/d (Appendix C16). The peak of migratory timing occurred first for Tahltan fish in late June and was followed by Alaska I, Nass, Stikine, Alaska II, and Skeena fish, respectively, from mid-July to mid-August.

Subdistrict 106-41 Catches

Of the 129,859 sockeye salmon harvested in the Subdistrict 106-41 drift gillnet fishery in 1993, 36.6% were of Alaska I and Alaska II origin, 32.4% were of Nass/Skeena origin, and 31.0% were of transboundary Stikine River origin (Appendix C17). As in Subdistrict 106-30, the majority of the catch, 50.9%, was comprised of age-1.3 fish. British Columbia stocks were the most abundant group in the age-1.2 and age-2.2 catch, 35% and 68% respectively, while the Alaska stocks comprised 80% of the age-2.3 fish and the transboundary Stikine River stocks comprised 42% of the age-1.3 fish. The Stikine stock group contributed 100% of age-0 fish. Transboundary Stikine River stocks dominated the catch in weeks 26-29, Alaska stocks dominated catch in weeks 30-32, and British Columbia stocks dominated catch in weeks 33-41.

The f/b/d for weeks 27-32 stayed above 88 fish, with a peak of 110 f/b/d during week 29, while in weeks 26, 33, 34, and 35-41 the f/b/d ranged from 1 to 55. (Appendix C18). The migratory timing of transboundary Stikine River fish peaked from late June to mid-July, while the timing of the Alaska and the British Columbia stock groups peaked from late July to mid-August.

District 108 Catches

Of the 76,874 sockeye salmon harvested in the District 108 drift gillnet fishery, 65.5% were of transboundary Stikine River origin, 23.1% of Alaska I and Alaska II origin, and 11.4% of Nass/Skeena River origin (Appendix C19). Age-1.3 fish comprised 51.1% and age-0 fish comprised 11.6% of the catch. Tahltan and Stikine stocks were the most abundant age-1.2, age-1.3, and age-2.2 fish, while the Alaska I stock group comprised the largest proportion of the age-2.3 fish. The Stikine stock group contributed 100% of age-0 fish. The Tahltan stock group dominated the catch in the first three weeks of the season (6/20/93-7/10/93), after which the dominant stock composition shifted abruptly to Stikine fish, which maintained dominance through the end of the season in early October. The other stock groups were present in small numbers throughout the season, with the exception of the Alaska stock groups, which constituted a range of approximately 25% to 39% of the commercial catch during weeks 29-33.

The f/b/d during weeks 27-32 (6/27/93-8/7/93) stayed above 41, with a peak of 87 f/b/d during week 28 (7/4/93-7/10/93). F/b/d ranged between 3 and 29 for weeks 26 and 33-41. (Appendix C20). The peak CPUEs of the Alaska I, Nass, Skeena, and Tahltan stock groups occurred from late June to early July, while the peak CPUEs for the Alaska II and Stikine occurred in late July. Transboundary stocks comprised a majority of the CPUE throughout the season; the second week peak and ensuing decline of the Tahltan stock was offset by a transition in the CPUE to a Stikine stock majority for the remainder of the season.

Test Fishery Catches

The District 108 test fishery catch was 303 fish (Appendices C21). An estimated 72.0% of the test fishery catches, 218 fish, were assumed to be of Stikine River origin. Weekly catches were small and were assumed to have the same age and stock compositions as the commercial catches for the same area/time strata.

1994

The stock compositions of the weekly sockeye salmon catches in Subdistricts 106-30, 106-41, and District 108 were estimated from mid-June through early October (statistical weeks 25 to 41). Of the 308,272 sockeye salmon harvested in Districts 106 and 108, 49.5% were of Alaska origin, 23.8% were of British Columbia origin, and 26.7% were of transboundary Stikine River origin (Table 4). Discriminant function accuracies ranged from 73% to 93%, depending on the stocks included and the age class (Appendix B13-B16).

Table 4.—Postseason estimated contribution of sockeye salmon stock groups to the Alaskan District 106 and 108 commercial drift gillnet catches, 1994. The last period in the “Catch by District” columns includes harvest through the end of the season.

Dates	Stock Group	Catch by District			Total	Percent
		106-30	106-41	108		
6/13-6/19	Alaska			41	41	46.5
Week 25	Nass			1	1	1.2
	Skeena	No	No	19	19	21.3
	Tahltan	Catch	Catch	22	22	24.9
	Stikine			5	5	6.1
	Tuya			0	0	0.0
	Total			89	89	
6/20-6/26	Alaska	810	1,108	466	2,383	33.3
Week 26	Nass	208	491	117	817	11.4
	Skeena	0	300	185	486	6.8
	Tahltan	246	1,713	985	2,943	41.2
	Stikine	67	182	269	518	7.2
	Tuya	0	0	0	0	0.0
	Total	1,331	3,794	2,022	7,147	
6/27-7/03	Alaska	1,296	4,751	2,745	8,791	33.1
Week 27	Nass	266	1,004	254	1,524	5.7
	Skeena	39	0	2,505	2,544	9.6
	Tahltan	405	5,954	5,779	12,138	45.7
	Stikine	151	483	910	1,544	5.8
	Tuya	0	0	0	0	0.0
	Total	2,157	12,192	12,193	26,542	
7/04-7/10	Alaska	2,604	7,561	6,571	16,736	33.9
Week 28	Nass	195	1,828	3,429	5,452	11.0
	Skeena	52	1,882	118	2,052	4.2
	Tahltan	889	7,095	15,512	23,496	47.5
	Stikine	250	784	646	1,680	3.4
	Tuya	0	0	0	0	0.0
	Total	3,990	19,150	26,276	49,416	
7/11-7/17	Alaska	4,907	14,380	7,257	26,543	45.3
Week 29	Nass	265	4,243	4,614	9,122	15.6
	Skeena	268	1,807	4,183	6,258	10.7
	Tahltan	466	4,726	7,918	13,110	22.4
	Stikine	124	1,590	1,883	3,597	6.1
	Tuya	0	0	0	0	0.0
	Total	6,031	26,745	25,854	58,630	
7/18-7/24	Alaska	5,603	19,915	7,927	33,445	60.0
Week 30	Nass	153	638	206	998	1.8
	Skeena	696	4,769	2917	8,382	15.0
	Tahltan	401	3,452	4,228	8,081	14.5
	Stikine	81	2,026	2,693	4,799	8.6
	Tuya	0	0	0	0	0.0
	Total	6,934	30,800	17,971	55,705	

Dates	Stock Group	Catch by District			Total	Percent
		106-30	106-41	108		
7/25-7/31	Alaska	9,771	14,765	3,728	28,264	54.6
Week 31	Nass	1,466	1,625	134	3,224	6.2
	Skeena	2,338	11,290	462	14,090	27.2
	Tahltan	926	565	523	2,014	3.9
	Stikine	202	1,503	2,480	4,186	8.1
	Tuya	0	0	0	0	0.0
	Total	14,704	29,747	7,327	51,778	
8/01-8/07	Alaska	7,535	10,051	1,445	19,031	72.6
Week 32	Nass	448	740	74	1,262	4.8
	Skeena	1,652	2,114	322	4,088	15.6
	Tahltan	0	824	152	976	3.7
	Stikine	89	26	753	868	3.3
	Tuya	0	0	0	0	0.0
	Total	9,724	13,755	2,746	26,225	
8/08-8/14	Alaska	2,153	5,973	749	8,876	55.6
Week 33	Nass	268	909	49	1,225	7.7
	Skeena	899	3,775	281	4,955	31.1
	Tahltan	10	551	22	583	3.7
	Stikine	50	22	242	315	2.0
	Tuya	0	0	0	0	0.0
	Total	3,381	11,230	1,343	15,954	
8/15-10/09	Alaska	1,368	2,186	287	3,841	48.7
Wks 34	Nass	229	509	33	770	9.8
	Skeena	509	1,984	101	2,594	32.9
	Tahltan	116	424	16	556	7.1
	Stikine	5	27	90	123	1.6
	Tuya	0	0	0	0	0.0
	Total	2,227	5,129	527	7,883	
8/21-10/08	Alaska	1,870	2,193	476	4,539	51.0
Wks. 35-41	Nass	312	584	54	951	10.7
	Skeena	695	1,800	169	2,663	29.9
	Tahltan	159	383	27	568	6.4
	Stikine	7	24	150	182	2.0
	Tuya	0	0	0	0	0.0
	Total	3,043	4,984	876	8,903	
Season	Alaska	37,918	82,882	31,691	152,491	49.5
Totals	Nass	3,810	12,570	8965	25,345	8.2
	Skeena	7,149	29,720	11,262	48,131	15.6
	Tahltan	3,618	25,687	35,185	64,489	20.9
	Stikine	1,028	6,667	10,120	17,816	5.8
	Tuya	0	0	0	0	0.0
	Total	53,522	157,526	97,224	308,272	

Subdistrict 106-30 Catches

A total of 53,522 sockeye salmon was harvested in the Alaska Subdistrict 106-30 drift gillnet fishery in 1994. An estimated 70.8% were of Alaska I and Alaska II origin, 20.5% were of Nass/Skeena origin, and 8.7% were of transboundary Stikine River origin (Appendix C22). Age-1.3 fish comprised 72.2% of the catch. Alaska stocks were the most abundant catch component in the 1.3, 2.2, and 2.3 age classes, while the age-1.2 catch component was composed of an

estimated 65.6% British Columbia stock. The Stikine stock group contributed 100% of age-0 fish. Alaska stocks dominated the catch in every week, maintaining a stock composition of between 61% and 81% throughout the entire season; in comparison, transboundary Stikine River stocks ranged between 1% to 29% and British Columbia stocks ranged between 6% and 35% over the entire season.

CPUE for all stocks increased during the first five weeks of the season, peaking during the week of 7/17-7/23 at f/b/d (Appendix C23). The peak of migratory timing, occurred first for Nass fish in late June and was followed by Tahltan, Stikine, Alaska I, Alaska II, and Skeena fish, respectively, from early July to late July.

An estimated 789 sockeye salmon in the catch originated from the Tahltan Lake fry planting program (Appendix E1). This was 2% of the total sockeye salmon harvest in Subdistrict 106-30.

Subdistrict 106-41 Catches

Of the 157,526 sockeye salmon harvested in the Subdistrict 106-41 drift gillnet fishery in 1993, 52.6% were of Alaska I and Alaska II origin, 26.8% were of Nass/Skeena origin, and 20.5% were of transboundary Stikine River origin (Appendix C24). As in Subdistrict 106-30, the majority of the catch, 76.0%, was comprised of age-1.3 fish. Alaska stocks were the most abundant group in the age-1.3, age-2.2, and age-2.3 fish, with 51.4%, 53.0%, and 77.9% respectively, while the British Columbia stocks comprised 56.6% of the age-1.2 fish. The Stikine stock group contributed 100% of age-0 fish. Transboundary Stikine River stocks dominated the catch in weeks 26-28, shifting to the Alaska stocks which dominated the catch in weeks 29-33, and finishing with British Columbia stocks which dominated the catch in weeks 34-41.

The peak CPUEs occurred in early to mid-July at 131 and 165 f/b/d, continuing with between 37 and 105 f/b/d into mid-August (Appendix C25). The migratory timing of Tahltan fish peaked in early July, with peak migratory timing continuing in the order of Alaska I, Nass, Stikine, Alaska II, and Skeena stock groups into late July.

An estimated 6,230 thermally marked sockeye salmon from the Tahltan Lake fry planting program were harvested in 106-41 (Appendix E2). This represented 4% of the total sockeye salmon harvest in that sub-district.

District 108 Catches

Of the 97,224 sockeye salmon harvested in the District 108 drift gillnet fishery, 46.6% were of transboundary Stikine River origin, 32.6% of Alaska I and Alaska II origin, and 20.8% of Nass/Skeena River origin (Appendix C26). Age-1.3 fish comprised 88.2% and age-0 fish comprised 1.8% of the catch. Tahltan and Stikine stocks were the most abundant age-1.2, age-1.3, and age-2.2 fish, while the Alaska I stock group comprised the largest proportion of the age-2.3 fish. The Stikine stock group contributed 100% of age-0 fish. Alaska fish dominated the catch in week 25 with a stock composition estimate of 46.5%. The transboundary Stikine stock groups dominated the catch in weeks 26-29 of the season (6/20/94-7/17/94), after which the dominant stock composition shifted to Alaska fish, which maintained dominance through the end of the season in early October. The British Columbia stock groups were present in small numbers throughout the season, with a peak stock composition of 34% in week 29 (7/11/94-7/17/04).

The f/b/d during weeks 26-33 (6/20/94-8/14/94) stayed above 35, with a peak of 79 f/b/d during week 27 (6/27/94-7/3/94), while weeks 25 and 34-41 ranged between 2 and 3 f/b/d (Appendix

C27). The peak CPUEs of the Skeena, Tahltan, and Nass stock groups occurred from late June to mid-July, while the peak CPUEs for the Alaska II, Stikine, and Alaska I occurred from late July to mid-August.

Analysis of otoliths for the presence of thermal marks indicated that 10,982 sockeye salmon in the District 108 gillnet harvest originated from the Tahltan Lake fry planting program (Appendix E3). Thermally marked fish contributed 7% of the catch in that district.

Test Fishery Catches

The Subdistrict 106-41 test fishery catch was 12 fish (Appendices C28). An estimated 66.7% of the test fishery catches, 8 fish, were assumed to be age-1.3 fish, with the remaining 33.3% being age-2.3 fish, based on the assumption that the catch has the same age and stock compositions as the commercial catches for the same area/time strata.

1995

The stock compositions of the weekly sockeye salmon catches in Subdistricts 106-30, 106-41, and District 108 were estimated from mid-June through late September (statistical weeks 24 to 39). Of the 283,650 sockeye salmon harvested in Districts 106 and 108, 45.1% were of British Columbia origin, 28.9% were of transboundary Stikine River origin, and 25.9% were of Alaska origin, (Table 5). Discriminant function accuracies ranged from 66% to 98%, depending on the stocks included and the age class (Appendix B17-B20).

Subdistrict 106-30 Catches

A total of 73,585 sockeye salmon was harvested in the Alaska Subdistrict 106-30 drift gillnet fishery in 1995. An estimated 52.9% were of Nass/Skeena origin, 35.4% were of Alaska I and Alaska II origin, and 11.7% were of transboundary Stikine River origin (Appendix C29). Age-1.3 fish comprised 59.6% of the catch. British Columbia stocks were the most abundant group in the 1.2 and 1.3 age classes, while Alaska stocks dominated the age-2.2 and age-2.3 catch. The Stikine stock group contributed 100% of age-0 fish. The Alaska I stock dominated the catch in weeks 25-30, while Skeena composed the largest proportion of the catch in weeks 31-39. Transboundary Stikine River fish contributed approximately 3% to 32% of the commercial catch throughout the season, therein shifting from a majority Tahltan stock composition in the first four weeks of the season to a Stikine stock majority over the remainder of the season.

Catches and CPUE for all stocks were low during the first two weeks of the season, increased in early July, and peaked during the week of 7/30/95-8/05/95 at 117 f/b/f (Appendix C30). The peak of migratory timing occurred first for Nass and Tahltan fish in early July and was followed by Stikine, Alaska II, Alaska I, and Skeena fish, respectively, from mid-July to mid-August.

Estimated contributions of thermally marked fish to the Subdistrict 106-30 fishery included 754 sockeye salmon from the Tahltan Lake fry plant and 0 fish from the Tuya Lake fry plant (Appendix E4). This represented 2% of the catch in that subdistrict.

Table 5.—Postseason estimated contribution of sockeye salmon stock groups to the Alaskan District 106 and 108 commercial drift gillnet catches, 1995. The last period in the “Catch by District” columns includes harvest through the end of the season.

Dates	Stock Group	Catch by District			Total	Percent
		106-30	106-41	108		
6/11-6/17	Alaska			56	56	25.5
Week 24	Nass			51	51	23.5
	Skeena	No	No	6	6	2.9
	Tahltan	Catch	Catch	83	83	37.9
	Stikine			22	22	10.2
	Tuya			0	0	0.0
	Total			219	219	
6/18-6/24	Alaska	172	1,215	325	1,713	13.1
Week 25	Nass	92	1,374	720	2,186	16.7
	Skeena	19	988	206	1,213	9.3
	Tahltan	69	2,452	4,056	6,578	50.2
	Stikine	14	329	1,066	1,409	10.8
	Tuya	0	0	0	0	0.0
	Total	366	6,359	6,373	13,098	
6/25-7/01	Alaska	466	2,170	2,004	4,640	12.8
Week 26	Nass	250	2,303	3,193	5,745	15.9
	Skeena	51	1,336	3,171	4,558	12.6
	Tahltan	188	4,708	13,199	18,094	50.0
	Stikine	37	716	2,409	3,162	8.7
	Tuya	0	0	0	0	0.0
	Total	991	11,232	23,976	36,199	
7/02-7/08	Alaska	1,941	2,442	2,058	6,441	19.2
Week 27	Nass	1,461	1,352	3,518	6,331	18.9
	Skeena	622	1,118	1,092	2,831	8.4
	Tahltan	1,747	3,154	10,142	15,043	44.9
	Stikine	155	119	2,617	2,891	8.6
	Tuya	0	0	0	0	0.0
	Total	5,927	8,184	19,426	33,537	
7/09-7/15	Alaska	2,575	4,939	1,591	9,105	25.7
Week 28	Nass	670	1,315	1,026	3,011	8.5
	Skeena	1,200	8,086	1,291	10,577	29.8
	Tahltan	580	2,192	5,959	8,730	24.6
	Stikine	380	716	2,925	4,021	11.3
	Tuya	0	0	0	0	0.0
	Total	5,404	17,248	12,793	35,445	
7/16-7/22	Alaska	2,600	5,678	2,340	10,618	42.3
Week 29	Nass	448	1,777	241	2,465	9.8
	Skeena	1,949	3,754	473	6,177	24.6
	Tahltan	53	327	1,627	2,007	8.0
	Stikine	1,047	572	2,216	3,834	15.3
	Tuya	0	0	0	0	0.0
	Total	6,097	12,108	6,896	25,101	

Dates	Stock Group	Catch by District			Total	Percent
		106-30	106-41	108		
7/23-7/29	Alaska	4,912	8,116	1,506	14,534	32.7
Week 30	Nass	1,560	2,842	272	4,674	10.5
	Skeena	3,567	14,570	152	18,290	41.1
	Tahltan	338	95	314	747	1.7
	Stikine	689	2,942	2,627	6,257	14.1
	Tuya	0	0	0	0	0.0
	Total	11,066	28,565	4,871	44,502	
7/30-8/05	Alaska	3,907	5,585	180	9,673	33.5
Week 31	Nass	1,989	2,132	29	4,150	14.4
	Skeena	4,937	7,007	9	11,953	41.4
	Tahltan	336	71	22	429	1.5
	Stikine	1,231	835	631	2,697	9.3
	Tuya	0	0	0	0	0.0
	Total	12,400	15,630	871	28,901	
8/06-8/12	Alaska	4,074	2,822	76	6,972	27.7
Week 32	Nass	702	974	4	1,680	6.7
	Skeena	6,396	8,163	42	14,601	58.0
	Tahltan	12	39	2	54	0.2
	Stikine	315	1,365	196	1,876	7.5
	Tuya	0	0	0	0	0.0
	Total	11,499	13,363	321	25,183	
8/13-8/19	Alaska	4,030	2,692	82	6,804	28.2
Week 33	Nass	739	919	5	1,663	6.9
	Skeena	6,371	7,397	45	13,813	57.2
	Tahltan	0	153	3	156	0.6
	Stikine	886	606	210	1,703	7.1
	Tuya	0	0	0	0	0.0
	Total	12,027	11,768	344	24,139	
8/20-9/30	Alaska	1,368	1,513	158	3,040	17.5
Wks 34-39(38) (Dist. 108)	Nass	262	487	9	758	4.4
	Skeena	5,643	5,548	87	11,278	65.1
	Tahltan	0	0	5	5	0.0
	Stikine	535	1,304	407	2,246	13.0
	Tuya	0	0	0	0	0.0
	Total	7,808	8,852	666	17,326	
Season	Alaska	26,045	37,173	10,376	73,594	25.9
Totals	Nass	8,173	15,476	9,067	32,716	11.5
	Skeena	30,754	57,967	6,575	95,296	33.6
	Tahltan	3,324	13,190	35,411	51,925	18.3
	Stikine	5,288	9,503	15,327	30,119	10.6
	Tuya	0	0	0	0	0.0
	Total	73,585	133,309	76,756	283,650	

Subdistrict 106-41 and 42 Catches

Of the 133,309 sockeye salmon harvested in the Subdistrict 106-41 drift gillnet fishery in 1995, 27.9% were of Alaska I and Alaska II origin, 55.1% were of Nass/Skeena origin, and 17.0% were of transboundary Stikine River origin (Appendix C31). As in Subdistrict 106-30, the majority of the catch, 63.8%, was comprised of age-1.3 fish. British Columbia stocks were the most abundant group in the age-1.2, age-1.3, and age-2.2 catch, 63%, 61%, and 52% respectively, while the Alaska stocks comprised 62% of the age-2.3 fish. The Stikine stock group contributed 100% of age-0. fish. Transboundary Stikine River stocks dominated the catch in weeks 25-27, shifting to British Columbia stocks which dominated catch in weeks 28-39, with the exception of week 29 when Alaska stocks contributed 46.9% of the catch.

The f/b/d for weeks 25-33 remained above 54 fish, with a peak of 125 f/b/d during week 30, while in weeks 34-39 it dropped to approximately 2 f/b/d (Appendix C32). The migratory timing

of Nass and Tahltan fish peaked from late June to early July, while the timing of the Alaska I, Alaska II, Skeena, and Stikine stock groups peaked from mid- to late July.

An estimated 6,777 fish from the Tahltan fry plant and 125 fish from the Tuya fry plant were harvested in the Sub-district 106-41 sockeye salmon fishery (Appendix E5). In total, the fish from the fry planting program contributed 7% of the harvest in this subdistrict.

District 108 Catches

Of the 76,756 sockeye salmon harvested in the District 108 drift gillnet fishery, 66.1% were of transboundary Stikine River origin, 13.5% of Alaska I and Alaska II origin, and 20.4% of Nass/Skeena River origin (Appendix C33). Age-1.3 fish comprised 70.2% and age-0. fish comprised 2.0% of the catch. The transboundary Stikine River stocks were the most abundant age-1.2, age-1.3, and age-2.3 fish in the catch, while the Alaska stocks comprised the largest proportion of the age-2.2 fish. The Stikine stock group contributed 100% of age-0. fish. The Tahltan stock group dominated the catch in the first five weeks of the season (6/11/95-7/15/95), after which the stock composition shifted abruptly to Stikine fish, which maintained dominance through the end of the season in late September. The other stock groups were present in small numbers throughout the season; with the exception of peak Alaska stock contributions in weeks 29 and 30, when approximately 31% to 34% of the commercial catch was of Alaska origin.

During weeks 25-31 (6/18/95-8/5/95) the f/b/d remained above 34 fish, with a peak of 84 f/b/d during week 26 (6/25/95-7/1/95). F/b/d ranged between 5 and 13 fish for weeks 24 and 32-38 (Appendix C34). The peak CPUEs of the Nass, Skeena, and Tahltan stock groups occurred from late June to early July, while the peak CPUEs for the Alaska I, Alaska II, and Stikine occurred from mid-July to early August. Transboundary stocks comprised a majority of the CPUE throughout the season. The week 26 peak and ensuing decline of the Tahltan stock was offset by a transition in the CPUE to a Stikine stock majority from week 29 to the end of the season.

Thermally marked Tahltan fish contributed 19,671 and marked Tuya fish contributed 436 fish to the District 108 sockeye salmon harvest (Appendix E6). This represented a total of 23% of the harvest in that district.

DISCUSSION

Catches in sub-district 106-30 during 1991–1995 were similar to catches during the previous 5 years. Alaska stocks were the most abundant group during all years except 1995 when there were more Nass and Skeena fish in the harvest. The Stikine River stocks were the least abundant group in all years. Catches in 106-41, however, were a bit different than catches during the previous 5 years. The Alaska stock groups were still the most abundant group. However, the Stikine River stocks contributed a higher portion of the catch than in prior years. The harvest during 1991-1995 ranged from 14,000 to 39,000 Stikine River fish, compared to an average of about 5,000 fish during the prior years. Catches of Nass and Skeena fish ranged from 32,000 to 73,000 compared to an average of 24,000 the prior 5 years. The largest changes in the fisheries occurred in District 108. This area had frequently been closed or very limited effort during the directed sockeye salmon fishing periods from 1986-1990, with total sockeye salmon catches ranging from 1,600 to 11,600 fish. Sockeye salmon harvest during the 1991-1995 period ranged from 18,000 to 97,000. Some of this change was due to better inseason assessment of the Stikine River sockeye salmon run size and part was due to the fleet becoming more familiar with fishing in District 108 after years of limited openings. In addition, the anticipation of large

returns from the fry planting programs initiated during the PSC negotiation process provided an incentive for commercial fishers to test areas which had not been productive in prior years. The catch of 19,671 thermally marked Tahltan fish in 1995 in District 108 provided encouragement that this segment of the Stikine River sockeye salmon run could be targeted directly during the early weeks of the season in this area. Scale pattern analysis had indicated this for the wild Tahltan stock in 1991-1995, however an independent stock identification method was welcome confirmation of the migratory timing and routes of this stock.

REFERENCES CITED

- Agresti, A. 1990. Categorical data analysis. John Wiley and Sons. New York.
- Anas, R.E., and S. Murai. 1969. Use of scale characters and a discriminant function for classifying sockeye salmon (*Oncorhynchus nerka*) by continent of origin. International North Pacific Fisheries Commission, Bulletin 26:157-192.
- Clutter, R., and L. Whitesel. 1956. Collection and interpretation of sockeye salmon scales. Bulletin International Pacific Salmon Fisheries Commission, 9, New Westminster, British Columbia, Canada.
- Cochran, W. 1977. Sampling techniques, 3rd edition. John Wiley & Sons, Inc. New York.
- Conrad, R. 1985. Sample sizes of standards and unknowns for a scale patterns analysis. Alaska Department of Fish and Game, Division of Commercial Fisheries, unpublished memorandum, Anchorage.
- Cook, R.C., and G.E. Lord. 1978. Identification of stocks of Bristol Bay sockeye salmon (*Oncorhynchus nerka*), by evaluating scale patterns with a polynomial discriminant method. Fisheries Bulletin 76(2):415-423.
- Craig, P.C. 1985. Identification of sockeye salmon (*Oncorhynchus nerka*) stocks in the Stikine River based on egg size measurements. Canadian Journal of Fisheries and Aquatic Sciences 42:1696-1701.
- Enslein, K., A. Ralston, and H.S. Wilf. 1977. Statistical methods for digital computers. John Wiley and Sons, Inc. New York.
- Fisher, R.A. 1936. The use of multiple measurements in taxonomic problems. Annual Eugenics 7:179-188.
- Gilbert, E.S. 1969. The effect of unequal variance-covariance matrices on Fisher's linear discriminant function. Biometrics 25(3):505-515.
- Habbema, J.D.F., and J. Hermans. 1977. Selection of variables in discriminant function analysis by F-statistic and error rate. Technometrics 19(4):487-493.
- Hoffman, S.H., L. Talley, and M.C. Seibel. 1983. 1982 U.S./Canada research pink and sockeye salmon tagging, interception rates, migration patterns, run timing, and stock intermingling in southern Southeast Alaska and northern British Columbia. In ADF&G (Alaska Department of Fish and Game) section report in 1982 salmon research conducted in Southeast Alaska by the Alaska Department of Fish and Game with joint U.S.-Canada interception investigations, Division of Commercial Fisheries, Final Report, contract Report No. NASO-82-00134, Douglas.
- Hoffman, S.H., L. Talley, and M.C. Seibel. 1984. 1983 sockeye and chum salmon tagging, national contribution rates, migration patterns, run timing, and stock intermingling research in southern Southeast Alaska and northern British Columbia. In ADF&G (Alaska Department of Fish and Game) Section Report in 1985 Salmon Research Conducted in Southeast Alaska by the Alaska Department of Fish and Game in Conjunction with the National Marine Fisheries Service Auke Bay Laboratory for Joint U.S./Canada Interception Studies, Division of Commercial Fisheries, Final Report, Contract Report WASC 83-ABC-00157, Douglas.
- INPFC (International North Pacific Fisheries Commission). 1963. Annual Report 1961.
- Issacson, S.L. 1954. Problems in classifying populations. Pages 107-117 in O. Kempthorne, T.A. Bancroft, J.W. Gowen, and J.L. Lush, editors. Statistics and mathematics in biology. Iowa State College Press, Ames.
- Jensen, K. 1990. A comparison of stock composition estimators in H.J. Geiger and R.L. Wilbur, ed. Proceedings of the 1990 Stock Separation Workshop. Alaska Department of Fish and Game, Division of Commercial Fisheries, Special Publication No. 2. Juneau, Alaska.
- Jensen, K.A., and I.S. Frank. 1993a. Stock compositions of sockeye salmon catches in Southeast Alaskan Districts 106 and 108 and in the Stikine River, 1988, estimated with scale pattern analysis. Alaska Department of Fish and Game, Division of Commercial Fisheries, Technical Fisheries Report 93-13, Juneau.

References Cited (Continued)

- Jensen, K.A., and I.S. Frank. 1993b. Stock compositions of sockeye salmon catches in Southeast Alaska Districts 106 and 108 gillnet fisheries, 1989, estimated with scale pattern analysis. Alaska Department of Fish and Game, Division of Commercial Fisheries, Technical Fisheries Report 93-14, Juneau.
- Jensen, K.A., and I.S. Frank. 1988. Stock compositions of sockeye salmon catches in Southeast Alaska's Districts 106 and 108 and in the Stikine River, 1987, estimated with scale pattern analysis. Alaska Department of Fish and Game, Division of Commercial Fisheries, Technical Fisheries Report 88-13, Juneau.
- Jensen, K.A., I.S. Frank, and G.T. Oliver. 1989. Contributions of principal sockeye salmon stock groups to catches in Southeast Alaska's Districts 106 and 108 and Canada's Stikine River fisheries, 1986, estimated with scale pattern analysis. Alaska Department of Fish and Game, Division of Commercial Fisheries, Technical Fisheries Report 89-01, Juneau.
- Krzanowski, W.J. 1977. The performance of Fisher's linear discriminant function under non-optimal conditions. *Technometrics* 19(2):191-200.
- Lachenbruch, P.A. 1967. An almost unbiased method of obtaining confidence intervals for the probability of misclassification in discriminant analysis. *Biometrics* 23(4):639-645.
- Lachenbruch, P.A., C. Sneeringer, and L.T. Revo. 1973. Robustness of the linear and quadratic discriminant function to certain types of non-normality. *Communications in Statistics* 1(1):39-56.
- Marshall, S.L., and nine coauthors. 1987. Application of scale pattern analysis to the management of Alaska's sockeye salmon (*Oncorhynchus nerka*) fisheries. Canadian Special Publications in Fisheries and Aquatic Sciences 96:307-326.
- Marshall, S.L., and three coauthors. 1984. The accuracy of scale pattern analysis in separating major stocks of sockeye salmon (*Oncorhynchus nerka*) from southern Southeastern Alaska and Northern British Columbia. Alaska Department of Fish and Game, Division of Commercial Fisheries, Informational Leaflet 230, Juneau.
- McGregor, A.J. 1983. Age, sex, and size of sockeye salmon (*Oncorhynchus nerka* Walbaum) catches and escapements in Southeastern Alaska in 1982. Alaska Department of Fish and Game, Division of Commercial Fisheries, Technical Data Report 100, Juneau.
- McGregor, A.J., and S.A. McPherson, 1986. Abundance, age, sex, and size of sockeye salmon (*Oncorhynchus nerka* Walbaum) catches and escapements in Southeastern Alaska in 1984. Alaska Department of Fish and Game, Division of Commercial Fisheries, Technical Data Report 166, Juneau.
- McGregor, A.J., S.A. McPherson, and J.E. Clark. 1984. Abundance, age, sex, and size of sockeye salmon (*Oncorhynchus nerka* Walbaum) catches and escapements in Southeastern Alaska in 1983. Alaska Department of Fish and Game, Division of Commercial Fisheries, Technical Data Report 132, Juneau.
- McPherson, S.A., and A.J. McGregor. 1986. Abundance, age, sex, and size of sockeye salmon (*Oncorhynchus nerka* Walbaum) catches and escapements in Southeastern Alaska in 1985. Alaska Department of Fish and Game, Division of Commercial Fisheries, Technical Data Report 188, Juneau.
- McPherson, S.A., A.J. McGregor, and F.A. Bergander. 1988. Abundance, age, sex, and size of sockeye salmon catches and escapements in Southeast Alaska in 1986. Alaska Department of Fish and Game, Division of Commercial Fisheries, Technical Fishery Report 88-08, Juneau.
- McPherson, S.A., A.J. McGregor, and M.A. Olsen. 1988. Abundance, age, sex, and size of sockeye salmon catches and escapements in Southeast Alaska in 1987. Alaska Department of Fish and Game, Division of Commercial Fisheries, Technical Fishery Report 88-12, Juneau.
- Moser, K.H. 1968. Photographic atlas of sockeye salmon scales. *Fishery Bulletin* 67(2):243-279.
- Narver, D.W. 1963. Identification of adult red salmon groups by lacustrine scale measurement, time of entry, and spawning characteristics. Master's Thesis, University of Washington, Seattle.

References Cited (Continued)

- NBTC (Northern Boundary Technical Committee). 1993. U.S./Canada Northern Boundary Area 1993 salmon fisheries management report and 1994 preliminary expectations. Pacific Salmon Commission Report TCNB (93)-2, Vancouver, British Columbia, Canada.
- Oliver, G.T., and four coauthors. 1984. Estimated contribution from Alaska and Canada stocks to the catches of sockeye salmon in southern Southeast Alaska, 1982 and 1983, based on scale pattern analysis. Alaska Department of Fish and Game, Division of Commercial Fisheries, Technical Data Report 137, Juneau.
- Oliver, G.T., and K.A. Jensen. 1986. Estimated contribution of Alaskan, Canadian, and Transboundary stocks to the catches of sockeye salmon in southern Southeast Alaska, 1985, based on analysis of scale patterns. *In* ADF&G (Alaska Department of Fish and Game) Section Report in 1985 Salmon Research Conducted in Southeast Alaska by the Alaska Department of Fish and Game in Conjunction with the National Marine Fisheries Service Auke Bay Laboratory for Joint U.S./Canada Interception Studies, Division of Commercial Fisheries, Final Report, Contract Report 85-ABC-00142, Douglas.
- Oliver, G.T., and S.L. Walls. 1985. Estimated contribution from Alaska and Canada stocks to the catches of sockeye salmon in southern Southeast Alaska, 1984, based on the analysis of scale patterns. *In* ADF&G (Alaska Department of Fish and Game) Section Report in 1984 Salmon Research Conducted in Southeast Alaska by the Alaska Department of Fish and Game in conjunction with National Marine Fisheries Service Auke Bay Laboratory for Joint U.S.-Canada Interception Studies. Alaska Department of Fish and Game, Division of Commercial Fisheries, Final Report, Contract Report WASC-84-00179, Douglas.
- Pahlke, K. 1988. Sex verification study results. Alaska Department of fish and Game, Division of Commercial Fisheries, unpublished memorandum to Southeast Region Salmon Staff, Douglas.
- Pella, J., and T. Robertson. 1979. Assessment of composition of stock mixtures. *Fishery Bulletin* 77:378-389.
- Rowse, M., and S.A. McPherson. 1992. Data: Abundance, age, sex, and size of sockeye salmon catches and escapements in Southeast Alaska in 1990. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 1J92-15, Douglas, Alaska.
- Ryan, P., and M. Christie. 1976. Scale reading equipment. Fisheries and Marine Service, Canada, Technical Report PAC/T-75-8. Nanaimo, British Columbia, Canada.
- Sokal, R.R., and F.J. Rohlf. 1981. *Biometry*. W.H. Freeman and Company, New York.
- Thompson, S.K. 2002. *Sampling*, 2nd Edition. John Wiley & Sons, Inc., New York.
- Thompson, S.K. 1987. *American Statistician* 41:42-46.
- TTC (Transboundary Technical Committee). 1990. Salmon management plan for the Stikine, Taku, and Alek Rivers, 1990. Pacific Salmon Commission Report TCTR (90)-2, Vancouver, British Columbia, Canada.
- TTC (Transboundary Technical Committee). 1992. Transboundary river salmon production, harvest, and escapement estimates, 1990. Pacific Salmon Commission Report TCTR (92)-1, Vancouver, British Columbia, Canada.
- Van Alen, B.W. 1990. Subsampling for mean length *in* H.J. Geiger and R.L. Wilbur, ed. *Proceedings of the 1990 Stock Separation Workshop*. Alaska Department of Fish and Game, Division of Commercial Fisheries, Special Publication No. 2. Juneau, Alaska.
- Zar, J.H. 1984. *Biostatistical Analysis*, 2nd Edition. Prentice-Hall, Inc., Englewood Cliffs, New Jersey.

APPENDIX A. AGE COMPOSITION

Appendix A1.—Age composition of sockeye salmon in the District 106-30 gill net catch, 1991.

	Brood Year and Age Class									Total
	1988 0.2	1988 1.1	1987 0.3	1987 1.2	1986 1.3	1986 2.2	1985 1.4	1985 2.3	1984 2.4	
Statistical Week 25 (June 16–22)										
Sample Size		3	11		159	1	2	4		180
Percent		1.7	6.1		88.3	0.6	1.1	2.2		100.0
Std. Error		0.7	1.3		1.7	0.4	0.6	0.8		
Catch		6	22		317	2	4	8		359
Statistical Week 26 (June 23–29)										
Sample Size		3	17		132	2		2		156
Percent		1.9	10.9		84.6	1.3		1.3		100.0
Std. Error		1.0	2.4		2.7	0.9		0.9		
Catch		6	159		1,234	19		19		1,459
Statistical Week 27 (June 30–July 6)										
Sample Size		13	52		470	15	2	24	1	577
Percent		2.3	9.0		81.5	2.6	0.3	4.2	0.2	100.0
Std. Error		0.6	1.1		1.5	0.6	0.2	0.8	0.2	
Catch		141	564		5,097	163	22	260	11	6,258
Statistical Week 28 (July 7–13)										
Sample Size	2	10	39		244	11		14		320
Percent	0.6	3.1	12.2		76.3	3.4		4.4		100.0
Std. Error	0.4	0.9	1.7		2.3	1.0		1.1		
Catch	22	109	425		2,657	120		153		3,486
Statistical Week 29 (July 14–20)										
Sample Size	2	36	31	1	308	10		18		406
Percent	0.5	8.9	7.6	0.2	75.9	2.5		4.4		100.0
Std. Error	0.3	1.3	1.2	0.2	2.0	0.7		0.9		
Catch	15	256	221	7	2,191	71		128		2,888
Statistical Week 30 (July 21–27)										
Sample Size	2	68	54	1	233	12	4	14		388
Percent	0.5	17.5	13.9	0.3	60.1	3.1	1.0	3.6		100.0
Std. Error	0.3	1.8	1.6	0.2	2.3	0.8	0.5	0.9		
Catch	15	515	409	8	1,762	91	30	106		2,936
Statistical Weeks 31–39 (July 28–September 28)										
Sample Size		7	12		43	9		4		75
Percent		9.3	16.0		57.3	12.0		5.3		100.0
Std. Error		3.2	4.0		5.4	3.5		2.4		
Catch		56	96		345	72		32		601
Combined Periods (Percentages are weighted by period catches)										
Sample Size	6	140	216	2	1,589	60	8	80	1	2,102
Percent	0.3	6.2	10.5	0.1	75.6	3.0	0.3	3.9	0.1	100.0
Std. Error	0.1	0.5	0.7	0.1	0.9	0.4	0.1	0.4	0.1	
Catch	51	1,111	1,896	15	13,603	538	56	706	11	17,987

Appendix A2.—Age composition of sockeye salmon in the District 106-41 gill net catch, 1991.

		Brood Year and Age Class										Total	
		1988 0.2	1988 1.1	1987 0.3	1987 1.2	1986 0.4	1986 1.3	1986 2.2	1985 1.4	1985 2.3	1985 3.2		1984 3.3
Statistical Week	25 (June 16–22)												
Sample Size				6	68		303	27	2	63	1	1	471
Percent				1.3	14.4		64.3	5.7	0.4	13.4	0.2	0.2	100.0
Std. Error				0.5	1.5		2.1	1.0	0.3	1.5	0.2	0.2	
Catch				56	639		2,846	254	19	592	9	9	4,424
Statistical Week	26 (June 23–29)												
Sample Size					49		295	55		49			448
Percent					10.9		65.8	12.3		10.9			100.0
Std. Error					1.5		2.2	1.5		1.5			
Catch					1,453		8,745	1,630		1,453			13,281
Statistical Week	27 (June 30–July 6)												
Sample Size				4	87	1	295	66	1	62	1		517
Percent				0.8	16.8	0.2	57.1	12.8	0.2	12.0	0.2		100.0
Std. Error				0.4	1.6	0.2	2.1	1.4	0.2	1.4	0.2		
Catch				61	1,318	15	4,469	1,000	15	939	15		7,832
Statistical Week	28 (July 7–13)												
Sample Size				3	70		280	45	2	42			442
Percent				0.7	15.8		63.3	10.2	0.5	9.5			100.0
Std. Error				0.4	1.7		2.3	1.4	0.3	1.4			
Catch				103	2,398		9,592	1,542	69	1,439			15,143
Statistical Week	29 (July 14–20)												
Sample Size				4	47		366	31		46			494
Percent				0.8	9.5		74.1	6.3		9.3			100.0
Std. Error				0.4	1.3		1.9	1.1		1.3			
Catch				96	1,133		8,820	747		1,109			11,905
Statistical Week	30 (July 21–27)												
Sample Size			1	2	37		398	41	1	44			524
Percent			0.2	0.4	7.1		76.0	7.8	0.2	8.4			100.0
Std. Error			0.2	0.3	1.1		1.8	1.2	0.2	1.2			
Catch			25	50	917		9,861	1,016	25	1,090			12,984
Statistical Week	31 (July 28–August 3)												
Sample Size		1	1	1	35		370	39	1	44			492
Percent		0.2	0.2	0.2	7.1		75.2	7.9	0.2	8.9			100.0
Std. Error		0.2	0.2	0.2	1.1		1.9	1.2	0.2	1.3			
Catch		20	20	20	716		7,576	798	20	901			10,071
Statistical Week	32 (August 3–10)												
Sample Size				4	27		359	47	1	44			482
Percent				0.8	5.6		74.5	9.8	0.2	9.1			100.0
Std. Error				0.4	1.0		1.9	1.3	0.2	1.2			
Catch				33	224		2,983	390	8	366			4,004
Statistical Week	33 (August 11–17)												
Sample Size				1	44		335	46	1	50	1		478
Percent				0.2	9.2		70.1	9.6	0.2	10.5	0.2		100.0
Std. Error				0.2	1.3		2.0	1.3	0.2	1.3	0.2		
Catch				10	457		3,484	478	10	520	10		4,969
Statistical Weeks	34–41 (August 18–October 12)												
Sample Size					67		427	75		59			628
Percent					10.7		68.0	11.9		9.4			100.0
Std. Error					1.1		1.7	1.2		1.1			
Catch					506		3,224	566		446			4,742
Combined Periods (Percentages are weighted by period catches)													
Sample Size		1	2	25	531	1	3428	472	9	503	3	1	4,976
Percent		<0.1	0.1	0.5	10.9	<0.1	68.9	9.4	0.2	9.9	<0.1	<0.1	100.0
Std. Error		<0.1	<0.1	0.1	0.5	<0.1	0.7	0.5	0.1	0.5	<0.1	<0.1	
Catch		20	45	429	9,761	15	61,600	8,421	166	8,855	34	9	89,355

Appendix A3.—Age composition of sockeye salmon in the District 108 gill net catch, 1991.

	Brood Year and Age Class								Total	
	1988 0.2	1987 0.3	1987 1.2	1986 0.4	1986 1.3	1986 2.2	1985 1.4	1985 2.3		1985 3.2
Statistical Week 25 (June 16–22)										
Sample Size		3	11		159	1	2	4		180
Percent		1.7	6.1		88.3	0.6	1.1	2.2		100.0
Std. Error		0.7	1.3		1.7	0.4	0.6	0.8		
Catch		6	22		317	2	4	8		359
Statistical Week 26 (June 23–29)										
Sample Size		3	17		132	2		2		156
Percent		1.9	10.9		84.6	1.3		1.3		100.0
Std. Error		1.0	2.4		2.7	0.9		0.9		
Catch		6	159		1,234	19		19		1,459
Statistical Week 27 (June 30–July 6)										
Sample Size		13	52		470	15	2	24	1	577
Percent		2.3	9.0		81.5	2.6	0.3	4.2	0.2	100.0
Std. Error		0.6	1.1		1.5	0.6	0.2	0.8	0.2	
Catch		141	564		5,097	163	22	260	11	6,258
Statistical Week 28 (July 7–13)										
Sample Size	2	10	39		244	11		14		320
Percent	0.6	3.1	12.2		76.3	3.4		4.4		100.0
Std. Error	0.4	0.9	1.7		2.3	1.0		1.1		
Catch	22	109	425		2,657	120		153		3,486
Statistical Week 29 (July 14–20)										
Sample Size	2	36	31	1	308	10		18		406
Percent	0.5	8.9	7.6	0.2	75.9	2.5		4.4		100.0
Std. Error	0.3	1.3	1.2	0.2	2.0	0.7		0.9		
Catch	15	256	221	7	2,191	71		128		2,888
Statistical Week 30 (July 21–27)										
Sample Size	2	68	54	1	233	12	4	14		388
Percent	0.5	17.5	13.9	0.3	60.1	3.1	1.0	3.6		100.0
Std. Error	0.3	1.8	1.6	0.2	2.3	0.8	0.5	0.9		
Catch	15	515	409	8	1,762	91	30	106		2,936
Statistical Weeks 31–39 (July 28–September 28)										
Sample Size		7	12		43	9		4		75
Percent		9.3	16.0		57.3	12.0		5.3		100.0
Std. Error		3.2	4.0		5.4	3.5		2.4		
Catch		56	96		345	72		32		601
Combined Periods (Percentages are weighted by period catches)										
Sample Size	6	140	216	2	1,589	60	8	80	1	2,102
Percent	0.3	6.2	10.5	0.1	75.6	3.0	0.3	3.9	0.1	100.0
Std. Error	0.1	0.5	0.7	0.1	0.9	0.4	0.1	0.4	0.1	
Catch	51	1,111	1,896	15	13,603	538	56	706	11	17,987

Appendix A4.—Age composition of sockeye salmon in the District 106-30 gill net catch, 1992.

		Brood Year and Age Class										
		1989	1988	1988	1988	1987	1986	1986	1986	1985	Total	
		0.2	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	
Statistical Week	26 (June 21–27)											
Sample Size		5	17		228	7	1	24	1		283	
Percent		1.8	6.0		80.6	2.5	0.4	8.5	0.4		100.0	
Std. Error		0.7	1.3		2.2	0.8	0.3	1.5	0.3			
Catch		30	103		1,388	43	6	146	6		1,722	
Statistical Week	27 (June 28–July 4)											
Sample Size		4	39		298	31	1	43			416	
Percent		1.0	9.4		71.6	7.5	0.2	10.3			100.0	
Std. Error		0.5	1.4		2.1	1.3	0.2	1.5				
Catch		70	683		5,215	543	18	753			7,282	
Statistical Week	28 (July 5–11)											
Sample Size		6	66		378	38	1	47		1	537	
Percent		1.1	12.3		70.4	7.1	0.2	8.8		0.2	100.0	
Std. Error		0.4	1.4		1.9	1.1	0.2	1.2		0.2		
Catch		145	1,591		9,109	916	24	1,133		24	12,942	
Statistical Week	29 (July 12–18)											
Sample Size		2	30		250	19	3	51			355	
Percent		0.6	8.5		70.4	5.4	0.8	14.4			100.0	
Std. Error		0.4	1.4		2.4	1.2	0.5	1.8				
Catch		39	582		4,849	368	58	989			6,885	
Statistical Week	30 (July 19–25)											
Sample Size		1	4	60	2	409	70	5	80	1	632	
Percent		0.2	0.6	9.5	0.3	64.7	11.1	0.8	12.7	0.2	100.0	
Std. Error		0.2	0.3	1.1	0.2	1.8	1.2	0.3	1.3	0.2		
Catch		17	68	1,026	34	6,992	1,197	85	1,368	17	10,804	
Statistical Week	31 (July 26–August 1)											
Sample Size			71		303	44	4	72			494	
Percent			14.4		61.3	8.9	0.8	14.6			100.0	
Std. Error			1.5		2.1	1.2	0.4	1.5				
Catch			886		3,781	549	50	899			6,165	
Statistical Week	32 (August 2–8)											
Sample Size			107	1	265	59	1	55			488	
Percent			21.9	0.2	54.3	12.1	0.2	11.3			100.0	
Std. Error			1.8	0.2	2.1	1.4	0.2	1.4				
Catch			954	9	2,364	526	9	491			4,353	
Statistical Week	33 (August 9–15)											
Sample Size			120		352	61	1	65			599	
Percent			20.0		58.8	10.2	0.2	10.9			100.0	
Std. Error			1.5		1.8	1.1	0.2	1.1				
Catch			638		1,873	325	5	346			3,187	
Statistical Week	34 (August 16–22)											
Sample Size			71		137	50	1	40			299	
Percent			23.7		45.8	16.7	0.3	13.4			100.0	
Std. Error			2.2		2.5	1.9	0.3	1.7				
Catch			307		594	216	4	173			1,294	
Statistical Weeks	35–39 (August 23–September 26)											
Sample Size			52		127	40		33	1		253	
Percent			20.6		50.2	15.8		13.0	0.4		100.0	
Std. Error			2.4		2.9	2.1		2.0	0.4			
Catch			393		960	302		250	8		1,913	
Combined Periods (Percentages are weighted by period catches)												
Sample Size		1	21	633	3	2,747	419	18	510	3	1	4,356
Percent		<0.1	0.6	12.7	0.1	65.7	8.8	0.5	11.6	0.1	<0.1	100.0
Std. Error		<0.1	0.1	0.5	<0.1	0.8	0.5	0.1	0.5	<0.1	<0.1	
Catch		17	352	7,163	43	37,125	4,985	259	6,548	31	24	56,547

Appendix A5.—Age composition of sockeye salmon in the District 106-41 gill net catch, 1992.

	Brood Year and Age Class											Total	
	1989 0.2	1989 1.1	1988 0.3	1988 1.2	1988 2.1	1987 1.3	1987 2.2	1986 1.4	1986 2.3	1986 3.2	1985 2.4		1985 3.3
Statistical Week 26 (June 21–27)													
Sample Size			1	16		449	15		50				531
Percent			0.2	3.0		84.6	2.8		9.4				100.0
Std. Error			0.2	0.7		1.5	0.7		1.2				
Catch			12	194		5,456	182		607				6,451
Statistical Week 27 (June 28–July 4)													
Sample Size			5	64		346	24	2	26				467
Percent			1.1	13.7		74.1	5.1	0.4	5.6				100.0
Std. Error			0.5	1.6		2.0	1.0	0.3	1.1				
Catch			321	4,108		22,211	1,541	128	1,669				29,978
Statistical Week 28 (July 5–11)													
Sample Size	2		2	63		346	36		54				503
Percent	0.4		0.4	12.5		68.8	7.2		10.7				100.0
Std. Error	0.3		0.3	1.5		2.0	1.1		1.4				
Catch	93		93	2,943		16,163	1,682		2,523				23,497
Statistical Week 29 (July 12–18)													
Sample Size			4	37		365	45	2	71			1	525
Percent			0.8	7.0		69.5	8.6	0.4	13.5			0.2	100.0
Std. Error			0.4	1.1		2.0	1.2	0.3	1.5			0.2	
Catch			201	1,860		18,352	2,263	101	3,570			50	26,397
Statistical Week 30 (July 19–25)													
Sample Size	2		4	65		350	57	1	84	1			564
Percent	0.4		0.7	11.5		62.1	10.1	0.2	14.9	0.2			100.0
Std. Error	0.2		0.3	1.3		2.0	1.3	0.2	1.5	0.2			
Catch	87		174	2,829		15,231	2,481	44	3,656	44			24,546
Statistical Week 31 (July 26–August 1)													
Sample Size			2	66		311	45	2	83	3		1	513
Percent			0.4	12.9		60.6	8.8	0.4	16.2	0.6		0.2	100.0
Std. Error			0.3	1.5		2.1	1.2	0.3	1.6	0.3		0.2	
Catch			77	2,546		11,997	1,736	77	3,202	116		39	19,790
Statistical Week 32 (August 2–8)													
Sample Size			2	77		268	43	4	69				463
Percent			0.4	16.6		57.9	9.3	0.9	14.9				100.0
Std. Error			0.3	1.7		2.2	1.3	0.4	1.6				
Catch			31	1,208		4,206	675	63	1,083				7,266
Statistical Week 33 (August 9–15)													
Sample Size			2	100		289	58	2	60	2			513
Percent			0.4	19.5		56.3	11.3	0.4	11.7	0.4			100.0
Std. Error			0.3	1.6		2.0	1.3	0.3	1.3	0.3			
Catch			15	767		2,220	445	15	460	15			3,937
Statistical Week 34 (August 16–22)													
Sample Size			1	120	1	258	103	3	51		1		538
Percent			0.2	22.3	0.2	48.0	19.1	0.6	9.5		0.2		100.0
Std. Error			0.2	1.5	0.2	1.8	1.4	0.3	1.1		0.2		
Catch			3	418	3	900	358	10	177		3		1,872
Statistical Weeks 35–39 (August 23–September 26)													
Sample Size		1		43	1	325	53	5	61			1	490
Percent		0.2		8.8	0.2	66.3	10.8	1.0	12.4			0.2	100.0
Std. Error		0.2		1.2	0.2	1.9	1.3	0.4	1.4			0.2	
Catch		6		252	6	1,906	311	29	358			6	2,874
Combined Periods (Percentages are weighted by period catches)													
Sample Size	4	1	23	651	2	3,307	479	21	609	6	1	3	5,107
Percent	0.1	<0.1	0.6	11.7	<0.1	67.3	8.0	0.3	11.8	0.1	<0.1	0.1	100.0
Std. Error	0.1	<0.1	0.1	0.5	<0.1	0.8	0.5	0.1	0.5	0.1	<0.1	<0.1	
Catch	180	6	927	17,125	9	98,642	11,674	467	17,305	175	3	95	146,608

Appendix A6.—Age composition of sockeye salmon in the District 108 gill net catch, 1992.

	Brood Year and Age Class									Total
	1989	1988	1988	1987	1987	1987	1986	1986	1985	
	0.2	0.3	1.2	0.4	1.3	2.2	1.4	2.3	2.4	
Statistical Week 26 (June 21–27)										
Sample Size	1	9	2		443	2		17		474
Percent	0.2	1.9	0.4		93.5	0.4		3.6		100.0
Std. Error	0.2	0.6	0.3		1.1	0.3		0.8		
Catch	8	70	15		3,427	15		131		3,666
Statistical Week 27 (June 28–July 4)										
Sample Size		14	11		385	8	1	15		434
Percent		3.2	2.5		88.7	1.8	0.2	3.5		100.0
Std. Error		0.8	0.7		1.5	0.6	0.2	0.9		
Catch		245	193		6,738	140	18	263		7,597
Statistical Week 28 (July 5–11)										
Sample Size	1	46	58		557	12	1	49		724
Percent	0.1	6.4	8.0		76.9	1.7	0.1	6.8		100.0
Std. Error	0.1	0.9	1.0		1.5	0.5	0.1	0.9		
Catch	18	807	1,017		9,770	210	18	859		12,699
Statistical Week 29 (July 12–18)										
Sample Size	1	36	38	1	446	16	2	37		577
Percent	0.2	6.2	6.6	0.2	77.3	2.8	0.3	6.4		100.0
Std. Error	0.2	1.0	1.0	0.2	1.7	0.7	0.2	1.0		
Catch	20	722	762	20	8,942	321	40	742		11,569
Statistical Week 30 (July 19–25)										
Sample Size	6	76	59		497	14	2	31		685
Percent	0.9	11.1	8.6		72.6	2.0	0.3	4.5		100.0
Std. Error	0.3	1.2	1.0		1.6	0.5	0.2	0.8		
Catch	92	1,166	905		7,627	215	31	476		10,512
Statistical Week 31 (July 26–August 1)										
Sample Size	1	38	49		417	12	2	18	1	538
Percent	0.2	7.1	9.1		77.5	2.2	0.4	3.3	0.2	100.0
Std. Error	0.2	1.0	1.2		1.7	0.6	0.2	0.7	0.2	
Catch	8	310	400		3,404	98	16	147	8	4,391
Statistical Week 32 (August 2–8)										
Sample Size		24	19		204	7		14		268
Percent		9.0	7.1		76.1	2.6		5.2		100.0
Std. Error		1.6	1.5		2.4	0.9		1.3		
Catch		166	131		1,410	48		97		1,852
Statistical Weeks 33–39 (August 9–September 26)										
Sample Size		6	30		68	11	1	7		123
Percent		4.9	24.4		55.3	8.9	0.8	5.7		100.0
Std. Error		1.6	3.3		3.8	2.2	0.7	1.8		
Catch		21	105		237	39	4	25		431
Combined Periods (Percentages are weighted by period catches)										
Sample Size	10	249	266	1	3,017	82	9	188	1	3,823
Percent	0.3	6.7	6.7	<0.1	78.8	2.1	0.2	5.2	<0.1	100.0
Std. Error	0.1	0.4	0.4	<0.1	0.7	0.2	0.1	0.4	<0.1	
Catch	146	3,507	3,528	20	41,555	1,086	127	2,740	8	52,717

Appendix A7.—Age composition of sockeye salmon in the District 106-30 gill net catch, 1993.

		Brood Year and Age Class											
		1990	1989	1989	1989	1988	1988	1987	1987	1986	1986	Total	
		0.2	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	
Statistical Week	26 (June 20–26)												
Sample Size				10		35	7	16				68	
Percent				14.7		51.5	10.3	23.5				100.0	
Std. Error				4.1		5.8	3.6	5.0					
Catch				119		418	84	191				812	
Statistical Week	27 (June 27–July 3)												
Sample Size			3	78		175	29	4	63			352	
Percent			0.9	22.2		49.7	8.2	1.1	17.9			100.0	
Std. Error			0.4	1.9		2.3	1.3	0.5	1.8				
Catch			13	328		736	122	17	265			1,481	
Statistical Week	28 (July 4–10)												
Sample Size		1	9	118		227	61	5	102		1	524	
Percent		0.2	1.7	22.5		43.3	11.6	1.0	19.5		0.2	100.0	
Std. Error		0.2	0.5	1.7		2.0	1.3	0.4	1.6		0.2		
Catch		9	81	1,063		2,045	550	45	919		9	4,721	
Statistical Week	29 (July 11–17)												
Sample Size		2	5	169		223	75	1	101			2	
Percent		0.3	0.9	29.2		38.6	13.0	0.2	17.5			0.3	
Std. Error		0.2	0.4	1.8		2.0	1.4	0.2	1.5			0.2	
Catch		31	78	2,651		3,499	1,177	16	1,584			31	
Statistical Week	30 (July 18–24)												
Sample Size			2	104	1	309	63	2	96	2		579	
Percent			0.3	18.0	0.2	53.4	10.9	0.3	16.6	0.3		100.0	
Std. Error			0.2	1.6	0.2	2.0	1.3	0.2	1.5	0.2			
Catch			42	2,172	21	6,453	1,316	42	2,005	42		12,093	
Statistical Week	31 (July 25–31)												
Sample Size			3	78		259	76	7	128			551	
Percent			0.5	14.2		47.0	13.8	1.3	23.2			100.0	
Std. Error			0.3	1.5		2.1	1.4	0.5	1.8				
Catch			82	2,129		7,070	2,075	191	3,494			15,041	
Statistical Week	32 (August 1–7)												
Sample Size			2	86		308	83	5	108			592	
Percent			0.3	14.5		52.0	14.0	0.8	18.2			100.0	
Std. Error			0.2	1.4		2.0	1.4	0.4	1.6				
Catch			47	2,005		7,181	1,935	117	2,518			13,803	
Statistical Week	33 (August 8–14)												
Sample Size			3	70		288	109	3	91			1	
Percent			0.5	12.4		51.0	19.3	0.5	16.1			0.2	
Std. Error			0.3	1.3		2.0	1.6	0.3	1.5			0.2	
Catch			56	1,307		5,378	2,036	56	1,699			19	
Statistical Week	34 (August 15–21)												
Sample Size				23		85	16		32	1		157	
Percent				14.6		54.1	10.2		20.4	0.6		100.0	
Std. Error				2.8		3.9	2.4		3.2	0.6			
Catch				800		2,955	556		1,113	35		5,459	
Statistical Weeks	35–40 (August 23–October 2)												
Sample Size				39		100	36		38			213	
Percent				18.3		46.9	16.9		17.8			100.0	
Std. Error				2.6		3.3	2.5		2.5				
Catch				562		1,440	519		547			3,068	
Combined Periods (Percentages are weighted by period catches)													
Sample Size		3	27	775	1	2,009	555	27	775	3	1	3	4,179
Percent		0.1	0.5	17.3	<0.1	48.9	13.6	0.6	18.8	0.1	<0.1	0.1	100.0
Std. Error		<0.1	0.1	0.6	<0.1	0.8	0.6	0.1	0.6	0.1	<0.1	<0.1	
Catch		40	399	13,136	21	37,175	10,370	484	14,335	77	9	50	76,096

Appendix A8.—Age composition of sockeye salmon in the District 106-41 gill net catch, 1993.

		Brood Year and Age Class											
		1990	1989	1989	1988	1988	1987	1987	1986	1986	1986	Total	
		0.2	0.3	1.2	1.3	2.2	1.4	2.3	3.2	2.4	3.3	4.2	
Statistical Week	26 (June 20–26)												
Sample Size			12	52	280	38	5	110		1	1	499	
Percent			2.4	10.4	56.1	7.6	1.0	22.0		0.2	0.2	100.0	
Std. Error			0.6	1.3	2.0	1.1	0.4	1.7		0.2	0.2		
Catch			76	331	1,786	242	32	701		6	6	3,180	
Statistical Week	27 (June 27–July 3)												
Sample Size			9	103	268	35	6	94			1	516	
Percent			1.7	20.0	51.9	6.8	1.2	18.2			0.2	100.0	
Std. Error			0.6	1.7	2.2	1.1	0.5	1.7			0.2		
Catch			220	2,518	6,551	856	147	2,298			24	12,614	
Statistical Week	28 (July 4–10)												
Sample Size		1	1	117	197	46	2	63	2		1	430	
Percent		0.2	0.2	27.2	45.8	10.7	0.5	14.7	0.5		0.2	100.0	
Std. Error		0.2	0.2	2.1	2.4	1.5	0.3	1.7	0.3		0.2		
Catch		31	31	3,584	6,034	1,409	61	1,930	61		31	13,172	
Statistical Week	29 (July 11–17)												
Sample Size		1	3	95	215	45	2	66				427	
Percent		0.2	0.7	22.2	50.4	10.5	0.5	15.5				100.0	
Std. Error		0.2	0.4	2.0	2.4	1.5	0.3	1.7					
Catch		41	123	3,904	8,838	1,849	82	2,712				17,549	
Statistical Week	30 (July 18–24)												
Sample Size			3	86	272	43	3	95	1	1		504	
Percent			0.6	17.1	54.0	8.5	0.6	18.8	0.2	0.2		100.0	
Std. Error			0.3	1.6	2.2	1.2	0.3	1.7	0.2	0.2			
Catch			83	2,380	7,526	1,190	83	2,629	28	28		13,947	
Statistical Week	31 (July 25–31)												
Sample Size			7	94	268	67	3	99				538	
Percent			1.3	17.5	49.8	12.5	0.6	18.4				100.0	
Std. Error			0.5	1.6	2.1	1.4	0.3	1.7					
Catch			302	4,059	11,573	2,893	130	4,275				23,232	
Statistical Week	32 (August 1–7)												
Sample Size			4	84	316	89	1	101			1	596	
Percent			0.7	14.1	53.0	14.9	0.2	16.9			0.2	100.0	
Std. Error			0.3	1.4	2.0	1.4	0.2	1.5			0.2		
Catch			139	2,926	11,008	3,101	35	3,519			35	20,763	
Statistical Week	33 (August 8–14)												
Sample Size			5	76	325	109	3	78				596	
Percent			0.8	12.8	54.5	18.3	0.5	13.1				100.0	
Std. Error			0.4	1.3	2.0	1.5	0.3	1.3					
Catch			101	1,538	6,577	2,206	61	1,578				12,061	
Statistical Week	34 (August 15–21)												
Sample Size			1	112	295	112	2	101	1		1	625	
Percent			0.2	17.9	47.2	17.9	0.3	16.2	0.2		0.2	100.0	
Std. Error			0.2	1.5	1.9	1.5	0.2	1.4	0.2		0.2		
Catch			14	1,562	4,116	1,562	28	1,409	14		14	8,719	
Statistical Weeks	35–40 (August 23–October 2)												
Sample Size			1	95	215	77	1	86				475	
Percent			0.2	20.0	45.3	16.2	0.2	18.1				100.0	
Std. Error			0.2	1.7	2.2	1.6	0.2	1.7					
Catch			10	924	2,092	749	10	837				4,622	
Combined Periods (Percentages are weighted by period catches)													
Sample Size		2	46	914	2,651	661	28	893	4	2	4	1	5,206
Percent		0.1	0.8	18.3	50.9	12.4	0.5	16.9	0.1	<0.1	0.1	<0.1	100.0
Std. Error		<0.1	0.1	0.6	0.8	0.5	0.1	0.6	<0.1	<0.1	<0.1	<0.1	
Catch		72	1,099	23,726	66,101	16,057	669	21,888	103	34	75	35	129,859

Appendix A9.—Age composition of sockeye salmon in the District 108 gill net catch, 1993.

		Brood Year and Age Class											
		1990	1989	1989	1988	1988	1987	1987	1987	1986	1986		
		0.2	0.3	1.2	0.4	1.3	2.2	1.4	2.3	3.2	2.4	3.3	Total
Statistical Week	26 (June 20–26)												
Sample Size		26	29		254	15	6	67	1	1	1		400
Percent		6.5	7.3		63.5	3.8	1.5	16.8	0.3	0.3	0.3		100.0
Std. Error		1.1	1.2		2.2	0.9	0.6	1.7	0.2	0.2	0.2		
Catch		151	168		1,470	87	35	388	6	6	6		2,317
Statistical Week	27 (June 27–July 3)												
Sample Size		32	91		230	19	3	66					441
Percent		7.3	20.6		52.2	4.3	0.7	15.0					100.0
Std. Error		1.2	1.9		2.3	0.9	0.4	1.7					
Catch		834	2,373		5,999	495	78	1,721					11,500
Statistical Week	28 (July 4–10)												
Sample Size		51	144		227	23	2	43				1	491
Percent		10.4	29.3		46.2	4.7	0.4	8.8				0.2	100.0
Std. Error		1.4	2.0		2.2	0.9	0.3	1.3				0.2	
Catch		2,019	5,701		8,987	911	79	1,702				40	19,439
Statistical Week	29 (July 11–17)												
Sample Size		52	95		198	19	1	52					417
Percent		12.5	22.8		47.5	4.6	0.2	12.5					100.0
Std. Error		1.6	2.0		2.4	1.0	0.2	1.6					
Catch		2,510	4,586		9,561	917	48	2,510					20,132
Statistical Week	30 (July 18–24)												
Sample Size		1	92	87	1	299	31	1	55				567
Percent		0.2	16.2	15.3	0.2	52.7	5.5	0.2	9.7				100.0
Std. Error		0.2	1.5	1.5	0.2	2.0	0.9	0.2	1.2				
Catch		21	1,909	1,805	21	6,204	643	21	1,141				11,765
Statistical Week	31 (July 25–31)												
Sample Size		62	59		256	21	3	37					438
Percent		14.2	13.5		58.4	4.8	0.7	8.4					100.0
Std. Error		1.6	1.6		2.3	1.0	0.4	1.3					
Catch		962	916		3,972	326	47	574					6,797
Statistical Week	32 (August 1–7)												
Sample Size		38	38		254	40	2	23	1				396
Percent		9.6	9.6		64.1	10.1	0.5	5.8	0.3				100.0
Std. Error		1.4	1.4		2.3	1.4	0.3	1.1	0.2				
Catch		303	303		2,022	319	16	183	8				3,154
Statistical Week	33 (August 8–14)												
Sample Size		12	4		58	3	1	5					83
Percent		14.5	4.8		69.9	3.6	1.2	6.0					100.0
Std. Error		3.7	2.3		4.8	2.0	1.2	2.5					
Catch		138	46		667	35	12	58					956
Statistical Weeks	34–40 (August 15–October 2)												
Sample Size		15	28		85	22	1	9					160
Percent		9.4	17.5		53.1	13.8	0.6	5.6					100.0
Std. Error		2.1	2.7		3.5	2.4	0.6	1.6					
Catch		76	142		433	112	5	46					814
Combined Periods (Percentages are weighted by period catches)													
Sample Size		1	380	575	1	1,861	193	20	357	2	1	2	3,393
Percent		<0.1	11.6	20.9	<0.1	51.1	5.0	0.4	10.8	<0.1	<0.1	0.1	100.0
Std. Error		<0.1	0.6	0.8	<0.1	1.0	0.4	0.1	0.6	<0.1	<0.1	0.1	
Catch		21	8,902	16,040	21	39,315	3,845	341	8,323	14	6	46	76,874

Appendix A10.—Age composition of sockeye salmon in the District 106-30 gill net catch, 1994.

		Brood Year and Age Class											Total	
		1991	1990	1990	1990	1989	1989	1988	1988	1988	1987	1987		
		0.2	0.3	1.2	2.1	0.4	1.3	2.2	1.4	2.3	3.2	2.4		3.3
Statistical Week	26 (June 19–25)													
Sample Size		23	26			361		16	2	27			1	456
Percent		5.0	5.7			79.2		3.5	0.4	5.9			0.2	100.0
Std. Error		0.8	0.9			1.5		0.7	0.3	0.9			0.2	
Catch		67	76			1,053		47	6	79			3	1,331
Statistical Week	27 (June 26–July 2)													
Sample Size		17	16			1	346	18		43			1	442
Percent		3.8	3.6			0.2	78.3	4.1		9.7			0.2	100.0
Std. Error		0.8	0.8			0.2	1.8	0.8		1.3			0.2	
Catch		83	78			5	1,688	88		210			5	2,157
Statistical Week	28 (July 3–9)													
Sample Size		9	13				136	12	1	21	1			193
Percent		4.7	6.7				70.5	6.2	0.5	10.9	0.5			100.0
Std. Error		1.5	1.8				3.2	1.7	0.5	2.2	0.5			
Catch		186	269				2,811	248	21	434	21			3,990
Statistical Week	29 (July 10–16)													
Sample Size		8	11				356	31	3	54				463
Percent		1.7	2.4				76.9	6.7	0.6	11.7				100.0
Std. Error		0.6	0.7				1.9	1.1	0.4	1.4				
Catch		104	143				4,638	404	39	703				6,031
Statistical Week	30 (July 17–23)													
Sample Size		4	12				271	9		48				344
Percent		1.2	3.5				78.8	2.6		14.0				100.0
Std. Error		0.6	1.0				2.2	0.8		1.8				
Catch		81	242				5,462	181		968				6,934
Statistical Week	31 (July 24–30)													
Sample Size		2	51	1			346	36	2	78		1		517
Percent		0.4	9.9	0.2			66.9	7.0	0.4	15.1		0.2		100.0
Std. Error		0.3	1.3	0.2			2.0	1.1	0.3	1.5		0.2		
Catch		57	1,450	28			9,842	1,024	57	2,218		28		14,704
Statistical Week	32 (July 31–August 6)													
Sample Size		2	2	24			328	19	2	56		2		435
Percent		0.5	0.5	5.5			75.4	4.4	0.5	12.9		0.5		100.0
Std. Error		0.3	0.3	1.1			2.0	1.0	0.3	1.6		0.3		
Catch		45	45	536			7,331	425	45	1,252		45		9,724
Statistical Week	33 (August 7–13)													
Sample Size			37				342	34	2	80		2		497
Percent			7.4				68.8	6.8	0.4	16.1		0.4		100.0
Std. Error			1.1				1.9	1.0	0.3	1.5		0.3		
Catch			252				2,326	231	14	544		14		3,381
Statistical Weeks	34–40 (August 14–October 1)													
Sample Size		1	27				282	42	2	69			1	424
Percent		0.2	6.4				66.5	9.9	0.5	16.3			0.2	100.0
Std. Error		0.2	1.1				2.2	1.4	0.3	1.7			0.2	
Catch		12	336				3,505	522	25	858			12	5,270
Combined Periods (Percentages are weighted by period catches)														
Sample Size		2	66	217	1	1	2,768	217	14	476	1	5	3	3,771
Percent		0.1	1.2	6.3	0.1	<0.1	72.2	5.9	0.4	13.6	<0.1	0.2	<0.1	100.0
Std. Error		0.1	0.2	0.5	0.1	<0.1	0.8	0.4	0.1	0.6	<0.1	0.1	<0.1	
Catch		45	635	3,382	28	5	38,656	3,170	207	7,266	21	87	20	53,522

Appendix A11.—Age composition of sockeye salmon in the District 106-41 gill net catch, 1994.

		Brood Year and Age Class												
		1991	1991	1990	1990	1989	1989	1988	1988	1988	1987	1987	1987	Total
		0.2	1.1	0.3	1.2	1.3	2.2	1.4	2.3	3.2	1.5	2.4	3.3	
Statistical Week	26 (June 19–25)													
Sample Size				6	3	166	5		16					196
Percent				3.1	1.5	84.7	2.6		8.2					100.0
Std. Error				1.2	0.9	2.5	1.1		1.9					
Catch				116	58	3,213	97		310					3,794
Statistical Week	27 (June 26–July 2)													
Sample Size				10	23	323	13		35					404
Percent				2.5	5.7	80.0	3.2		8.7					100.0
Std. Error				0.8	1.1	2.0	0.9		1.4					
Catch				302	694	9,748	392		1,056					12,192
Statistical Week	28 (July 3–9)													
Sample Size				12	25	390	24		42				1	494
Percent				2.4	5.1	78.9	4.9		8.5				0.2	100.0
Std. Error				0.7	1.0	1.8	1.0		1.2				0.2	
Catch				465	969	15,119	930		1,628				39	19,150
Statistical Week	29 (July 10–16)													
Sample Size		1		5	24	423	24		42					519
Percent		0.2		1.0	4.6	81.5	4.6		8.1					100.0
Std. Error		0.2		0.4	0.9	1.7	0.9		1.2					
Catch		52		258	1,237	21,797	1,237		2,164					26,745
Statistical Week	30 (July 17–23)													
Sample Size				5	15	401	24	1	41	4				491
Percent				1.0	3.1	81.7	4.9	0.2	8.4	0.8				100.0
Std. Error				0.4	0.8	1.7	1.0	0.2	1.2	0.4				
Catch				314	941	25,154	1,505	63	2,572	251				30,800
Statistical Week	31 (July 24–30)													
Sample Size		1		1	51	357	43	2	57	2	1			515
Percent		0.2		0.2	9.9	69.3	8.3	0.4	11.1	0.4	0.2			100.0
Std. Error		0.2		0.2	1.3	2.0	1.2	0.3	1.4	0.3	0.2			
Catch		58		58	2,946	20,619	2,484	116	3,292	116	58			29,747
Statistical Week	32 (July 31–August 6)													
Sample Size				1	1	44	367	34	1	87	2			537
Percent				0.2	0.2	8.2	68.3	6.3	0.2	16.2	0.4			100.0
Std. Error				0.2	0.2	1.2	2.0	1.0	0.2	1.6	0.3			
Catch				26	26	1,127	9,400	871	26	2,228	51			13,755
Statistical Week	33 (August 7–13)													
Sample Size		1			47	368	26		65	1				508
Percent		0.2			9.3	72.4	5.1		12.8	0.2				100.0
Std. Error		0.2			1.3	1.9	1.0		1.4	0.2				
Catch		22			1,039	8,135	575		1,437	22				11,230
Statistical Weeks	34–41 (August 14–October 8)													
Sample Size					59	389	64	3	75			2		592
Percent					10.0	65.7	10.8	0.5	12.7			0.3		100.0
Std. Error					1.2	1.9	1.2	0.3	1.3			0.2		
Catch					1,008	6,646	1,093	51	1,281			34		10,113
Combined Periods (Percentages are weighted by period catches)														
Sample Size		3	1	40	291	3,184	257	7	460	9	1	2	1	4,256
Percent		0.1	<0.1	1.0	6.4	76.1	5.8	0.2	10.1	0.3	<0.1	<0.1	<0.1	100.0
Std. Error		0.1	<0.1	0.2	0.4	0.7	0.4	0.1	0.5	0.1	<0.1	<0.1	<0.1	
Catch		132	26	1,539	10,019	119,831	9,184	256	15,968	440	58	34	39	157,526

Appendix A12.—Age composition of sockeye salmon in the District 106-41 test gill net catch, 1994.

	Brood Year and Age Class		Total
	1989	1988	
	1.3	2.3	
Statistical Week 25 (June 12–18)			
Sample Size	7	4	11
Percent	63.6	36.4	100.0
Std. Error	4.4	4.4	
Catch	8	4	12

Appendix A13.—Age composition of sockeye salmon in the District 108 gill net catch, 1994.

	Brood Year and Age Class									Total
	1990 0.3	1990 1.2	1989 0.4	1989 1.3	1989 2.2	1988 1.4	1988 2.3	1987 2.4	1987 3.3	
Statistical Week 25 (June 12–18)										
Sample Size	1	2		46			6	1		56
Percent	1.8	3.6		82.1			10.7	1.8		100.0
Std. Error	1.1	1.5		3.1			2.5	1.1		
Catch	2	3		72			10	2		89
Statistical Week 26 (June 19–25)										
Sample Size	3	4	1	208	1		13			230
Percent	1.3	1.7	0.4	90.4	0.4		5.7			100.0
Std. Error	0.7	0.8	0.4	1.8	0.4		1.4			
Catch	26	35	9	1,829	9		114			2,022
Statistical Week 27 (June 26–July 2)										
Sample Size	15	16	1	441	2		25			500
Percent	3.0	3.2	0.2	88.2	0.4		5.0			100.0
Std. Error	0.7	0.8	0.2	1.4	0.3		1.0			
Catch	366	390	24	10,754	49		610			12,193
Statistical Week 28 (July 3–9)										
Sample Size	6	17		420	3	1	23			470
Percent	1.3	3.6		89.4	0.6	0.2	4.9			100.0
Std. Error	0.5	0.9		1.4	0.4	0.2	1.0			
Catch	335	950		23,481	168	56	1,286			26,276
Statistical Week 29 (July 10–16)										
Sample Size	4	19		453	5	1	14		1	497
Percent	0.8	3.8		91.1	1.0	0.2	2.8		0.2	100.0
Std. Error	0.4	0.9		1.3	0.4	0.2	0.7		0.2	
Catch	208	988		23,566	260	52	728		52	25,854
Statistical Week 30 (July 17–23)										
Sample Size	14	25		442	7	2	31			521
Percent	2.7	4.8		84.8	1.3	0.4	6.0			100.0
Std. Error	0.7	0.9		1.5	0.5	0.3	1.0			
Catch	483	862		15,247	241	69	1,069			17,971
Statistical Week 31 (July 24–30)										
Sample Size	18	13		434	5	2	24			496
Percent	3.6	2.6		87.5	1.0	0.4	4.8			100.0
Std. Error	0.8	0.7		1.4	0.4	0.3	0.9			
Catch	266	192		6,410	74	30	355			7,327
Statistical Week 32 (July 31–August 6)										
Sample Size	4	13	1	231	1		17			267
Percent	1.5	4.9	0.4	86.5	0.4		6.4			100.0
Std. Error	0.7	1.3	0.4	2.0	0.4		1.4			
Catch	41	134	10	2,376	10		175			2,746
Statistical Week 33 (August 7–13)										
Sample Size	3	16		235	8		26			288
Percent	1.0	5.6		81.6	2.8		9.0			100.0
Std. Error	0.5	1.2		2.0	0.9		1.5			
Catch	14	75		1,096	37		121			1,343
Statistical Weeks 34–40 (August 14–October 1)										
Sample Size	1	12		128	17		32			190
Percent	0.5	6.3		67.4	8.9		16.8			100.0
Std. Error	0.5	1.6		3.2	1.9		2.5			
Catch	7	89		945	126		236			1,403
Combined Periods (Percentages are weighted by period catches)										
Sample Size	69	137	3	3,038	49	6	211	1	1	3,515
Percent	1.8	3.8	<0.1	88.2	1.0	0.2	4.8	<0.1	0.1	100.0
Std. Error	0.2	0.4	<0.1	0.6	0.2	0.1	0.4	<0.1	0.1	
Catch	1,748	3,718	43	85,776	974	207	4,704	2	52	97,224

Appendix A14.—Age composition of sockeye salmon in the District 106-30 gill net catch, 1995.

	Brood Year and Age Class											Total
	1992	1991	1991	1991	1990	1990	1989	1989	1988	1988		
	0.2	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	2.4	3.3	
Statistical Week 25–26 (June 18–July 1)												
Sample Size		6	61		165	14	1	41				288
Percent		2.1	21.2		57.3	4.9	0.3	14.2				100.0
Std. Error		0.7	2.1		2.6	1.1	0.3	1.8				
Catch		28	287		778	66	5	193				1,357
Statistical Week 27 (July 2–8)												
Sample Size		7	141		252	39		49			1	489
Percent		1.4	28.8		51.5	8.0		10.0			0.2	100.0
Std. Error		0.5	2.0		2.2	1.2		1.3			0.2	
Catch		85	1,709		3,054	473		594			12	5,927
Statistical Week 28 (July 9–15)												
Sample Size		11	54		165	28	1	41				300
Percent		3.7	18.0		55.0	9.3	0.3	13.7				100.0
Std. Error		1.1	2.2		2.8	1.6	0.3	1.9				
Catch		198	973		2,972	504	18	739				5,404
Statistical Week 29 (July 16–22)												
Sample Size		1	37	57	295	33	2	60			3	488
Percent		0.2	7.6	11.7	60.5	6.8	0.4	12.3			0.6	100.0
Std. Error		0.2	1.2	1.4	2.1	1.1	0.3	1.4			0.3	
Catch		12	462	712	3,687	412	25	750			37	6,097
Statistical Week 30 (July 23–29)												
Sample Size		29	93	1	369	43	2	64				601
Percent		4.8	15.5	0.2	61.4	7.2	0.3	10.6				100.0
Std. Error		0.9	1.4	0.2	1.9	1.0	0.2	1.2				
Catch		534	1,712	18	6,795	792	37	1,178				11,066
Statistical Week 31 (July 30–August 5)												
Sample Size		2	38	122	332	53	3	42		1		593
Percent		0.3	6.4	20.6	56.0	8.9	0.5	7.1		0.2		100.0
Std. Error		0.2	1.0	1.6	2.0	1.1	0.3	1.0		0.2		
Catch		42	795	2,551	6,942	1,108	63	878		21		12,400
Statistical Week 32 (August 6–12)												
Sample Size		1	13	112	1	303	50	1	43		1	525
Percent		0.2	2.5	21.3	0.2	57.7	9.5	0.2	8.2		0.2	100.0
Std. Error		0.2	0.7	1.7	0.2	2.1	1.3	0.2	1.2		0.2	
Catch		22	285	2,453	22	6,636	1,095	22	942		22	11,499
Statistical Week 33 (August 13–19)												
Sample Size		14	85	1	330	51	1	40	1			523
Percent		2.7	16.3	0.2	63.1	9.8	0.2	7.6	0.2			100.0
Std. Error		0.7	1.6	0.2	2.1	1.3	0.2	1.1	0.2			
Catch		322	1,955	23	7,588	1,173	23	920	23			12,027
Statistical Weeks 34–39 (August 20–Sept. 30)												
Sample Size		15	82		352	27	1	29				506
Percent		3.0	16.2		69.6	5.3	0.2	5.7				100.0
Std. Error		0.7	1.6		2.0	1.0	0.2	1.0				
Catch		231	1,265		5,433	417	15	447				7,808
Combined Periods (Percentages are weighted by period catches)												
Sample Size	4	170	807	3	2,563	338	12	409	1	1	5	4313
Percent	0.1	4.0	18.5	0.1	59.6	8.2	0.3	9.0	<0.1	<0.1	0.1	100.0
Std. Error	0.1	0.3	0.6	<0.1	0.8	0.4	0.1	0.4	<0.1	<0.1	<0.1	
Catch	76	2,940	13,617	63	43,885	6,040	208	6,641	23	21	71	73,585

Appendix A15.—Age composition of sockeye salmon in the District 106-41 gill net catch, 1995.

		Brood Year and Age Class											
		1992	1992	1991	1991	1991	1990	1990	1989	1989	1989	1988	Total
		0.2	1.1	0.3	1.2	2.1	1.3	2.2	1.4	2.3	3.2	3.3	
Statistical Week	25 (June 18–24)												
Sample Size				6	57		380	19	1	45			508
Percent				1.2	11.2		74.8	3.7	0.2	8.9			100.0
Std. Error				0.5	1.3		1.8	0.8	0.2	1.2			
Catch				75	714		4,756	238	13	563			6,359
Statistical Week	26 (June 25–July 1)												
Sample Size	1			3	57		255	15		40			371
Percent	0.3			0.8	15.4		68.7	4.0		10.8			100.0
Std. Error	0.3			0.5	1.8		2.4	1.0		1.6			
Catch	30			91	1,726		7,720	454		1,211			11,232
Statistical Week	27 (July 2–8)												
Sample Size	1			5	80		248	32	1	47			414
Percent	0.2			1.2	19.3		59.9	7.7	0.2	11.4			100.0
Std. Error	0.2			0.5	1.9		2.3	1.3	0.2	1.5			
Catch	20			99	1,581		4,902	633	20	929			8,184
Statistical Week	28 (July 9–15)												
Sample Size	2	1		12	110		343	36		38			542
Percent	0.4	0.2		2.2	20.3		63.3	6.6		7.0			100.0
Std. Error	0.3	0.2		0.6	1.7		2.0	1.1		1.1			
Catch	64	32		382	3,501		10,914	1,146		1,209			17,248
Statistical Week	29 (July 16–22)												
Sample Size				20	88		373	49	4	63			597
Percent				3.4	14.7		62.5	8.2	0.7	10.6			100.0
Std. Error				0.7	1.4		1.9	1.1	0.3	1.2			
Catch				406	1,785		7,564	994	81	1,278			12,108
Statistical Week	30 (July 23–29)												
Sample Size	1			18	69		360	52	2	57	1	1	561
Percent	0.2			3.2	12.3		64.2	9.3	0.4	10.2	0.2	0.2	100.0
Std. Error	0.2			0.7	1.4		2.0	1.2	0.2	1.3	0.2	0.2	
Catch	51			917	3,513		18,330	2,648	102	2,902	51	51	28,565
Statistical Week	31 (July 30–August 5)												
Sample Size	1			16	101		288	50	1	46			503
Percent	0.2			3.2	20.1		57.3	9.9	0.2	9.1			100.0
Std. Error	0.2			0.8	1.8		2.2	1.3	0.2	1.3			
Catch	31			497	3,138		8,950	1,554	31	1,429			15,630
Statistical Week	32 (August 6–12)												
Sample Size				8	97	2	338	50		42			537
Percent				1.5	18.1	0.4	62.9	9.3		7.8			100.0
Std. Error				0.5	1.6	0.3	2.0	1.2		1.1			
Catch				199	2,414	50	8,411	1,244		1,045			13,363
Statistical Week	33 (August 13–19)												
Sample Size	1			9	116		346	56		31		2	561
Percent	0.2			1.6	20.7		61.7	10.0		5.5		0.4	100.0
Std. Error	0.2			0.5	1.7		2.0	1.2		0.9		0.2	
Catch	21			189	2,433		7,258	1,175		650		42	11,768
Statistical Weeks	34–38 (August 20–Sept. 23)												
Sample Size				8	73		370	37		36		1	525
Percent				1.5	13.9		70.5	7.0		6.9		0.2	100.0
Std. Error				0.5	1.5		1.9	1.1		1.1		0.2	
Catch				135	1,231		6,238	624		607		17	8,852
Combined Periods (Percentages are weighted by period catches)													
Sample Size	7	1	105	848	2	3,301	396	9	445	1	4		5,119
Percent	0.2	<0.1	2.2	16.5	<0.1	63.8	8.0	0.2	8.9	<0.1	0.1		100.0
Std. Error	0.1	<0.1	0.2	0.5	<0.1	0.7	0.4	0.1	0.4	<0.1	<0.1		
Catch	217	32	2,990	22,036	50	85,043	10,710	247	11,823	51	110		133,309

Appendix A16.—Age composition of sockeye salmon in the District 108 gill net catch, 1995.

		Brood Year and Age Class									
		1992	1991	1991	1990	1990	1990	1989	1989	1989	Total
		0.2	0.3	1.2	0.4	1.3	2.2	1.4	2.3	3.2	
Statistical Week	24 (June 11–17)										
Sample Size			5	17		104	6		16		148
Percent			3.4	11.5		70.3	4.1		10.8		100.0
Std. Error			0.8	1.5		2.1	0.9		1.5		
Catch			7	25		154	9		24		219
Statistical Week	25 (June 18–24)										
Sample Size			6	32		454	9		40		541
Percent			1.1	5.9		83.9	1.7		7.4		100.0
Std. Error			0.4	1.0		1.5	0.5		1.1		
Catch			71	377		5,348	106		471		6,373
Statistical Week	26 (June 25–July 1)										
Sample Size	2		4	60		391	13	1	31	1	503
Percent		0.4	0.8	11.9		77.7	2.6	0.2	6.2	0.2	100.0
Std. Error		0.3	0.4	1.4		1.8	0.7	0.2	1.1	0.2	
Catch		95	191	2,860		18,636	620	48	1,478	48	23,976
Statistical Week	27 (July 2–8)										
Sample Size		2	9	89		371	28		28		527
Percent		0.4	1.7	16.9		70.4	5.3		5.3		100.0
Std. Error		0.3	0.6	1.6		2.0	1.0		1.0		
Catch		74	332	3,281		13,675	1,032		1,032		19,426
Statistical Week	28 (July 9–15)										
Sample Size		6	9	143	2	370	17	1	45		593
Percent		1.0	1.5	24.1	0.3	62.4	2.9	0.2	7.6		100.0
Std. Error		0.4	0.5	1.7	0.2	1.9	0.7	0.2	1.1		
Catch		129	194	3,085	43	7,982	367	22	971		12,793
Statistical Week	29 (July 16–22)										
Sample Size		4	7	161	1	255	30	3	35		496
Percent		0.8	1.4	32.5	0.2	51.4	6.0	0.6	7.1		100.0
Std. Error		0.4	0.5	2.0	0.2	2.2	1.0	0.3	1.1		
Catch		56	97	2,238	14	3,545	417	42	487		6,896
Statistical Week	30 (July 23–29)										
Sample Size		6	6	103		319	19	1	39		493
Percent		1.2	1.2	20.9		64.7	3.9	0.2	7.9		100.0
Std. Error		0.5	0.5	1.7		2.0	0.8	0.2	1.2		
Catch		59	59	1,018		3,152	188	10	385		4,871
Statistical Week	31 (July 30–August 5)										
Sample Size		11	8	82		222	15	3	24		365
Percent		3.0	2.2	22.5		60.8	4.1	0.8	6.6		100.0
Std. Error		0.7	0.6	1.7		2.0	0.8	0.4	1.0		
Catch		26	19	196		530	36	7	57		871
Statistical Weeks	32–38 (August 6–September 23)										
Sample Size		2	2	11		91	9		26		141
Percent		1.4	1.4	7.8		64.5	6.4		18.4		100.0
Std. Error		0.9	0.9	2.1		3.8	2.0		3.1		
Catch		19	19	104		859	85		245		1,331
Combined Periods (Percentages are weighted by period catches)											
Sample Size		33	56	698	3	2,577	146	9	284	1	3,807
Percent		0.6	1.3	17.2	0.1	70.2	3.7	0.2	6.7	0.1	100.0
Std. Error		0.1	0.2	0.7	<0.1	0.9	0.4	0.1	0.5	0.1	
Catch		458	989	13,184	57	53,881	2,860	129	5,150	48	76,756

**APPENDIX B. LINEAR DISCRIMINANT FUNCTION
CLASSIFICATION MATRICES**

Appendix B1.—Classification matrices for linear discriminant functions used to classify age-1.2 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1991.

Actual Group	Sample Size	Classified Group of Origin						Mean Accuracy
		Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	
5-Stock Functions:								
Alaska	200	0.690		0.020	0.010	0.075	0.205	
Nass	200	0.025		0.670	0.175	0.070	0.060	
Skeena	200	0.025		0.205	0.630	0.110	0.030	
Tahltan	192	0.042		0.052	0.145	0.719	0.042	
Stikine	106	0.217		0.019	0.028	0.066	0.670	0.676
4-Stock Functions:								
Alaska	200	0.855		0.025	0.055	0.115		
Nass	200	0.030		0.715	0.170	0.085		
Skeena	200	0.050		0.195	0.650	0.105		
Tahltan	192	0.068		0.052	0.135	0.745		0.741
Alaska	200	0.725		0.045	0.035		0.195	
Nass	200	0.035		0.735	0.190		0.040	
Skeena	200	0.050		0.200	0.720		0.030	
Stikine	106	0.208		0.038	0.028		0.726	0.727
Alaska	200	0.700		0.025		0.075	0.200	
Nass	200	0.030		0.835		0.100	0.035	
Tahltan	192	0.052		0.099		0.807	0.042	
Stikine	106	0.179		0.038		0.094	0.689	0.758
Alaska	200	0.725			0.010	0.080	0.185	
Skeena	200	0.040			0.785	0.125	0.050	
Tahltan	192	0.063			0.161	0.745	0.031	
Stikine	106	0.217			0.000	0.075	0.708	0.741
3-Stock Functions:								
Alaska	200	0.895		0.060	0.045			
Nass	200	0.035		0.765	0.200			
Skeena	200	0.060		0.200	0.740			0.800
Alaska	200	0.885		0.035		0.080		
Nass	200	0.035		0.855		0.110		
Tahltan	192	0.063		0.109		0.828		0.856
Alaska	200	0.720				0.090	0.190	
Tahltan	192	0.083				0.880	0.036	
Stikine	106	0.236				0.066	0.698	0.766
Nass	200			0.830		0.100	0.070	
Tahltan	192			0.115		0.849	0.036	
Stikine	106			0.047		0.075	0.877	0.852
Alaska	200	0.735		0.060			0.205	
Nass	200	0.050		0.905			0.045	
Stikine	106	0.189		0.038			0.774	0.805
2-Stock Functions:								
Tahltan	192					0.948	0.052	
Stikine	106					0.085	0.915	0.932
Alaska	200	0.960		0.040				
Nass	200	0.050		0.950				0.955

Appendix B2.—Classification matrices for linear discriminant functions used to classify age-1.3 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1991.

Actual Group	Sample Size	Classified Group of Origin						Mean Accuracy
		Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	
6-Stock Function:								
Alaska I	179	0.704	0.117	0.011	0.006	0.050	0.112	
Alaska II	221	0.118	0.647	0.077	0.014	0.018	0.127	
Nass	151	0.013	0.079	0.596	0.093	0.099	0.119	
Skeena	200	0.030	0.030	0.135	0.640	0.115	0.050	
Tahltan	200	0.055	0.060	0.085	0.065	0.695	0.040	
Stikine	199	0.131	0.085	0.101	0.121	0.085	0.477	0.627
5-Stock Functions:								
Alaska I	179	0.743	0.128	0.022	0.000		0.106	
Alaska II	221	0.122	0.643	0.086	0.009		0.140	
Nass	151	0.026	0.093	0.669	0.106		0.106	
Skeena	200	0.050	0.045	0.185	0.665		0.055	
Stikine	199	0.151	0.095	0.111	0.131		0.513	0.646
Alaska I	179	0.760	0.151	0.034	0.011	0.045		
Alaska II	221	0.131	0.742	0.100	0.018	0.009		
Nass	151	0.026	0.139	0.669	0.093	0.073		
Skeena	200	0.015	0.020	0.140	0.685	0.140		
Tahltan	200	0.040	0.025	0.040	0.080	0.815		0.734
Alaska I	179	0.737	0.078	0.034		0.045	0.106	
Alaska II	221	0.104	0.652	0.090		0.014	0.140	
Nass	151	0.007	0.079	0.682		0.086	0.146	
Tahltan	200	0.055	0.035	0.070		0.805	0.035	
Stikine	199	0.141	0.161	0.146		0.106	0.447	0.665
Alaska I	179	0.704	0.123		0.011	0.061	0.101	
Alaska II	221	0.190	0.557		0.032	0.014	0.208	
Skeena	200	0.010	0.030		0.675	0.180	0.105	
Tahltan	200	0.050	0.015		0.110	0.795	0.030	
Stikine	199	0.131	0.085		0.166	0.080	0.538	0.654
Alaska I	179	0.765		0.022	0.011	0.045	0.156	
Nass	151	0.053		0.636	0.086	0.086	0.139	
Skeena	200	0.025		0.140	0.600	0.150	0.085	
Tahltan	200	0.055		0.035	0.065	0.815	0.030	
Stikine	199	0.166		0.131	0.131	0.070	0.503	0.664
Alaska II	221		0.679	0.081	0.023	0.018	0.199	
Nass	151		0.079	0.623	0.093	0.086	0.119	
Skeena	200		0.040	0.150	0.595	0.165	0.050	
Tahltan	200		0.040	0.035	0.055	0.835	0.035	
Stikine	199		0.181	0.111	0.101	0.095	0.513	0.649
4-Stock Functions:								
Alaska I	179	0.760	0.207	0.022	0.011			
Alaska II	221	0.163	0.710	0.113	0.014			
Nass	151	0.040	0.106	0.715	0.139			
Skeena	200	0.040	0.065	0.155	0.740			0.731
Alaska I	179	0.760	0.140	0.039		0.061		
Alaska II	221	0.145	0.751	0.095		0.009		
Nass	151	0.033	0.126	0.762		0.079		
Tahltan	200	0.035	0.030	0.065		0.870		0.786
Alaska I		0.888		0.050	0.011	0.050		
Nass	151	0.066		0.762	0.099	0.073		
Skeena	200	0.010		0.165	0.680	0.145		
Tahltan	200	0.045		0.045	0.055	0.855		0.796

-continued-

Appendix B2.–Page 2 of 2.

Actual Group	Sample Size	Classified Group of Origin						Mean Accuracy
		Alaska I	Alaska II	Nass	Skeena	Tahltn	Stikine	
Alaska II	221		0.842	0.113	0.027	0.018		
Nass	151		0.119	0.728	0.086	0.066		
Skeena	200		0.040	0.180	0.650	0.130		
Tahltn	200		0.050	0.035	0.065	0.850		0.768
Alaska II	221		0.692	0.081		0.023	0.204	
Nass	151		0.073	0.675		0.086	0.166	
Tahltn	200		0.045	0.060		0.855	0.040	
Stikine	199		0.216	0.161		0.111	0.513	0.684
Nass	151			0.656	0.093	0.073	0.179	
Skeena	200			0.150	0.635	0.140	0.075	
Tahltn	200			0.030	0.060	0.875	0.035	
Stikine	199			0.171	0.126	0.095	0.608	0.693
3-Stock Functions:								
Nass	151			0.675		0.113	0.212	
Tahltn	200			0.055		0.905	0.040	
Stikine	199			0.196		0.126	0.678	0.753

Appendix B3.—Classification matrices for linear discriminant functions used to classify age-2.2 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1991.

Actual Group	Sample Size	Classified Group of Origin					Mean Accuracy
		Alaska I	Alaska II	Nass	Skeena	Tahltan	
4-Stock Function:							
Alaska	185	0.832		0.059	0.032	0.076	
Nass	200	0.055		0.860	0.015	0.070	
Skeena	62	0.097		0.081	0.661	0.161	
Tahltan	111	0.027		0.117	0.162	0.694	0.762
3-Stock Function:							
Alaska	185	0.854		0.065	0.081		
Nass	200	0.055		0.890	0.055		
Skeena	62	0.097		0.097	0.806		0.850
Alaska	185	0.849		0.049		0.103	
Nass	200	0.040		0.890		0.070	
Tahltan	111	0.027		0.108		0.865	0.868
2-Stock Function:							
Alaska	185	0.935		0.065			
Nass	200	0.055		0.945			0.940

Appendix B4.—Classification matrices for linear discriminant functions used to classify age-2.3 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1991.

Actual Group	Sample Size	Classified Group of Origin						Mean Accuracy
		Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	
2-Stock Function:								
Alaska	200	0.840		0.160				
Nass	117	0.145		0.855				0.847

Appendix B5.—Classification matrices for linear discriminant functions used to classify age-1.2 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1992.

Actual Group	Sample Size	Classified Group of Origin						Mean Accuracy
		Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	
5-Stock Functions:								
Alaska	201	0.766		0.010	0.015	0.030	0.179	
Nass	200	0.005		0.695	0.195	0.075	0.030	
Skeena	200	0.025		0.215	0.580	0.155	0.025	
Tahltan	124	0.032		0.056	0.242	0.637	0.032	
Stikine	103	0.204		0.087	0.058	0.078	0.573	0.650
4-Stock Functions:								
Alaska	201	0.900		0.010	0.025	0.065		
Nass	200	0.015		0.735	0.180	0.070		
Skeena	200	0.035		0.220	0.585	0.160		
Tahltan	124	0.040		0.081	0.210	0.669		0.722
Alaska	201	0.771		0.015	0.030		0.184	
Nass	200	0.015		0.725	0.240		0.020	
Skeena	200	0.040		0.220	0.720		0.020	
Stikine	103	0.155		0.107	0.146		0.592	0.702
Alaska	201	0.776		0.015		0.045	0.164	
Nass	200	0.005		0.835		0.100	0.060	
Tahltan	124	0.040		0.137		0.798	0.024	
Stikine	103	0.223		0.107		0.107	0.563	0.743
Alaska	201	0.791			0.020	0.055	0.134	
Skeena	200	0.035			0.760	0.150	0.055	
Tahltan	124	0.073			0.234	0.661	0.032	
Stikine	103	0.175			0.146	0.078	0.602	0.704
3-Stock Functions:								
Alaska	201	0.881		0.040		0.080		
Nass	200	0.020		0.870		0.110		
Tahltan	124	0.065		0.121		0.815		0.855
Alaska	201	0.811			0.040		0.149	
Skeena	200	0.030			0.900		0.070	
Stikine	103	0.194			0.175		0.631	0.781
Alaska	201	0.756				0.060	0.184	
Tahltan	124	0.048				0.871	0.081	
Stikine	103	0.155				0.146	0.699	0.775
Skeena	200				.805	.160	.035	
Tahltan	124				.242	.726	.032	
Stikine	103				.165	.078	.757	.894
2-Stock Functions:								
Alaska	201	0.960		0.040				
Nass	200	0.015		0.985				0.973
Alaska	201	0.801					0.199	
Stikine	103	0.194					0.806	0.803
Tahltan	124					.944	.056	
Stikine	103					.155	.845	.894
Skeena	200				0.930		0.070	
Stikine	103				0.214		0.786	0.858

Appendix B6.—Classification matrices for linear discriminant functions used to classify age-1.3 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1992.

Actual Group	Sample Size	Classified Group of Origin						Mean Accuracy
		Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	
6-Stock Function:								
Alaska I	177	0.678	0.113	0.045	0.011	0.045	0.107	
Alaska II	223	0.094	0.744	0.000	0.004	0.000	0.157	
Nass	200	0.050	0.010	0.620	0.190	0.065	0.065	
Skeena	200	0.045	0.000	0.225	0.585	0.125	0.020	
Tahltan	200	0.025	0.005	0.060	0.140	0.750	0.020	
Stikine	200	0.115	0.170	0.035	0.025	0.075	0.580	0.660
5-Stock Functions:								
Alaska I	177	0.706	0.158	0.056	0.011	0.068		
Alaska II	223	0.139	0.834	0.000	0.004	0.022		
Nass	200	0.075	0.020	0.615	0.225	0.065		
Skeena	200	0.035	0.000	0.190	0.595	0.180		
Tahltan	200	0.040	0.000	0.045	0.120	0.795		0.709
Alaska I	177	0.678	0.124	0.068	0.017		0.113	
Alaska II	223	0.094	0.731	0.000	0.009		0.166	
Nass	200	0.060	0.010	0.650	0.200		0.080	
Skeena	200	0.065	0.000	0.230	0.675		0.030	
Stikine	200	0.140	0.165	0.040	0.035		0.620	0.671
Alaska I	177	0.667	0.130	0.051		0.045	0.107	
Alaska II	223	0.085	0.753	0.009		0.018	0.135	
Nass	200	0.075	0.010	0.785		0.055	0.075	
Tahltan	200	0.050	0.000	0.105		0.820	0.025	
Stikine	200	0.100	0.185	0.050		0.055	0.610	0.727
Alaska I	177	0.689	0.119		0.023	0.051	0.119	
Alaska II	223	0.081	0.735		0.004	0.013	0.166	
Skeena	200	0.035	0.005		0.725	0.190	0.045	
Tahltan	200	0.050	0.000		0.145	0.790	0.015	
Stikine	200	0.115	0.185		0.030	0.080	0.590	0.706
Alaska I	177	0.667	0.130	0.051		0.045	0.107	
Alaska II	223	0.085	0.753	0.009		0.018	0.135	
Nass	200	0.075	0.010	0.785		0.055	0.075	
Tahltan	200	0.050	0.000	0.105		0.820	0.025	
Stikine	200	0.100	0.185	0.050		0.055	0.610	0.727
Alaska I	177	0.689	0.119		0.023	0.051	0.119	
Alaska II	223	0.081	0.735		0.004	0.013	0.166	
Skeena	200	0.035	0.005		0.725	0.190	0.045	
Tahltan	200	0.050	0.000		0.145	0.790	0.015	
Stikine	200	0.115	0.185		0.030	0.080	0.590	0.706
Alaska I	177	0.638		0.079	0.006	0.073	0.203	
Nass	200	0.055		0.620	0.195	0.050	0.080	
Skeena	200	0.040		0.185	0.575	0.165	0.035	
Tahltan	200	0.045		0.035	0.135	0.770	0.015	
Stikine	200	0.160		0.035	0.020	0.085	0.700	0.661
Alaska II	223		0.798	0.013	0.000	0.004	0.184	
Nass	200		0.015	0.640	0.190	0.050	0.105	
Skeena	200		0.005	0.200	0.580	0.170	0.045	
Tahltan	200		0.000	0.045	0.140	0.795	0.020	
Stikine	200		0.235	0.045	0.010	0.085	0.625	0.688
4-Stock Functions:								
Alaska I	177	0.734	0.164	0.062	0.034			
Alaska II	223	0.139	0.843	0.009	0.009			
Nass	200	0.085	0.020	0.695	0.200			
Skeena	200	0.050	0.000	0.245	0.705			0.744
Alaska I	177	0.723	0.158	0.045		0.073		
Alaska II	223	0.135	0.843	0.004		0.018		
Nass	200	0.080	0.025	0.815		0.080		
Tahltan	200	0.040	0.000	0.050		0.910		0.823
Alaska I	177	0.633	0.181	0.079			0.107	
Alaska II	223	0.117	0.731	0.009			0.143	
Nass	200	0.070	0.015	0.850			0.065	
Stikine	200	0.105	0.155	0.080			0.660	0.718

-continued-

Appendix. B6.–Page 2 of 2.

Actual Group	Sample Size	Classified Group of Origin						Mean Accuracy
		Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	
Alaska I	177	0.706	0.192		0.028	0.073		
Alaska II	223	0.170	0.807		0.004	0.018		
Skeena	200	0.070	0.000		0.735	0.195		
Tahltan	200	0.055	0.010		0.185	0.750		0.750
Alaska I	177	0.712	0.141		0.034		0.113	
Alaska II	223	0.076	0.767		0.009		0.148	
Skeena	200	0.090	0.005		0.850		0.055	
Stikine	200	0.105	0.200		0.045		0.650	0.745
Alaska I	177	0.616	0.209			0.056	0.119	
Alaska II	223	0.121	0.695			0.018	0.166	
Tahltan	200	0.045	0.000			0.915	0.040	
Stikine	200	0.120	0.165			0.070	0.645	0.718
Alaska I	177	0.768		0.051		0.040	0.141	
Nass	200	0.065		0.820		0.060	0.055	
Tahltan	200	0.045		0.130		0.815	0.010	
Stikine	200	0.190		0.060		0.075	0.675	0.770
Alaska II	223		0.803	0.009	0.009		0.179	
Nass	200		0.025	0.700	0.200		0.075	
Skeena	200		0.005	0.265	0.675		0.055	
Stikine	200		0.190	0.045	0.045		0.720	0.724
Alaska II	223		0.803	0.013		0.018	0.166	
Nass	200		0.015	0.800		0.080	0.105	
Tahltan	200		0.010	0.080		0.885	0.025	
Stikine	200		0.220	0.065		0.070	0.645	0.783
Alaska II	223		0.807		0.009	0.013	0.170	
Skeena	200		0.005		0.745	0.195	0.055	
Tahltan	200		0.000		0.195	0.775	0.030	
Stikine	200		0.230		0.035	0.075	0.660	0.747
3-Stock Functions:								
Alaska I	177	0.808	0.141		0.051			
Alaska II	223	0.130	0.865		0.004			
Skeena	200	0.070	0.015		0.915			0.863
Alaska I	177	0.695	0.181				0.124	
Alaska II	223	0.108	0.749				0.143	
Stikine	200	0.155	0.155				0.690	0.711
Alaska I	177	0.791		0.096			0.113	
Nass	200	0.070		0.860			0.070	
Stikine	200	0.185		0.085			0.730	0.794
Alaska I	177	0.808			0.051		0.141	
Skeena	200	0.070			0.890		0.040	
Stikine	200	0.195			0.040		0.765	0.821
Alaska I	177	0.746				0.062	0.192	
Tahltan	200	0.060				0.920	0.020	
Stikine	200	0.145				0.080	0.775	0.814
2-Stock Functions:								
Alaska I	177	0.864					0.136	
Stikine	200	0.200					0.800	0.832
Alaska II	223		0.780				0.220	
Stikine	200		0.220				0.780	0.780

Appendix B7.—Classification matrices for linear discriminant functions used to classify age-2.2 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1992.

Actual Group	Sample Size	Classified Group of Origin					Mean Accuracy	
		Alaska I	Alaska II	Nass	Skeena	Tahltan		Stikine
5-Stock Function:								
Alaska	204	0.642		0.049	0.044	0.088	0.176	
Nass	200	0.015		0.815	0.145	0.005	0.020	
Skeena	200	0.070		0.220	0.550	0.125	0.035	
Tahltan	53	0.019		0.038	0.094	0.774	0.075	
Stikine	27	0.185		0.074	0.000	0.037	0.704	0.697
4-Stock Function:								
Alaska	204	0.853		0.034	0.049	0.064		
Nass	200	0.010		0.805	0.165	0.020		
Skeena	200	0.075		0.220	0.565	0.140		
Tahltan	53	0.057		0.038	0.151	0.755		0.744
Alaska	204	0.691		0.049	0.064		0.196	
Nass	200	0.015		0.810	0.155		0.020	
Skeena	200	0.080		0.220	0.655		0.045	
Stikine	27	0.185		0.074	0.037		0.704	0.715
Alaska	204	0.681			0.064	0.074	0.181	
Skeena	200	0.090			0.745	0.110	0.055	
Tahltan	53	0.019			0.132	0.755	0.094	
Stikine	27	0.148			0.037	0.037	0.778	0.740
3-Stock Function:								
Alaska	204	0.838			0.088	0.074		
Skeena	200	0.095			0.760	0.145		
Tahltan	53	0.057			0.113	0.830		0.809
Alaska	204	0.770			0.088		0.142	
Skeena	200	0.095			0.855		0.050	
Stikine	27	0.140			0.111		0.741	0.788
2-Stock Function:								
Alaska	204	0.902			0.098			
Skeena	200	0.110			0.890			0.898

Appendix B8.—Classification matrices for linear discriminant functions used to classify age-2.3 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1992.

Actual Group	Sample Size	Classified Group of Origin					Mean Accuracy	
		Alaska I	Alaska II	Nass	Skeena	Tahltan		Stikine
5-Stock Function:								
Alaska	167	0.754		0.072	0.078	0.024	0.072	
Nass	158	0.025		0.734	0.095	0.095	0.051	
Skeena	124	0.153		0.032	0.605	0.145	0.065	
Tahltan	153	0.013		0.065	0.137	0.732	0.052	
Stikine	38	0.158		0.053	0.079	0.105	0.605	0.686
4-Stock Function:								
Alaska	167	0.796		0.072	0.090	0.042		
Nass	158	0.038		0.753	0.114	0.095		
Skeena	124	0.169		0.073	0.605	0.153		
Tahltan	153	0.020		0.078	0.131	0.771		0.731
Alaska	167	0.743		0.084	0.078		0.096	
Nass	158	0.032		0.785	0.076		0.108	
Skeena	124	0.153		0.040	0.685		0.121	
Stikine	38	0.079		0.105	0.105		0.711	0.731
Alaska	167	0.820			0.066	0.048	0.066	
Skeena	124	0.161			0.621	0.161	0.056	
Tahltan	153	0.000			0.176	0.778	0.046	
Stikine	38	0.105			0.079	0.158	0.658	0.719
3-Stock Function:								
Alaska	167	0.868			0.108	0.024		
Skeena	124	0.194			0.677	0.129		
Tahltan	153	0.007			0.216	0.778		0.774
Alaska	167	0.784			0.108		0.108	
Skeena	124	0.202			0.726		0.073	
Stikine	38	0.158			0.158		0.684	0.731
Alaska	167	0.850				0.048	0.102	
Tahltan	153	0.013				0.915	0.072	
Stikine	38	0.132				0.184	0.684	0.817
2-Stock Function:								
Alaska	167	0.844			0.156			
Skeena	124	0.194			0.806			0.825

Appendix B9.—Classification matrices for linear discriminant functions used to classify age-1.2 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1993.

Actual Group	Sample Size	Classified Group of Origin					Mean Accuracy	
		Alaska I	Alaska II	Nass	Skeena	Tahltan		Stikine
5-Stock Functions:								
Alaska	200	0.775		0.010	0.025	0.035	0.155	
Nass	200	0.010		0.700	0.190	0.095	0.005	
Skeena	200	0.040		0.185	0.690	0.075	0.010	
Tahltan	200	0.035		0.070	0.120	0.775	0.000	
Stikine	80	0.125		0.063	0.087	0.000	0.725	0.733
4-Stock Functions:								
Alaska	200	0.780		0.020		0.035	0.165	
Nass	200	0.005		0.845		0.130	0.020	
Tahltan	200	0.050		0.125		0.825	0.000	
Stikine	80	0.138		0.063		0.000	0.800	0.813
Alaska	200	0.765			0.040	0.045	0.150	
Skeena	200	0.045			0.800	0.135	0.020	
Tahltan	200	0.040			0.180	0.780	0.000	
Stikine	80	0.138			0.050	0.000	0.813	0.789
Alaska	200	0.935		0.020	0.015	0.030		
Nass	200	0.010		0.725	0.155	0.110		
Skeena	200	0.040		0.200	0.700	0.060		
Tahltan	200	0.035		0.080	0.115	0.770		0.783
Alaska	200	0.815		0.010	0.040		0.135	
Nass	200	0.015		0.755	0.210		0.020	
Skeena	200	0.035		0.185	0.770		0.010	
Stikine	80	0.087		0.050	0.063		0.800	0.785
3-Stock Functions:								
Alaska	200	0.940		0.020		0.040		
Nass	200	0.010		0.860		0.130		
Tahltan	200	0.010		0.125		0.865		0.888
Skeena	200				0.865	0.105	0.030	
Tahltan	200				0.165	0.835	0.000	
Stikine	80				0.087	0.025	0.887	0.863
2-Stock Functions:								
Alaska	200	0.950				0.050		
Tahltan	200	0.035				0.965		0.957

Appendix B10.—Classification matrices for linear discriminant functions used to classify age-1.3 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1993.

Actual Group	Sample Size	Classified Group of Origin						Mean Accuracy
		Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	
6-Stock Function:								
Alaska I	190	0.816	0.058	0.005	0.016	0.068	0.037	
Alaska II	171	0.047	0.754	0.000	0.000	0.000	0.199	
Nass	200	0.005	0.010	0.720	0.200	0.025	0.040	
Skeena	200	0.040	0.010	0.175	0.670	0.070	0.035	
Tahltan	200	0.055	0.005	0.030	0.135	0.770	0.005	
Stikine	200	0.100	0.190	0.065	0.030	0.005	0.610	0.723
5-Stock Functions:								
Alaska I	190	0.789	0.084		0.016	0.068	0.042	
Alaska II	171	0.029	0.778		0.000	0.000	0.193	
Skeena	200	0.055	0.025		0.805	0.090	0.025	
Tahltan	200	0.060	0.000		0.150	0.785	0.005	
Stikine	200	0.080	0.205		0.080	0.005	0.630	0.757
Alaska I	190	0.868	0.037	0.005	0.032	0.058		
Alaska II	171	0.117	0.848	0.012	0.018	0.006		
Nass	200	0.005	0.005	0.740	0.225	0.025		
Skeena	200	0.045	0.020	0.170	0.680	0.085		
Tahltan	200	0.050	0.000	0.015	0.115	0.820		0.791
Alaska I	190	0.868	0.053	0.005	0.037		0.037	
Alaska II	171	0.058	0.749	0.000	0.000		0.193	
Nass	200	0.015	0.005	0.715	0.220		0.045	
Skeena	200	0.080	0.010	0.200	0.685		0.025	
Stikine	200	0.070	0.155	0.075	0.030		0.670	0.737
Alaska I	190	0.821	0.063	0.016		0.068	0.032	
Alaska II	171	0.041	0.754	0.000		0.000	0.205	
Nass	200	0.005	0.010	0.880		0.045	0.060	
Tahltan	200	0.065	0.005	0.090		0.835	0.005	
Stikine	200	0.090	0.200	0.070		0.015	0.625	0.783
Alaska I	190	0.858		0.011	0.021	0.053	0.058	
Nass	200	0.005		0.705	0.210	0.040	0.040	
Skeena	200	0.035		0.175	0.645	0.100	0.045	
Tahltan	200	0.055		0.005	0.125	0.810	0.005	
Stikine	200	0.135		0.075	0.030	0.010	0.750	0.754
4-Stock Functions:								
Alaska I	190	0.889	0.037	0.011		0.063		
Alaska II	171	0.123	0.871	0.000		0.006		
Nass	200	0.015	0.005	0.920		0.060		
Tahltan	200	0.075	0.000	0.070		0.855		0.884
Alaska I	190	0.863			0.021	0.074	0.042	
Skeena	200	0.055			0.835	0.070	0.040	
Tahltan	200	0.055			0.170	0.770	0.005	
Stikine	200	0.135			0.075	0.005	0.785	0.813
Alaska I	190	0.837	0.074		0.047		0.042	
Alaska II	171	0.041	0.708		0.006		0.246	
Skeena	200	0.090	0.020		0.830		0.060	
Stikine	200	0.075	0.180		0.065		0.680	0.764
Alaska I	190	0.863		0.016		0.058	0.063	
Nass	200	0.005		0.885		0.055	0.055	
Tahltan	200	0.080		0.075		0.840	0.005	
Stikine	200	0.135		0.085		0.010	0.770	0.840
Alaska II	171		0.825		0.006	0.012	0.158	
Skeena	200		0.020		0.855	0.080	0.045	
Tahltan	200		0.005		0.180	0.810	0.005	
Stikine	200		0.215		0.070	0.005	0.710	0.800
3-Stock Functions:								
Alaska II	171		0.819		0.012		0.170	
Skeena	200		0.020		0.935		0.045	
Stikine	200		0.180		0.065		0.755	0.836

Appendix B11.—Classification matrices for linear discriminant functions used to classify age-2.2 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1993.

Actual Group	Sample Size	Classified Group of Origin					Mean Accuracy
		Alaska I	Alaska II	Nass	Skeena	Tahltan	
3-Stock Function:							
Alaska	200	0.895		0.010	0.095		
Nass	200	0.015		0.895	0.090		
Skeena	46	0.174		0.043	0.783		0.858
2-Stock Function:							
Alaska	200	0.990		0.010			
Nass	200	0.030		0.970			0.980
Alaska	200	0.885			0.115		
Skeena	46	0.174			0.826		0.856

Appendix B12.—Classification matrices for linear discriminant functions used to classify age-2.3 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1993.

Actual Group	Sample Size	Classified Group of Origin					Mean Accuracy
		Alaska I	Alaska II	Nass	Skeena	Tahltan	
4-Stock Function:							
Alaska I	200	0.675	0.255	0.020		0.050	
Alaska II	150	0.173	0.827	0.000		0.000	
Nass	84	0.119	0.012	0.786		0.083	
Tahltan	186	0.043	0.005	0.038		0.914	0.800
3-Stock Function:							
Alaska I	200	0.750	0.225	0.025			
Alaska II	150	0.193	0.807	0.000			
Nass	84	0.119	0.024	0.857			0.805
Alaska I	200	0.685	0.255			0.060	
Alaska II	150	0.180	0.820			0.000	
Tahltan	186	0.048	0.005			0.946	0.817
Alaska I	200	0.920		0.025		0.055	
Nass	84	0.107		0.810		0.083	
Tahltan	186	0.054		0.032		0.914	0.881

Appendix B13.—Classification matrices for linear discriminant functions used to classify age-1.2 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1994.

Actual Group	Sample Size	Classified Group of Origin					Mean Accuracy
		Alaska I	Alaska II	Nass	Skeena	Tahltan	
4-Stock Functions:							
Alaska	177	0.802		0.051	0.023	0.124	
Nass	121	0.033		0.744	0.140	0.083	
Skeena	190	0.026		0.168	0.653	0.153	
Tahltan	191	0.058		0.047	0.178	0.717	0.729
3-Stock Functions:							
Alaska	177	0.893		0.068	0.040		
Nass	121	0.041		0.752	0.207		
Skeena	190	0.053		0.189	0.758		0.801
Alaska	177	0.819		0.079		0.102	
Nass	121	0.041		0.835		0.124	
Tahltan	191	0.079		0.084		0.838	0.831
2-Stock Functions:							
Alaska	177	0.915		0.085			
Nass	121	0.074		0.926			0.920
Alaska	177	0.932			0.068		
Skeena	190	0.068			0.932		0.932
Alaska	177	0.864				0.136	
Tahltan	191	0.079				0.921	0.893

Appendix B14.—Classification matrices for linear discriminant functions used to classify age-1.3 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1994.

Actual Group	Sample Size	Classified Group of Origin						Mean Accuracy
		Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	
6-Stock Function:								
Alaska I	193	0.824	0.067	0.036	0.052	0.016	0.005	
Alaska II	207	0.043	0.836	0.010	0.000	0.000	0.111	
Nass	200	0.020	0.025	0.725	0.170	0.035	0.025	
Skeena	200	0.075	0.015	0.210	0.550	0.135	0.015	
Tahltan	200	0.025	0.000	0.010	0.130	0.835	0.000	
Stikine	200	0.050	0.195	0.055	0.020	0.000	0.680	0.742
5-Stock Functions:								
Alaska I	193	0.824	0.083		0.057	0.016	0.021	
Alaska II	207	0.034	0.821		0.000	0.000	0.145	
Skeena	200	0.105	0.015		0.710	0.140	0.030	
Tahltan	200	0.040	0.000		0.150	0.810	0.000	
Stikine	200	0.050	0.190		0.040	0.000	0.720	0.777
Alaska I	193	0.839	0.098	0.036		0.021	0.005	
Alaska II	207	0.019	0.831	0.005		0.000	0.145	
Nass	200	0.035	0.020	0.835		0.070	0.040	
Tahltan	200	0.045	0.000	0.055		0.900	0.000	
Stikine	200	0.050	0.220	0.050		0.000	0.680	0.817
Alaska I	193	0.839		0.041	0.057	0.021	0.041	
Nass	200	0.020		0.715	0.195	0.040	0.030	
Skeena	200	0.085		0.240	0.520	0.130	0.025	
Tahltan	200	0.020		0.010	0.140	0.830	0.000	
Stikine	200	0.075		0.055	0.015	0.000	0.855	0.752
4-Stock Functions:								
Alaska I	193	0.808	0.093		0.067	0.031		
Alaska II	207	0.063	0.937		0.000	0.000		
Skeena	200	0.080	0.030		0.760	0.130		
Tahltan	200	0.020	0.000		0.150	0.830		0.834
Alaska I	193	0.777	0.124		0.067		0.031	
Alaska II	207	0.029	0.807		0.000		0.164	
Skeena	200	0.110	0.025		0.830		0.035	
Stikine	200	0.050	0.195		0.020		0.735	0.787
Alaska I	193	0.886	0.036	0.036		0.041		
Alaska II	207	0.053	0.942	0.005		0.000		
Nass	200	0.035	0.030	0.865		0.070		
Tahltan	200	0.035	0.000	0.060		0.905		0.900
Alaska I	193	0.896		0.047		0.026	0.031	
Nass	200	0.025		0.855		0.075	0.045	
Tahltan	200	0.035		0.055		0.910	0.000	
Stikine	200	0.090		0.060		0.000	0.085	0.878
Alaska I	193	0.886		0.026	0.067	0.021		
Nass	200	0.030		0.765	0.180	0.025		
Skeena	200	0.090		0.175	0.625	0.110		
Tahltan	200	0.015		0.020	0.150	0.815		0.773
Alaska I	193	0.881			0.067	0.021	0.031	
Skeena	200	0.100			0.735	0.130	0.035	
Tahltan	200	0.030			0.160	0.810	0.000	
Stikine	200	0.075			0.050	0.000	0.875	0.825
3-Stock Functions:								
Alaska I	193	0.876	0.052		0.073			
Alaska II	207	0.082	0.918		0.000			
Skeena	200	0.140	0.025		0.835			0.876

Appendix B15.—Classification matrices for linear discriminant functions used to classify age-2.3 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1994.

Actual Group	Sample Size	Classified Group of Origin					Mean Accuracy
		Alaska I	Alaska II	Nass	Skeena	Tahltan	
3-Stock Function:							
Alaska	158	0.873		0.044		0.082	
Nass	105	0.095		0.876		0.029	
Tahltan	48	0.083		0.042		0.875	0.875
2-Stock Function:							
Alaska	158	0.949		0.051			
Nass	105	0.086		0.914			0.932
Alaska	158	0.937				0.063	
Tahltan	48	0.083				0.917	0.927

Appendix B16.—Classification matrices for linear discriminant functions used to classify age-1.2 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1995.

Actual Group	Sample Size	Classified Group of Origin						Mean Accuracy
		Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	
5-Stock Functions:								
Alaska	200	0.720		0.015	0.010	0.105	0.150	
Nass	201	0.015		0.766	0.174	0.030	0.015	
Skeena	199	0.030		0.196	0.638	0.131	0.005	
Tahltan	193	0.062		0.026	0.109	0.803	0.000	
Stikine	117	0.205		0.043	0.034	0.017	0.701	0.726
4-Stock Functions:								
Alaska	200	0.780			0.030	0.100	0.090	
Skeena	199	0.040			0.799	0.141	0.020	
Tahltan	193	0.067			0.140	0.793	0.000	
Stikine	117	0.205			0.034	0.026	0.735	0.777
3-Stock Functions:								
Alaska	200	0.840			0.030		0.130	
Skeena	199	0.075			0.895		0.030	
Stikine	117	0.128			0.043		0.829	0.855

Appendix B17.—Classification matrices for linear discriminant functions used to classify age-1.3 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1995.

Actual Group	Sample Size	Classified Group of Origin						Mean Accuracy
		Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	
6-Stock Function:								
Alaska I	200	0.645	0.180	0.020	0.005	0.065	0.085	
Alaska II	200	0.165	0.725	0.005	0.000	0.010	0.095	
Nass	150	0.000	0.007	0.627	0.253	0.067	0.047	
Skeena	200	0.015	0.000	0.225	0.600	0.155	0.005	
Tahltan	200	0.070	0.000	0.035	0.100	0.770	0.025	
Stikine	200	0.050	0.125	0.075	0.045	0.140	0.565	0.655
5-Stock Functions:								
Alaska I	200	0.625	0.200		0.005	0.070	0.100	
Alaska II	200	0.125	0.810		0.005	0.000	0.060	
Skeena	200	0.020	0.000		0.770	0.175	0.035	
Tahltan	200	0.075	0.005		0.160	0.725	0.035	
Stikine	200	0.065	0.150		0.075	0.160	0.550	0.696
4-Stock Functions:								
Alaska I	200	0.710	0.195		0.010		0.085	
Alaska II	200	0.110	0.815		0.000		0.075	
Skeena	200	0.040	0.010		0.910		0.040	
Stikine	200	0.105	0.155		0.160		0.580	0.754

Appendix B18.—Classification matrices for linear discriminant functions used to classify age-2.2 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1995.

Actual Group	Sample Size	Classified Group of Origin					Mean Accuracy
		Alaska I	Alaska II	Nass	Skeena	Tahltan	
2-Stock Function:							
Alaska	199	0.9698		0.0302			
Nass	202	0.005		0.995			0.9824

Appendix B19.—Classification matrices for linear discriminant functions used to classify age-2.3 sockeye salmon caught in Alaskan District 106 and 108 gillnet fisheries, 1995.

Actual Group	Sample Size	Classified Group of Origin					Mean Accuracy	
		Alaska I	Alaska II	Nass	Skeena	Tahltan		Stikine
4-Stock Function:								
Alaska	199	0.889		0.035		0.035	0.040	
Nass	110	0.064		0.809		0.091	0.036	
Tahltan	44	0.046		0.046		0.500	0.409	
Stikine	64	0.047		0.078		0.328	0.547	0.686
2-Stock Function:								
Alaska	199	0.910					0.091	
Stikine	64	0.047					0.953	0.931

APPENDIX C. COMMERCIAL CATCH STOCK COMPOSITION

Appendix C1.—Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan Subdistrict 106-30 drift gillnet fishery, 1991.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard Error ^b	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other				Lower	Upper
6/16-6/22	Alaska I	166	814	54	251	0	3	1,288	56.7	280.1	827	1,749
Week 25	Alaska II	0	0	0	0	0	0	0	0.0	0.0	0	0
	Nass	176	239	145	106	0	2	667	29.4	270.6	222	1,113
	Skeena	0	8	22	0	0	0	30	1.3	57.4	0	125
	Tahltan	26	214	0	0	0	1	240	10.6	72.3	121	359
	Stikine	0	30	0	0	17	0	47	2.1	137.8	0	274
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	368	1,304	221	357	17	6	2,273				
	6/23-6/29	Alaska I	316	840	117	250	0	6	1,529	51.9	287.8	1,056
Week 26	Alaska II	0	108	0	0	0	0	109	3.7	96.7	0	268
	Nass	336	99	312	106	0	3	856	29.0	271.1	410	1,302
	Skeena	0	99	48	0	0	1	147	5.0	68.1	36	259
	Tahltan	49	202	0	0	0	1	252	8.5	88.8	106	398
	Stikine	0	43	0	0	11	0	55	1.9	126.9	0	264
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	701	1,391	477	356	11	11	2,948				
	6/30-7/06	Alaska I	229	714	67	196	0	0	1,207	49.2	119.3	1,010
Week 27	Alaska II	0	67	0	0	0	0	67	2.7	83.7	0	205
	Nass	194	203	179	133	0	0	708	28.8	96.0	550	866
	Skeena	0	21	28	0	0	0	48	2.0	49.7	0	130
	Tahltan	8	287	0	0	0	0	295	12.0	79.5	164	426
	Stikine	106	0	0	0	24	0	130	5.3	51.4	45	215
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	536	1,291	274	329	24	0	2,455				
	7/07-7/13	Alaska I	544	1,937	361	611	0	0	3,452	47.5	368.1	2,847
Week 28	Alaska II	0	803	0	0	0	0	803	11.0	328.0	263	1,342
	Nass	462	855	429	330	0	0	2,076	28.6	328.6	1,535	2,616
	Skeena	0	0	126	0	0	0	126	1.7	54.1	37	215
	Tahltan	0	637	9	0	0	0	646	8.9	230.2	267	1,025
	Stikine	0	131	0	0	32	0	163	2.2	462.6	0	924
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,006	4,363	924	941	32	0	7,266				
	7/14-7/20	Alaska I	772	2,876	317	426	0	0	4,391	50.4	500.3	3,568
Week 29	Alaska II	0	1,899	0	0	0	0	1,899	21.8	501.2	1,074	2,723
	Nass	190	371	377	230	0	0	1,169	13.4	350.2	593	1,745
	Skeena	0	414	110	0	0	0	525	6.0	261.9	94	956
	Tahltan	0	625	8	0	0	0	633	7.3	279.6	173	1,093
	Stikine	84	0	0	0	16	0	99	1.1	81.7	0	234
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,046	6,185	812	656	16	0	8,715				
	7/21-7/27	Alaska I	525	2,154	252	477	0	19	3,427	46.4	441.0	2,701
Week 30	Alaska II	0	2,535	0	0	0	14	2,549	34.5	483.0	1,754	3,343
	Nass	129	342	218	97	0	4	791	10.7	325.5	256	1,327
	Skeena	0	315	35	0	0	2	352	4.8	215.7	0	707
	Tahltan	0	177	0	0	0	1	178	2.4	182.6	0	478
	Stikine	57	0	0	0	27	0	85	1.1	57.8	0	180
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	711	5,522	506	574	27	41	7,381				
	7/28-8/03	Alaska I	846	986	401	481	0	23	2,737	30.6	446.9	2,001
Week 31	Alaska II	0	3,852	0	0	0	33	3,884	43.5	584.0	2,923	4,845
	Nass	145	1,148	346	98	0	15	1,751	19.6	480.4	961	2,541
	Skeena	0	266	56	0	0	3	325	3.6	262.1	0	756
	Tahltan	0	233	0	0	0	2	235	2.6	212.1	0	584
	Stikine	0	0	0	0	0	0	0	0.0	0.0	0	0
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	990	6,484	804	579	0	75	8,932				
	8/04-8/10	Alaska I	485	1,227	271	369	0	0	2,351	40.1	335.2	1,800
Week 32	Alaska II	0	2,290	0	0	0	0	2,290	39.1	374.9	1,673	2,907
	Nass	83	659	234	75	0	0	1,050	17.9	261.6	620	1,481
	Skeena	0	0	38	0	0	0	38	0.6	24.5	0	78
	Tahltan	0	129	0	0	0	0	129	2.2	131.3	0	345
	Stikine	0	0	0	0	0	0	0	0.0	0.0	0	0
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	567	4,305	543	444	0	0	5,859				

-continued-

Appendix C1.—Page 2 Of 2.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard	90% C.I. ^b		
		1.2	1.3	2.2	2.3	0.	Other			Error ^b	Lower	Upper	
8/11-8/17	Alaska I	333	957	266	353	0	0	1,910	36.5	258.4	1,485	2,335	
Week 33	Alaska II	0	1,524	0	0	0	0	1,524	29.1	295.1	1,038	2,009	
	Nass	56	345	377	120	0	0	898	17.2	235.7	511	1,286	
	Skeena	147	489	56	0	0	0	692	13.2	193.4	374	1,010	
	Tahltn	0	204	0	0	0	0	204	3.9	139.6	0	434	
	Stikine	0	0	0	0	0	0	0	0.0	0.0	0	0	
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0	
	Total	536	3,519	699	474	0	0	5,228					
	8/18-10/12	Alaska I	326	420	103	255	0	4	1,108	30.0	168.1	831	1,384
Weeks 34-41	Alaska II	0	802	0	0	0	3	805	21.8	201.9	472	1,137	
	Nass	55	12	345	87	0	2	501	13.6	156.6	243	758	
	Skeena	144	1,125	0	0	0	4	1,273	34.5	180.7	976	1,570	
	Tahltn	0	0	0	0	0	0	0	0.0	0.0	0	0	
	Stikine	0	0	0	0	6	0	6	0.2	5.9	0	16	
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0	
	Total	525	2,359	448	342	6	12	3,692					
Season	Alaska I	4,541	12,924	2,209	3,670	0	55	23,399	42.7	1,078	21,625	25,173	
	Alaska II	0	13,879	0	0	0	50	13,929	25.4	1,104	12,114	15,744	
Totals	Nass	1,826	4,272	2,962	1,382	0	26	10,467	19.1	934	8,931	12,003	
	Skeena	291	2,737	520	0	0	9	3,557	6.5	518	2,705	4,408	
	Tahltn	83	2,707	17	0	0	5	2,812	5.1	515	1,964	3,660	
	Stikine	246	204	0	0	134	1	585	1.1	512	0	1,427	
	Tuya	0	0	0	0	0	0	0	0.0	0	0	0	
	Total	6,987	36,723	5,708	5,052	134	145	54,749					

^a Percents may not sum to 100.

^b The standard errors are minimum estimates since no estimates of the variance for stocks contributing 0 fish during a given week or for the 'other' age class are available. The 90% confidence intervals are affected in a like manner.

Appendix C2.—Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska Subdistrict 106-30 drift gillnet fishery, 1991.

Stat Week	Days Open	Number Boats	Boat Days	Stock Group							Total
				Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	Tuya	
Catch per Boat Day											
25	2	33	66	20	0	10	0	4	1	0	34
26	2	29	58	26	2	15	3	4	1	0	51
27	2	38	76	16	1	9	1	4	2	0	32
28	2	62	124	28	6	17	1	5	1	0	59
29	2	59	118	37	16	10	4	5	1	0	74
30	2	61	122	28	21	6	3	1	1	0	61
31	2	54	108	25	36	16	3	2	0	0	83
32	2	41	82	29	28	13	0	2	0	0	71
33	2	39	78	24	20	12	9	3	0	0	67
34-41	3	41	123	9	7	4	10	0	0	0	30
Total				242	136	112	35	30	6	0	562
Migratory Timing: estimated from the weekly proportion of stock-specific CPUE.											
25				0.081	0.000	0.090	0.013	0.120	0.114	0.000	0.061
26				0.109	0.014	0.132	0.073	0.143	0.151	0.000	0.090
27				0.065	0.006	0.083	0.018	0.128	0.273	0.000	0.058
28				0.115	0.048	0.150	0.029	0.172	0.210	0.000	0.104
29				0.153	0.118	0.088	0.128	0.177	0.134	0.000	0.131
30				0.116	0.153	0.058	0.083	0.048	0.111	0.000	0.108
31				0.105	0.264	0.145	0.087	0.072	0.000	0.000	0.147
32				0.118	0.205	0.114	0.013	0.052	0.000	0.000	0.127
33				0.101	0.143	0.103	0.256	0.086	0.000	0.000	0.119
34-41				0.037	0.048	0.036	0.298	0.000	0.008	0.000	0.053
Total				1.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000

Appendix C3.—Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan Subdistrict 106-41 drift gillnet fishery, 1991.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard	90% C.I. ^b	
		1,2	1,3	2,2	2,3	0,	Other			Error ^b	Lower	Upper
6/16-6/22	Alaska I	105	822	20	131	0	9	1,088	24.6	224.5	719	1,457
Week 25	Alaska II	0	154	0	0	0	1	155	3.5	168.5	0	432
	Nass	502	222	203	460	0	12	1,399	31.6	208.4	1,056	1,742
	Skeena	0	273	31	0	0	3	307	6.9	166.2	33	580
	Tahltan	0	1,002	0	0	0	9	1,010	22.8	220.2	648	1,373
	Stikine	32	373	0	0	56	4	465	10.5	262.3	33	896
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	639	2,846	254	592	56	38	4,424				
	6/23-6/29	Alaska I	135	1,574	129	322	0	0	2,161	16.3	515.9	1,312
Week 26	Alaska II	0	394	0	0	0	0	394	3.0	414.5	0	1,075
	Nass	988	831	1,304	1,130	0	0	4,253	32.0	556.9	3,337	5,169
	Skeena	0	778	197	0	0	0	976	7.3	509.6	137	1,814
	Tahltan	93	5,168	0	0	0	0	5,261	39.6	664.2	4,169	6,354
	Stikine	237	0	0	0	0	0	237	1.8	90.9	87	386
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,453	8,745	1,630	1,453	0	0	13,281				
	6/30-7/06	Alaska I	123	1,555	279	263	0	13	2,233	28.5	291.8	1,753
Week 27	Alaska II	0	0	0	0	0	0	0	0.0	0.0	0	0
	Nass	896	791	501	676	0	17	2,881	36.8	305.6	2,379	3,384
	Skeena	0	232	220	0	0	3	455	5.8	217.2	98	812
	Tahltan	84	1,890	0	0	0	12	1,986	25.4	305.0	1,485	2,488
	Stikine	215	0	0	0	61	1	277	3.5	85.6	136	417
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,318	4,469	1,000	939	61	45	7,832				
	7/07-7/13	Alaska I	938	3,262	430	709	0	24	5,363	35.4	716.4	4,185
Week 28	Alaska II	0	1,343	0	0	0	6	1,349	8.9	643.5	291	2,408
	Nass	1,194	1,938	772	730	0	21	4,655	30.7	739.8	3,438	5,872
	Skeena	86	1,573	339	0	0	9	2,008	13.3	609.5	1,005	3,010
	Tahltan	0	1,477	0	0	0	7	1,484	9.8	517.6	633	2,336
	Stikine	180	0	0	0	103	1	283	1.9	200.5	0	613
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	2,398	9,593	1,542	1,439	103	69	15,143				
	7/14-7/20	Alaska I	767	2,743	388	547	0	0	4,444	37.3	688.5	3,312
Week 29	Alaska II	0	1,314	0	0	0	0	1,314	11.0	628.8	280	2,349
	Nass	276	2,620	229	562	0	0	3,687	31.0	777.1	2,408	4,965
	Skeena	75	1,014	131	0	0	0	1,220	10.2	543.0	327	2,113
	Tahltan	15	123	0	0	0	0	138	1.2	421.3	0	831
	Stikine	0	1,006	0	0	96	0	1,102	9.3	883.4	0	2,555
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,133	8,820	747	1,109	96	0	11,905				
	7/21-7/27	Alaska I	621	2,594	527	557	0	17	4,315	33.2	776.3	3,038
Week 30	Alaska II	0	4,112	0	0	0	16	4,128	31.8	882.9	2,676	5,581
	Nass	224	848	311	533	0	7	1,923	14.8	659.8	838	3,008
	Skeena	61	641	178	0	0	3	883	6.8	472.2	106	1,659
	Tahltan	12	1,272	0	0	0	5	1,289	9.9	544.2	394	2,184
	Stikine	0	394	0	0	50	2	446	3.4	904.7	0	1,934
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	917	9,862	1,016	1,090	50	50	12,984				
	7/28-8/03	Alaska I	340	2,181	263	460	0	13	3,258	32.3	587.9	2,291
Week 31	Alaska II	0	3,151	0	0	0	13	3,164	31.4	709.9	1,996	4,331
	Nass	246	1,515	535	440	0	11	2,747	27.3	564.3	1,819	3,675
	Skeena	0	318	0	0	0	1	319	3.2	334.3	0	869
	Tahltan	0	0	0	0	0	0	0	0.0	0.0	0	0
	Stikine	131	409	0	0	41	2	583	5.8	696.5	0	1,729
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	716	7,574	798	901	41	41	10,071				
	8/04-8/10	Alaska I	106	680	129	279	0	3	1,196	29.9	216.2	840
Week 32	Alaska II	0	1,604	0	0	0	3	1,608	40.2	267.0	1,169	2,047
	Nass	77	552	262	87	0	2	979	24.5	221.0	616	1,343
	Skeena	0	84	0	0	0	0	84	2.1	110.4	0	265
	Tahltan	0	63	0	0	0	0	63	1.6	90.6	0	212
	Stikine	41	0	0	0	33	0	74	1.9	28.7	27	122
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	224	2,982	390	366	33	8	4,004				

-continued-

Appendix C3.–Page 2 of 2.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard Error ^b	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other				Lower	Upper
8/11-8/17	Alaska I	263	954	106	396	0	7	1,727	34.8	239.3	1,333	2,121
Week 33	Alaska II	0	822	0	0	0	3	825	16.6	255.5	405	1,246
	Nass	153	696	362	124	0	6	1,341	27.0	263.0	908	1,773
	Skeena	41	752	11	0	0	3	807	16.2	225.6	436	1,178
	Tahltan	0	258	0	0	0	1	259	5.2	160.3	0	523
	Stikine	0	0	0	0	10	0	10	0.2	10.4	0	27
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	457	3,482	479	520	10	21	4,969				
	8/18-10/12	Alaska I	291	774	126	346	0	0	1,537	32.4	212.6	1,187
Week 34-41	Alaska II	0	655	0	0	0	0	655	13.8	232.5	272	1,037
	Nass	169	616	428	99	0	0	1,313	27.7	229.6	935	1,690
	Skeena	45	1,180	13	0	0	0	1,238	26.1	218.9	878	1,598
	Tahltan	0	0	0	0	0	0	0	0.0	0.0	0	0
	Stikine	0	0	0	0	0	0	0	0.0	0.0	0	0
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	506	3,224	567	446	0	0	4,743				
	Season	Alaska I	3,688	17,139	2,397	4,011	0	86	27,322	30.6	1,577	24,728
Alaska II		0	13,548	0	0	0	43	13,591	15.2	1,576	10,999	16,184
Totals	Nass	4,726	10,628	4,906	4,842	0	76	25,178	28.2	1,588	22,566	27,791
	Skeena	307	6,846	1,120	0	0	23	8,296	9.3	1,203	6,318	10,275
	Tahltan	204	11,254	0	0	0	33	11,491	12.9	1,165	9,574	13,408
	Stikine	836	2,182	0	0	450	9	3,477	3.9	1,486	1,032	5,922
	Tuya	0	0	0	0	0	0	0	0.0	0	0	0
	Total	9,761	61,598	8,423	8,853	450	271	89,356				

^a Percents may not sum to 100.

^b The standard errors are minimum estimates since no estimates of the variance for stocks contributing 0 fish during a given week or for the 'other' age class are available. The 90% confidence intervals are affected in a like manner.

Appendix C4.—Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska Subdistrict 106-41 drift gillnet fishery, 1991.

Stat Week	Days Open	Number Boats	Boat Days	Stock Group							Total
				Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	Tuya	
Catch per Boat Day											
25	2	43	86	13	2	16	4	12	5	0	51
26	2	57	114	19	3	37	9	46	2	0	117
27	2	74	148	15	0	19	3	13	2	0	53
28	2	76	152	35	9	31	13	10	2	0	100
29	2	81	162	27	8	23	8	1	7	0	73
30	2	68	136	32	30	14	6	9	3	0	95
31	2	68	136	24	23	20	2	0	4	0	74
32	2	50	100	12	16	10	1	1	1	0	40
33	2	38	76	23	11	18	11	3	0	0	65
34-41	21	346	7266	0	0	0	0	0	0	0	1
Total				200	103	188	56	95	26	0	670
Migratory Timing: estimated from the weekly proportion of stock-specific CPUE											
25				0.063	0.018	0.086	0.063	0.123	0.204	0.000	0.077
26				0.095	0.034	0.198	0.152	0.484	0.078	0.000	0.174
27				0.075	0.000	0.103	0.055	0.141	0.071	0.000	0.079
28				0.176	0.086	0.163	0.234	0.102	0.070	0.000	0.149
29				0.137	0.079	0.121	0.133	0.009	0.257	0.000	0.110
30				0.159	0.295	0.075	0.115	0.099	0.124	0.000	0.143
31				0.120	0.226	0.107	0.042	0.000	0.162	0.000	0.111
32				0.060	0.156	0.052	0.015	0.007	0.028	0.000	0.060
33				0.114	0.106	0.094	0.188	0.036	0.005	0.000	0.098
34-41				0.001	0.001	0.001	0.003	0.000	0.000	0.000	0.001
Total				1.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000

Appendix C5.—Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan District 108 drift gillnet fishery, 1991.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard Error ^b	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other				Lower	Upper
6/16-6/22	Alaska I	0	0	1	5	0	0	6	1.6	2.8	1	10
Week 25	Alaska II	0	11	0	0	0	0	11	3.0	12.1	0	31
	Nass	0	23	1	3	0	0	26	7.3	17.0	0	54
	Skeena	0	51	0	0	0	1	52	14.5	21.5	17	87
	Tahltan	13	232	1	0	0	3	249	69.5	22.1	213	286
	Stikine	8	0	0	0	6	0	15	4.0	4.8	7	22
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	22	317	2	8	6	4	359				
6/23-6/29	Alaska I	0	43	6	12	0	0	61	4.2	61.1	0	162
Week 26	Alaska II	0	17	0	0	0	0	17	1.2	61.3	0	118
	Nass	0	73	6	7	0	0	86	5.9	88.9	0	232
	Skeena	0	152	0	0	0	0	152	10.4	82.0	17	287
	Tahltan	98	836	6	0	0	0	940	64.4	113.0	754	1,125
	Stikine	61	114	0	0	28	0	203	13.9	98.2	41	364
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	159	1,235	19	19	28	0	1,459				
6/30-7/06	Alaska I	93	586	53	168	0	5	905	14.5	323.9	372	1,438
Week 27	Alaska II	0	652	0	0	0	3	656	10.5	332.1	110	1,202
	Nass	0	0	56	93	0	1	150	2.4	53.8	61	238
	Skeena	0	637	0	0	0	3	641	10.2	364.4	41	1,240
	Tahltan	394	3,125	53	0	0	19	3,591	57.4	407.0	2,921	4,260
	Stikine	77	97	0	0	141	1	316	5.1	354.4	0	899
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	564	5,098	163	260	141	33	6,258				
7/07-7/13	Alaska I	21	377	39	106	0	0	543	15.6	179.6	248	839
Week 28	Alaska II	0	128	0	0	0	0	128	3.7	152.6	0	379
	Nass	0	66	42	47	0	0	155	4.4	169.9	0	434
	Skeena	0	32	0	0	0	0	32	0.9	135.4	0	255
	Tahltan	166	1,669	39	0	0	0	1,874	53.8	236.6	1,485	2,263
	Stikine	238	385	0	0	131	0	754	21.6	240.4	359	1,150
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	425	2,658	120	153	131	0	3,486				
7/14-7/20	Alaska I	11	265	23	89	0	0	388	13.4	119.5	192	585
Week 29	Alaska II	0	68	0	0	0	0	68	2.4	120.8	0	267
	Nass	0	318	25	39	0	0	381	13.2	135.2	159	604
	Skeena	0	0	0	0	0	0	0	0.0	0.0	0	0
	Tahltan	86	688	23	0	0	0	797	27.6	122.3	596	998
	Stikine	124	852	0	0	277	0	1,253	43.4	241.9	855	1,651
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	221	2,191	71	128	277	0	2,888				
7/21-10/12	Alaska I	72	32	52	96	0	3	254	7.2	123.9	51	458
Wks. 30-41	Alaska II	0	127	0	0	0	1	128	3.6	137.5	0	354
	Nass	30	274	56	42	0	4	406	11.5	136.6	181	630
	Skeena	0	0	0	0	0	0	0	0.0	0.0	0	0
	Tahltan	49	78	52	0	0	2	181	5.1	92.9	28	334
	Stikine	353	1,598	0	0	596	20	2,568	72.6	277.0	2,112	3,024
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	504	2,108	160	138	596	31	3,537				
Season Totals	Alaska I	197	1,304	175	475	0	8	2,158	12.0	413	1,479	2,838
	Alaska II	0	1,003	0	0	0	5	1,007	5.6	413	327	1,688
	Nass	30	754	186	230	0	5	1,204	6.7	277	748	1,660
	Skeena	0	872	0	0	0	4	876	4.9	398	222	1,531
	Tahltan	806	6,628	174	0	0	24	7,632	42.4	508	6,796	8,468
	Stikine	862	3,046	0	0	1,179	22	5,109	28.4	573	4,167	6,052
	Tuya	0	0	0	0	0	0	0	0.0	0	0	0
Total	1,894	13,607	535	705	1,179	67	17,987					

^a Percents may not sum to 100.

^b The standard errors are minimum estimates since no estimates of the variance for stocks contributing 0 fish during a given week or for the 'other' age class are available. The 90% confidence intervals are affected in a like manner.

Appendix C6.—Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska District 108 drift gillnet fishery, 1991.

Stat Week	Days Open	Number Boats	Boat Days	Stock Group							Total
				Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	Tuya	
Catch per Boat Day											
25	2	7	14	0	1	2	4	18	1	0	26
26	2	10	20	3	1	4	8	47	10	0	73
27	3	65	104	9	6	1	6	35	3	0	60
28	4	23	46	12	3	3	1	41	16	0	76
29	6.5	19	123	3	1	3	0	6	10	0	23
30-41	31	140	336	1	0	1	0	1	8	0	11
Total				28	12	15	18	147	48	0	268
Migratory Timing: estimated from the weekly proportion of stock-specific CPUE											
25				0.015	0.067	0.123	0.204	0.121	0.021	0.000	0.096
26				0.110	0.074	0.281	0.418	0.319	0.209	0.000	0.272
27				0.312	0.541	0.094	0.339	0.235	0.063	0.000	0.224
28				0.423	0.238	0.220	0.038	0.277	0.339	0.000	0.282
29				0.113	0.047	0.202	0.000	0.044	0.210	0.000	0.087
30-41				0.027	0.033	0.079	0.000	0.004	0.158	0.000	0.039
Total				1.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000

Appendix C7.—Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan District 108 test drift gillnet fishery, 1991.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard Error ^b	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other				Lower	Upper
6/16-6/22	Alaska I	0	0	0	1	0	0	2	1.6	0.7	0	3
Week 25	Alaska II	0	3	0	0	0	0	3	3.0	3.1	0	8
	Nass	0	6	0	1	0	0	7	7.3	4.4	0	14
	Skeena	0	13	0	0	0	0	13	14.5	5.6	4	23
	Tahltan	3	60	0	0	0	1	65	69.5	5.7	55	74
	Stikine	2	0	0	0	2	0	4	4.0	1.2	2	6
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	6	82	1	2	2	1	93				
	6/23-6/29	Alaska I	0	8	1	2	0	0	11	4.2	10.8	0
Week 26	Alaska II	0	3	0	0	0	0	3	1.2	10.8	0	21
	Nass	0	13	1	1	0	0	15	5.9	15.7	0	41
	Skeena	0	27	0	0	0	0	27	10.4	14.4	3	51
	Tahltan	17	147	1	0	0	0	166	64.4	19.9	133	198
	Stikine	11	20	0	0	5	0	36	13.9	17.3	7	64
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	28	217	3	3	5	0	257				
	6/30-7/06	Alaska I	14	87	8	25	0	1	134	14.5	47.9	55
Week 27	Alaska II	0	96	0	0	0	1	97	10.5	49.1	16	178
	Nass	0	0	8	14	0	0	22	2.4	8.0	9	35
	Skeena	0	94	0	0	0	1	95	10.2	53.9	6	183
	Tahltan	58	462	8	0	0	3	531	57.4	60.2	432	630
	Stikine	11	14	0	0	21	0	47	5.1	52.4	0	133
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	83	753	24	38	21	5	925				
	7/07-7/13	Alaska I	1	23	2	6	0	0	33	15.6	11.0	15
Week 28	Alaska II	0	8	0	0	0	0	8	3.7	9.3	0	23
	Nass	0	4	3	3	0	0	9	4.4	10.4	0	27
	Skeena	0	2	0	0	0	0	2	0.9	8.3	0	16
	Tahltan	10	102	2	0	0	0	115	53.8	14.5	91	138
	Stikine	15	24	0	0	8	0	46	21.6	14.7	22	70
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	26	162	7	9	8	0	213				
	7/14-7/20	Alaska I	9	224	20	75	0	0	328	13.4	101.0	162
Week 29	Alaska II	0	57	0	0	0	0	57	2.4	102.0	0	225
	Nass	0	268	21	33	0	0	322	13.2	114.2	134	510
	Skeena	0	0	0	0	0	0	0	0.0	0.0	0	0
	Tahltan	73	581	20	0	0	0	673	27.6	103.3	504	843
	Stikine	105	720	0	0	234	0	1,059	43.4	204.4	723	1,395
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	186	1,851	60	108	234	0	2,440				
	7/21-7/27	Alaska I	24	11	18	32	0	1	86	7.2	41.9	17
Week 30	Alaska II	0	43	0	0	0	0	43	3.6	46.4	0	120
	Nass	10	93	19	14	0	1	137	11.5	46.2	61	213
	Skeena	0	0	0	0	0	0	0	0.0	0.0	0	0
	Tahltan	17	26	18	0	0	1	61	5.1	31.4	10	113
	Stikine	119	540	0	0	201	7	868	72.6	93.6	714	1,022
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	170	712	54	46	201	10	1,195				
	7/28-10/12	Alaska I	1	1	1	2	0	0	4	7.2	2.3	0
Wks. 31-42	Alaska II	0	2	0	0	0	0	2	3.6	2.3	0	6
	Nass	0	4	1	1	0	0	7	11.5	2.3	3	10
	Skeena	0	0	0	0	0	0	0	0.0	0.0	0	0
	Tahltan	1	1	1	0	0	0	3	5.1	1.6	0	6
	Stikine	6	26	0	0	10	0	42	72.6	4.8	34	50
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	8	35	3	2	10	1	58				
	Season Totals	Alaska I	50	353	50	144	0	2	597	11.5	120	399
Alaska II		0	212	0	0	0	1	213	4.1	123	11	416
Nass		11	388	53	66	0	2	520	10.0	125	314	725
Skeena		0	136	0	0	0	1	137	2.6	57	44	230
Tahltan		179	1,380	50	0	0	4	1,613	31.1	126	1,405	1,821
Stikine		269	1,344	0	0	481	7	2,101	40.6	232	1,719	2,483
Tuya		0	0	0	0	0	0	0	0.0	0	0	0
Total		508	3,813	152	210	481	17	5,181				

^a Percents may not sum to 100.

^b The standard errors are minimum estimates since no estimates of the variance for stocks contributing 0 fish during a given week or for the 'other' age class are available. The 90% confidence intervals are affected in a like manner.

Appendix C8.—Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan Subdistrict 106-30 drift gillnet fishery, 1992.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other			Error ^b	Lower	Upper
6/21-6/27	Alaska I	34	1,025	17	64	0	8	1,149	66.7	121.9	949	1,350
Week 26	Alaska II	0	0	0	0	0	0	0	0.0	0.0	0	0
	Nass	69	186	14	43	0	2	314	18.3	74.3	192	437
	Skeena	0	0	6	37	0	0	44	2.5	15.7	18	69
	Tahltan	0	99	3	2	0	1	104	6.1	58.6	8	201
	Stikine	0	78	2	0	30	1	111	6.4	103.0	0	280
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	103	1,387	43	146	30	12	1,722				
	6/28-7/04	Alaska I	225	2,102	219	332	0	7	2,885	39.6	442.8	2,157
Week 27	Alaska II	0	303	0	0	0	1	303	4.2	308.6	0	811
	Nass	457	814	181	220	0	4	1,676	23.0	410.8	1,000	2,352
	Skeena	0	574	74	193	0	2	843	11.6	386.2	208	1,478
	Tahltan	0	214	44	8	0	1	267	3.7	241.6	0	665
	Stikine	0	1,210	24	0	70	3	1,307	17.9	462.7	546	2,068
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	683	5,216	543	753	70	18	7,282				
	7/05-7/11	Alaska I	315	6,058	369	500	0	27	7,269	56.2	880.6	5,821
Week 28	Alaska II	0	137	0	0	0	1	137	1.1	557.2	0	1,054
	Nass	876	711	306	331	0	8	2,232	17.2	607.2	1,233	3,231
	Skeena	33	118	125	290	0	2	569	4.4	495.7	0	1,385
	Tahltan	143	355	75	12	0	2	588	4.5	428.3	0	1,293
	Stikine	223	1,731	40	0	145	8	2,146	16.6	841.5	762	3,530
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,591	9,110	916	1,133	145	48	12,942				
	7/12-7/18	Alaska I	344	3,578	271	513	0	40	4,748	69.0	393.2	4,101
Week 29	Alaska II	0	0	0	0	0	0	0	0.0	0.0	0	0
	Nass	194	0	78	51	0	3	327	4.7	87.5	183	471
	Skeena	0	0	8	355	0	3	367	5.3	125.4	160	573
	Tahltan	43	0	10	0	0	0	54	0.8	35.4	0	112
	Stikine	0	1,270	0	69	39	11	1,390	20.2	385.4	756	2,024
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	582	4,849	368	989	39	58	6,885				
	7/19-7/25	Alaska I	607	5,188	881	665	0	95	7,435	68.8	653.8	6,360
Week 30	Alaska II	0	1,119	0	0	0	14	1,133	10.5	544.5	237	2,029
	Nass	343	0	255	364	0	12	974	9.0	159.4	711	1,236
	Skeena	0	252	28	315	0	8	601	5.6	269.2	159	1,044
	Tahltan	76	0	34	0	0	1	111	1.0	79.6	0	242
	Stikine	0	433	0	25	85	6	550	5.1	547.8	0	1,451
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,026	6,992	1,197	1,368	85	137	10,804				
	7/26-8/01	Alaska I	346	1,721	478	253	0	23	2,821	45.8	340.4	2,262
Week 31	Alaska II	0	1,157	0	0	0	9	1,167	18.9	305.8	663	1,670
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0
	Skeena	260	522	71	405	0	10	1,268	20.6	217.1	911	1,625
	Tahltan	66	0	0	0	0	1	66	1.1	73.6	0	187
	Stikine	214	382	0	240	0	7	843	13.7	315.9	323	1,363
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	886	3,781	549	899	0	50	6,165				
	8/02-8/08	Alaska I	199	1,224	351	232	0	8	2,014	46.3	229.0	1,637
Week 32	Alaska II	0	636	0	0	0	3	638	14.7	189.8	326	951
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0
	Skeena	231	265	126	79	0	3	704	16.2	143.7	468	941
	Tahltan	10	0	0	13	0	0	23	0.5	72.2	0	142
	Stikine	513	239	49	167	0	4	973	22.3	224.5	603	1,342
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	954	2,364	526	491	0	18	4,353				
	8/09-8/15	Alaska I	214	1,146	195	91	0	3	1,649	51.7	167.7	1,373
Week 33	Alaska II	0	365	0	0	0	1	366	11.5	122.8	164	568
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0
	Skeena	159	361	73	174	0	1	769	24.1	114.1	581	956
	Tahltan	0	0	0	0	0	0	0	0.0	0.0	0	0
	Stikine	266	0	57	80	0	1	403	12.7	82.2	268	538
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	638	1,873	325	346	0	5	3,187				

-continued-

Appendix C8.–Page 2 of 2.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard Error ^b	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other				Lower	Upper
8/16-8/22	Alaska I	112	325	137	60	0	2	637	49.2	63.2	533	741
Week 34	Alaska II	0	75	0	0	0	0	76	5.8	40.5	9	142
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0
	Skeena	160	151	46	50	0	1	410	31.7	45.5	335	485
	Tahltan	0	0	0	0	0	0	0	0.0	0.0	0	0
	Stikine	35	42	33	62	0	1	172	13.3	55.1	81	263
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	307	593	216	173	0	4	1,294				
8/23-10/03	Alaska I	144	443	131	87	0	3	807	42.2	89.5	660	954
Wks. 35-40	Alaska II	0	144	0	0	0	1	145	7.6	55.6	53	236
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0
	Skeena	205	374	101	73	0	3	756	39.5	72.7	636	875
	Tahltan	0	0	0	0	0	0	0	0.0	0.0	0	0
	Stikine	44	0	70	90	0	1	205	10.7	53.2	118	293
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	393	960	302	250	0	8	1,913				
	Alaska I	2,542	22,811	3,049	2,797	0	217	31,415	55.6	1,333	29,223	33,608
	Alaska II	0	3,935	0	0	0	29	3,965	7.0	923	2,447	5,483
Season	Nass	1,940	1,710	835	1,008	0	30	5,523	9.8	759	4,275	6,772
Totals	Skeena	1,049	2,617	659	1,972	0	34	6,330	11.2	756	5,087	7,574
	Tahltan	338	668	167	35	0	6	1,214	2.1	513	370	2,058
	Stikine	1,295	5,385	275	733	369	41	8,099	14.3	1,243	6,055	10,144
	Tuya	0	0	0	0	0	0	0	0.0	0	0	0
	Total	7,164	37,125	4,985	6,546	369	358	56,547				

^a Percents may not sum to 100.

^b The standard errors are minimum estimates since no estimates of the variance for stocks contributing 0 fish during a given week or for the 'other' age class are available. The 90% confidence intervals are affected in a like manner.

Appendix C9.—Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska Subdistrict 106-30 drift gillnet fishery, 1992.

Stat Week	Days Open	Number Boats	Boat Days	Stock Group							Total
				Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	Tuya	
Catch per Boat Day											
26	2	27	54	21	0	6	1	2	2	0	32
27	4	32	128	23	2	13	7	2	10	0	57
28	3	45	135	54	1	17	4	4	16	0	96
29	3	40	120	40	0	3	3	0	12	0	57
30	3	40	120	62	9	8	5	1	5	0	90
31	3	32	96	29	12	0	13	1	9	0	64
32	2	58	116	17	6	0	6	0	8	0	38
33	2	36	72	23	5	0	11	0	6	0	44
34	2	37	74	9	1	0	6	0	2	0	17
35-40	16	244	3904	0	0	0	0	0	0	0	0
Total				278	37	46	55	11	69	0	496
Migratory Timing: estimated from the weekly proportion of stock-specific CPUE											
26				0.077	0.000	0.126	0.015	0.182	0.029	0.000	0.064
27				0.081	0.065	0.283	0.119	0.196	0.147	0.000	0.115
28				0.194	0.028	0.357	0.076	0.410	0.229	0.000	0.193
29				0.142	0.000	0.059	0.055	0.042	0.167	0.000	0.116
30				0.223	0.258	0.175	0.091	0.087	0.066	0.000	0.181
31				0.106	0.332	0.000	0.239	0.065	0.126	0.000	0.129
32				0.063	0.150	0.000	0.110	0.019	0.121	0.000	0.076
33				0.083	0.139	0.000	0.193	0.000	0.081	0.000	0.089
34				0.031	0.028	0.000	0.100	0.000	0.033	0.000	0.035
35-40				0.001	0.001	0.000	0.003	0.000	0.001	0.000	0.001
Total				1.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000

Appendix C10.—Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan Subdistrict 106-41 drift gillnet fishery, 1992.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other			Error ^b	Lower	Upper
6/21-6/27	Alaska I	38	1,336	78	194	0	0	1,646	25.5	423.2	950	2,342
Week 26	Alaska II	0	0	0	0	0	0	0	0.0	0.0	0	0
	Nass	80	895	56	105	0	0	1,136	17.6	412.8	457	1,816
	Skeena	48	305	26	69	0	0	449	7.0	469.1	0	1,221
	Tahltan	19	2,542	22	239	0	0	2,821	43.7	435.6	2,104	3,538
	Stikine	10	376	0	0	12	0	398	6.2	329.9	0	941
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	194	5,455	182	607	12	0	6,451				
	6/28-7/04	Alaska I	793	6,064	659	534	0	35	8,085	27.0	1,646.8	5,376
Week 27	Alaska II	0	733	0	0	0	3	736	2.5	1,090.5	0	2,530
	Nass	1,697	1,621	478	289	0	18	4,102	13.7	1,770.0	1,191	7,014
	Skeena	1,019	5,397	222	190	0	30	6,858	22.9	2,110.4	3,386	10,329
	Tahltan	399	4,087	182	656	0	23	5,346	17.8	1,457.9	2,948	7,744
	Stikine	201	4,309	0	0	321	20	4,851	16.2	1,763.7	1,950	7,752
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	4,108	22,211	1,541	1,669	321	128	29,978				
	7/05-7/11	Alaska I	839	9,730	720	1,362	0	0	12,651	53.8	1,492.6	10,195
Week 28	Alaska II	0	921	0	0	0	0	921	3.9	940.2	0	2,468
	Nass	1,257	1,972	521	177	0	0	3,926	16.7	1,158.2	2,021	5,832
	Skeena	0	517	242	283	0	0	1,042	4.4	1,008.7	0	2,701
	Tahltan	380	2,327	198	366	0	0	3,271	13.9	929.6	1,742	4,800
	Stikine	468	695	0	335	187	0	1,685	7.2	1,218.1	0	3,689
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	2,943	16,163	1,682	2,523	187	0	23,497				
	7/12-7/18	Alaska I	530	14,443	1,473	1,928	0	106	18,480	70.0	1,703.9	15,678
Week 29	Alaska II	0	1,964	0	0	0	11	1,975	7.5	1,267.0	0	4,059
	Nass	794	807	204	250	0	12	2,067	7.8	1,142.6	188	3,947
	Skeena	0	1,138	514	400	0	12	2,063	7.8	980.9	450	3,677
	Tahltan	240	0	43	518	0	5	805	3.1	268.9	363	1,248
	Stikine	296	0	29	475	201	5	1,006	3.8	355.5	421	1,591
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,860	18,352	2,263	3,570	201	151	26,397				
	7/19-7/25	Alaska I	1,103	9,962	1,615	2,076	0	53	14,810	60.3	1,443.8	12,435
Week 30	Alaska II	0	3,839	0	0	0	14	3,852	15.7	1,128.8	1,996	5,709
	Nass	721	335	223	972	0	8	2,260	9.2	903.6	774	3,747
	Skeena	0	1,097	563	373	0	7	2,040	8.3	820.2	691	3,389
	Tahltan	198	0	47	0	0	1	246	1.0	186.5	0	553
	Stikine	806	0	32	234	261	4	1,337	5.4	444.9	606	2,069
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	2,829	15,232	2,481	3,656	261	87	24,546				
	7/26-8/01	Alaska I	993	6,023	1,163	1,457	0	114	9,750	49.3	1,081.8	7,971
Week 31	Alaska II	0	2,711	0	0	0	32	2,744	13.9	905.2	1,255	4,233
	Nass	649	0	0	0	0	8	657	3.3	162.8	389	925
	Skeena	0	2,363	391	1,220	0	47	4,021	20.3	705.9	2,860	5,182
	Tahltan	178	0	0	131	0	4	313	1.6	257.8	0	737
	Stikine	726	900	182	394	77	26	2,305	11.6	943.2	753	3,856
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	2,546	11,997	1,736	3,202	77	231	19,790				
	8/02-8/08	Alaska I	285	2,776	452	655	0	36	4,205	57.9	443.2	3,476
Week 32	Alaska II	0	850	0	0	0	7	857	11.8	337.4	302	1,412
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0
	Skeena	352	496	152	428	0	12	1,440	19.8	264.7	1,005	1,875
	Tahltan	0	84	0	0	0	1	85	1.2	211.8	0	433
	Stikine	572	0	71	0	31	6	679	9.4	168.9	402	957
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,208	4,206	675	1,083	31	63	7,266				
	8/09-8/15	Alaska I	309	1,098	251	129	0	14	1,801	45.8	210.1	1,456
Week 33	Alaska II	0	333	0	0	0	3	335	8.5	169.1	57	614
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0
	Skeena	309	182	144	133	0	6	773	19.6	122.4	572	975
	Tahltan	0	0	0	0	0	0	0	0.0	0.0	0	0
	Stikine	150	605	49	198	15	8	1,027	26.1	203.7	692	1,362
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	767	2,218	445	460	15	31	3,937				

-continued-

Appendix C10.–Page 2 of 2.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other			Error ^b	Lower	Upper
8/16-8/22	Alaska I	131	429	202	53	0	8	823	44.0	86.6	681	966
Week 34	Alaska II	0	10	0	0	0	0	10	0.5	52.5	0	96
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0
	Skeena	238	268	146	62	0	7	720	38.5	258.3	295	1,145
	Tahltan	0	0	0	0	0	0	0	0.0	0.0	0	0
	Stikine	49	190	10	63	3	3	319	17.0	81.7	185	453
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	418	898	358	177	3	17	1,872				
8/23-10/03	Alaska I	79	770	30	107	0	16	1,003	34.9	149.0	758	1,248
Wks. 35-40	Alaska II	0	0	0	0	0	0	0	0.0	0.0	0	0
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0
	Skeena	144	955	204	124	0	24	1,450	50.5	125.9	1,243	1,657
	Tahltan	0	0	0	0	0	0	0	0.0	0.0	0	0
	Stikine	30	181	77	126	0	7	421	14.7	120.4	223	620
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	252	1,906	311	358	0	47	2,874				
Season	Alaska I	5,099	52,631	6,644	8,497	0	384	73,254	50.0	3,398	67,664	78,844
	Alaska II	0	11,360	0	0	0	71	11,431	7.8	2,433	7,429	15,432
	Nass	5,199	5,630	1,482	1,793	0	45	14,150	9.7	2,606	9,862	18,437
	Skeena	2,108	12,720	2,603	3,281	0	145	20,856	14.2	2,827	16,206	25,507
	Tahltan	1,413	9,040	492	1,909	0	33	12,888	8.8	1,843	9,856	15,920
	Stikine	3,307	7,257	452	1,825	1,110	78	14,029	9.6	2,451	9,997	18,061
	Tuya	0	0	0	0	0	0	0	0.0	0	0	0
Totals	17,127	98,638	11,673	17,305	1,110	756	146,608					

^a Percents may not sum to 100.

^b The standard errors are minimum estimates since no estimates of the variance for stocks contributing 0 fish during a given week or for the 'other' age class are available. The 90% confidence intervals are affected in a like manner.

Appendix C11.—Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska Subdistrict 106-41 drift gillnet fishery, 1992.

Stat Week	Days Open	Number Boats	Boat Days	Stock Group							Total
				Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	Tuya	
Catch per Boat Day											
26	2	57	114	14	0	10	4	25	3	0	57
27	4	68	272	30	3	15	25	20	18	0	110
28	3	72	216	59	4	18	5	15	8	0	109
29	3	79	237	78	8	9	9	3	4	0	111
30	3	79	237	63	16	10	9	1	6	0	104
31	3	94	282	35	10	2	14	1	8	0	70
32	2	61	122	34	7	0	12	1	6	0	60
33	2	48	96	19	3	0	8	0	11	0	41
34	2	44	88	9	0	0	8	0	4	0	21
35-40	16	352	5632	0	0	0	0	0	0	0	1
Total				341	52	64	94	66	67	0	683
Migratory Timing: estimated from the weekly proportion of stock-specific CPUE											
26				0.042	0.000	0.156	0.042	0.376	0.052	0.000	0.083
27				0.087	0.052	0.236	0.269	0.299	0.266	0.000	0.161
28				0.172	0.082	0.285	0.051	0.230	0.116	0.000	0.159
29				0.229	0.161	0.137	0.093	0.052	0.063	0.000	0.163
30				0.183	0.313	0.149	0.092	0.016	0.084	0.000	0.152
31				0.102	0.187	0.037	0.152	0.017	0.122	0.000	0.103
32				0.101	0.135	0.000	0.126	0.011	0.083	0.000	0.087
33				0.055	0.067	0.000	0.086	0.000	0.159	0.000	0.060
34				0.027	0.002	0.000	0.087	0.000	0.054	0.000	0.031
35-40				0.001	0.000	0.000	0.003	0.000	0.001	0.000	0.001
Total				1.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000

Appendix C12.—Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan District 108 drift gillnet fishery, 1992.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other			Error ^b	Lower	Upper
6/21-6/27	Alaska I	3	212	10	18	0	0	242	6.6	183.5	0	544
Week 26	Alaska II	0	86	0	0	0	0	86	2.3	123.4	0	289
	Nass	1	692	0	2	0	0	695	18.9	218.4	335	1,054
	Skeena	0	0	1	6	0	0	7	0.2	12.1	0	27
	Tahltan	8	2,042	2	86	0	0	2,138	58.3	236.3	1,749	2,527
	Stikine	4	394	3	20	77	0	499	13.6	211.3	151	846
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	15	3,426	15	131	77	0	3,666				
	6/28-7/04	Alaska I	32	991	87	35	0	3	1,148	15.1	416.3	463
Week 27	Alaska II	0	0	0	0	0	0	0	0.0	0.0	0	0
	Nass	13	249	0	3	0	1	266	3.5	350.0	0	842
	Skeena	0	0	8	12	0	0	20	0.3	26.3	0	63
	Tahltan	98	4,192	19	172	0	11	4,491	59.1	474.7	3,710	5,272
	Stikine	50	1,307	25	41	245	3	1,672	22.0	427.6	969	2,376
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	193	6,739	140	263	245	18	7,597				
	7/05-7/11	Alaska I	168	1,436	131	115	0	3	1,853	14.6	567.7	919
Week 28	Alaska II	0	0	0	0	0	0	0	0.0	0.0	0	0
	Nass	67	0	0	10	0	0	78	0.6	84.5	0	217
	Skeena	0	0	12	39	0	0	51	0.4	81.4	0	185
	Tahltan	518	3,830	29	562	0	7	4,946	38.9	505.0	4,115	5,776
	Stikine	265	4,504	38	133	824	7	5,772	45.4	647.6	4,706	6,837
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,017	9,770	210	859	824	18	12,699				
	7/12-7/18	Alaska I	440	1,869	200	265	0	10	2,785	24.1	677.7	1,670
Week 29	Alaska II	0	447	0	0	0	2	449	3.9	631.0	0	1,487
	Nass	216	295	0	74	0	2	587	5.1	368.7	0	1,194
	Skeena	88	0	19	60	0	1	167	1.4	101.7	0	334
	Tahltan	18	1,270	44	58	0	5	1,395	12.1	452.0	651	2,138
	Stikine	0	5,061	58	285	762	20	6,187	53.5	934.5	4,649	7,724
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	762	8,942	321	742	762	40	11,569				
	7/19-7/25	Alaska I	523	236	59	170	0	3	992	9.4	609.5	0
Week 30	Alaska II	0	76	0	0	0	0	77	0.7	639.8	0	1,129
	Nass	256	0	0	48	0	1	305	2.9	84.5	166	444
	Skeena	104	0	44	39	0	1	187	1.8	96.1	29	345
	Tahltan	22	549	0	37	0	2	610	5.8	345.0	43	1,177
	Stikine	0	6,765	112	183	1,258	23	8,342	79.4	856.5	6,933	9,751
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	905	7,627	215	476	1,258	31	10,512				
	7/26-8/01	Alaska I	0	0	27	43	0	0	70	1.6	198.3	0
Week 31	Alaska II	0	507	0	0	0	3	510	11.6	295.6	24	996
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0
	Skeena	0	255	20	0	0	2	277	6.3	136.3	53	501
	Tahltan	0	0	0	11	0	0	11	0.3	16.2	0	38
	Stikine	400	2,641	51	93	318	19	3,522	80.2	371.0	2,912	4,133
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	400	3,403	98	147	318	24	4,391				
	8/02-8/08	Alaska I	45	0	13	28	0	0	87	4.7	25.2	45
Week 32	Alaska II	0	151	0	0	0	0	151	8.1	131.0	0	366
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0
	Skeena	4	0	10	0	0	0	14	0.7	12.3	0	34
	Tahltan	0	0	0	7	0	0	7	0.4	10.6	0	25
	Stikine	83	1,259	25	61	166	0	1,594	86.0	134.4	1,373	1,815
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	131	1,410	48	97	166	0	1,852				
	8/09-10/03	Alaska I	36	33	11	7	0	1	88	20.3	24.2	48
Wks. 33-40	Alaska II	0	68	0	0	0	1	68	15.8	24.5	28	109
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0
	Skeena	3	30	8	0	0	0	41	9.6	15.8	15	67
	Tahltan	0	0	0	2	0	0	2	0.4	2.6	0	6
	Stikine	66	107	20	15	21	2	232	53.8	33.6	177	287
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	105	238	39	25	21	4	431				

-continued-

Appendix C12.–Page 2 of 2.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard Error ^b	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other				Lower	Upper
	Alaska I	1,247	4,778	538	681	0	20	7,264	13.8	1,183	5,317	9,211
	Alaska II	0	1,335	0	0	0	6	1,340	2.5	963	0	2,925
Season	Nass	553	1,237	0	137	0	4	1,930	3.7	566	999	2,861
Totals	Skeena	199	285	121	155	0	3	764	1.4	215	411	1,117
	Tahltan	664	11,883	93	935	0	25	13,600	25.8	927	12,075	15,126
	Stikine	867	22,039	334	831	3,672	75	27,819	52.8	1,553	25,265	30,373
	Tuya	0	0	0	0	0	0	0	0.0	0	0	0
	Total	3,529	41,556	1,086	2,739	3,672	134	52,717				

^a Percents may not sum to 100.

^b The standard errors are minimum estimates since no estimates of the variance for stocks contributing 0 fish during a given week or for the 'other' age class are available. The 90% confidence intervals are affected in a like manner.

Appendix C13.—Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska District 108 drift gillnet fishery, 1992.

Stat Week	Days Open	Number Boats	Boat Days	Stock Group							Total
				Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	Tuya	
Catch per Boat Day											
26	2	25	50	5	2	14	0	43	10	0	73
27	4	33	132	9	0	2	0	34	13	0	58
28	5	69	192	10	0	0	0	26	30	0	66
29	5	63	177	16	3	3	1	8	35	0	65
30	5	67	198	5	0	2	1	3	42	0	53
31	5	35	100	1	5	0	3	0	35	0	44
32	5	30	87	1	2	0	0	0	18	0	21
33-40	20	123	310	0	0	0	0	0	1	0	1
Total				46	12	21	6	114	184	0	382
Migratory Timing: estimated from the weekly proportion of stock-specific CPUE											
26				0.106	0.147	0.656	0.025	0.376	0.054	0.000	0.192
27				0.189	0.000	0.095	0.028	0.299	0.069	0.000	0.151
28				0.210	0.000	0.019	0.048	0.226	0.163	0.000	0.173
29				0.343	0.217	0.157	0.171	0.069	0.190	0.000	0.171
30				0.109	0.033	0.073	0.172	0.027	0.229	0.000	0.139
31				0.015	0.436	0.000	0.503	0.001	0.191	0.000	0.115
32				0.022	0.148	0.000	0.029	0.001	0.100	0.000	0.056
33-40				0.006	0.019	0.000	0.024	0.000	0.004	0.000	0.004
Total				1.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000

Appendix C14.—Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan District 108 test drift gillnet fishery, 1992.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other			Error ^b	Lower	Upper
6/14-6/20	Alaska I	0	2	0	0	0	0	3	6.6	2.1	0	6
Week 25	Alaska II	0	1	0	0	0	0	1	2.3	1.4	0	3
	Nass	0	8	0	0	0	0	8	18.9	2.4	4	12
	Skeena	0	0	0	0	0	0	0	0.2	0.1	0	0
	Tahltan	0	23	0	1	0	0	24	58.3	2.6	20	28
	Stikine	0	4	0	0	1	0	6	13.6	2.4	2	9
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	0	38	0	1	1	0	41				
	6/21-6/27	Alaska I	0	14	1	1	0	0	16	6.6	12.2	0
Week 26	Alaska II	0	6	0	0	0	0	6	2.3	8.2	0	19
	Nass	0	46	0	0	0	0	46	18.9	14.5	22	70
	Skeena	0	0	0	0	0	0	0	0.2	0.8	0	2
	Tahltan	1	135	0	6	0	0	142	58.3	15.7	116	167
	Stikine	0	26	0	1	5	0	33	13.6	14.0	10	56
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1	227	1	9	5	0	243				
	6/28-7/04	Alaska I	1	34	3	1	0	0	40	15.1	14.4	16
Week 27	Alaska II	0	0	0	0	0	0	0	0.0	0.0	0	0
	Nass	0	9	0	0	0	0	9	3.5	12.1	0	29
	Skeena	0	0	0	0	0	0	1	0.3	0.9	0	2
	Tahltan	3	145	1	6	0	0	155	59.1	16.4	128	183
	Stikine	2	45	1	1	8	0	58	22.0	14.8	34	82
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	7	233	5	9	8	1	263				
	7/05-7/11	Alaska I	2	21	2	2	0	0	27	14.6	8.1	13
Week 28	Alaska II	0	0	0	0	0	0	0	0.0	0.0	0	0
	Nass	1	0	0	0	0	0	1	0.6	1.2	0	3
	Skeena	0	0	0	1	0	0	1	0.4	1.2	0	3
	Tahltan	7	55	0	8	0	0	71	38.9	7.2	59	83
	Stikine	4	65	1	2	12	0	83	45.4	9.3	67	98
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	15	140	3	12	12	0	182				
	7/12-7/18	Alaska I	9	37	4	5	0	0	55	24.1	13.3	33
Week 29	Alaska II	0	9	0	0	0	0	9	3.9	12.4	0	29
	Nass	4	6	0	1	0	0	12	5.1	7.2	0	23
	Skeena	2	0	0	1	0	0	3	1.4	2.0	0	7
	Tahltan	0	25	1	1	0	0	27	12.1	8.9	13	42
	Stikine	0	99	1	6	15	0	121	53.5	18.3	91	152
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	15	175	6	15	15	1	227				
	7/19-7/25	Alaska I	11	5	1	4	0	0	21	9.4	13.1	0
Week 30	Alaska II	0	2	0	0	0	0	2	0.7	13.8	0	24
	Nass	6	0	0	1	0	0	7	2.9	1.8	4	10
	Skeena	2	0	1	1	0	0	4	1.8	2.1	1	7
	Tahltan	0	12	0	1	0	0	13	5.8	7.4	1	25
	Stikine	0	145	2	4	27	1	179	79.4	18.4	149	210
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	19	164	5	10	27	1	226				
	7/26-8/01	Alaska I	0	0	1	1	0	0	2	1.6	5.3	0
Week 31	Alaska II	0	14	0	0	0	0	14	11.6	7.9	1	27
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0
	Skeena	0	7	1	0	0	0	7	6.3	3.6	1	13
	Tahltan	0	0	0	0	0	0	0	0.3	0.4	0	1
	Stikine	11	70	1	2	8	1	94	80.2	9.9	78	110
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	11	91	3	4	8	1	117				
	Season Totals	Alaska I	24	113	12	14	0	0	163	12.5	28	116
Alaska II		0	31	0	0	0	0	31	2.4	22	0	66
Nass		11	68	0	3	0	0	82	6.3	20	49	116
Skeena		4	7	2	3	0	0	17	1.3	5	9	25
Tahltan		12	395	2	23	0	1	433	33.3	27	389	477
Stikine		16	455	7	17	77	2	574	44.2	36	515	633
Tuya		0	0	0	0	0	0	0	0.0	0	0	0
Total		68	1,069	23	60	77	3	1,299				

^a Percents may not sum to 100.

^b The standard errors are minimum estimates since no estimates of the variance for stocks contributing 0 fish during a given week or for the 'other' age class are available. The 90% confidence intervals are affected in a like manner.

Appendix C15.—Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan Subdistrict 106-30 drift gillnet fishery, 1993.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard Error ^b	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other				Lower	Upper
6/20-6/26	Alaska I	82	238	48	82	0	0	450	55.5	49.3	369	531
Week 26	Alaska II	0	46	0	52	0	0	98	12.1	34.0	42	154
	Nass	0	102	36	2	0	0	139	17.1	37.1	78	200
	Skeena	0	0	0	0	0	0	0	0.0	0.0	0	0
	Tahltan	37	33	0	55	0	0	125	15.4	34.2	69	181
	Stikine	0	0	0	0	0	0	0	0.0	0.0	0	0
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	119	418	84	191	0	0	812				
	6/27-7/03	Alaska I	225	285	70	114	0	8	702	47.4	61.3	601
Week 27	Alaska II	0	54	0	73	0	1	128	8.6	43.4	56	199
	Nass	0	0	52	3	0	1	55	3.7	13.2	34	77
	Skeena	0	74	0	0	0	1	74	5.0	39.3	10	139
	Tahltan	103	295	0	76	0	5	479	32.3	57.7	384	574
	Stikine	0	29	0	0	13	0	42	2.9	34.9	0	100
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	328	736	122	265	13	17	1,481				
	7/04-7/10	Alaska I	491	497	315	539	0	22	1,864	39.5	166.7	1,590
Week 28	Alaska II	0	417	0	198	0	7	623	13.2	130.1	409	837
	Nass	84	41	234	68	0	5	432	9.2	135.6	209	655
	Skeena	323	843	0	0	0	14	1,180	25.0	197.4	855	1,504
	Tahltan	165	247	0	114	0	6	532	11.3	122.8	330	734
	Stikine	0	0	0	0	90	0	90	1.9	28.2	44	137
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,063	2,045	550	919	90	54	4,721				
	7/11-7/17	Alaska I	1,580	749	526	1,355	0	22	4,231	46.7	326.6	3,694
Week 29	Alaska II	0	581	0	70	0	3	654	7.2	249.4	244	1,064
	Nass	300	210	395	136	0	5	1,047	11.5	306.8	542	1,551
	Skeena	726	1,508	255	0	0	13	2,503	27.6	373.2	1,889	3,117
	Tahltan	45	0	0	24	0	0	69	0.8	108.6	0	248
	Stikine	0	451	0	0	110	2	563	6.2	224.7	194	933
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	2,651	3,498	1,177	1,584	110	47	9,067				
	7/18-7/24	Alaska I	880	858	591	1,508	0	34	3,870	32.0	442.3	3,143
Week 30	Alaska II	0	1,084	0	281	0	12	1,377	11.4	449.8	637	2,117
	Nass	274	813	312	180	0	14	1,593	13.2	486.9	792	2,394
	Skeena	823	1,872	413	0	0	27	3,135	25.9	554.7	2,223	4,048
	Tahltan	113	0	0	36	0	1	150	1.2	118.6	0	345
	Stikine	83	1,826	0	0	42	17	1,967	16.3	522.1	1,108	2,826
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	2,172	6,454	1,316	2,005	42	104	12,093				
	7/25-7/31	Alaska I	1,165	749	932	2,456	0	69	5,371	35.7	561.4	4,447
Week 31	Alaska II	0	509	0	825	0	17	1,351	9.0	577.7	401	2,301
	Nass	586	707	492	213	0	26	2,023	13.5	490.1	1,217	2,829
	Skeena	328	1,379	651	0	0	31	2,389	15.9	539.5	1,501	3,276
	Tahltan	0	127	0	0	0	2	129	0.9	200.0	0	458
	Stikine	51	3,599	0	0	82	47	3,779	25.1	743.3	2,556	5,002
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	2,129	7,070	2,075	3,494	82	191	15,041				
	8/01-8/07	Alaska I	634	811	958	1,559	0	34	3,996	28.9	476.8	3,211
Week 32	Alaska II	0	2,557	0	886	0	29	3,472	25.2	628.7	2,438	4,507
	Nass	527	704	764	73	0	18	2,086	15.1	456.2	1,336	2,837
	Skeena	537	1,386	213	0	0	18	2,155	15.6	522.1	1,296	3,013
	Tahltan	0	144	0	0	0	1	145	1.0	201.5	0	476
	Stikine	307	1,580	0	0	47	16	1,949	14.1	668.3	850	3,049
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	2,005	7,181	1,935	2,518	47	117	13,803				
	8/08-8/14	Alaska I	111	231	358	1,535	0	16	2,251	21.3	389.2	1,611
Week 33	Alaska II	0	516	0	126	0	5	647	6.1	355.1	62	1,231
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0
	Skeena	618	3,168	1,677	0	0	39	5,502	52.2	464.3	4,739	6,266
	Tahltan	119	226	0	39	0	3	387	3.7	260.0	0	814
	Stikine	459	1,237	0	0	56	12	1,764	16.7	420.3	1,073	2,455
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,307	5,378	2,036	1,699	56	75	10,551				

-continued-

Appendix C15.—Page 2 of 2.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard Error ^b	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other				Lower	Upper
8/15-8/21	Alaska I	50	647	247	819	0	11	1,774	32.5	285.8	1,304	2,244
Week 34	Alaska II	0	0	0	254	0	2	255	4.7	133.7	35	475
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0
	Skeena	392	783	309	0	0	10	1,494	27.4	258.4	1,069	1,919
	Tahltan	89	364	0	40	0	3	496	9.1	192.2	179	812
	Stikine	270	1,162	0	0	0	9	1,440	26.4	256.4	1,018	1,862
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	800	2,956	556	1,113	0	35	5,459				
8/22-10/09	Alaska I	35	193	230	403	0	0	861	28.1	136.8	636	1,086
Wks. 35-41	Alaska II	0	20	0	125	0	0	145	4.7	100.5	0	310
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0
	Skeena	275	637	288	0	0	0	1,200	39.1	142.8	965	1,435
	Tahltan	62	144	0	20	0	0	226	7.4	92.3	74	378
	Stikine	189	447	0	0	0	0	636	20.7	133.8	416	856
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	562	1,440	519	547	0	0	3,068				
	Alaska I	5,252	5,260	4,275	10,368	0	215	25,370	33.3	1,063	23,621	27,119
	Alaska II	0	5,784	0	2,889	0	77	8,750	11.5	1,081	6,972	10,527
Season	Nass	1,770	2,576	2,285	675	0	69	7,375	9.7	894	5,905	8,846
Totals	Skeena	4,024	11,648	3,808	0	0	152	19,631	25.8	1,164	17,717	21,546
	Tahltan	733	1,579	0	403	0	22	2,738	3.6	489	1,933	3,542
	Stikine	1,358	10,331	0	0	439	104	12,232	16.1	1,259	10,161	14,302
	Tuya	0	0	0	0	0	0	0	0.0	0	0	0
	Total	13,137	37,177	10,368	14,336	439	640	76,096				

^a Percents may not sum to 100.

^b The standard errors are minimum estimates since no estimates of the variance for stocks contributing 0 fish during a given week or for the 'other' age class are available. The 90% confidence intervals are affected in a like manner.

Appendix C16.—Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska Subdistrict 106-30 drift gillnet fishery, 1993.

Stat Week	Days Open	Number Boats	Boat Days	Stock Group							Total
				Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	Tuya	
Catch per Boat Day											
26	2	12	24	19	4	6	0	5	0	0	34
27	2	13	26	27	5	2	3	18	2	0	57
28	2	25	50	37	12	9	24	11	2	0	94
29	2	44	88	48	7	12	28	1	6	0	103
30	2	53	106	37	13	15	30	1	19	0	114
31	3	51	153	35	9	13	16	1	25	0	98
32	3	48	144	28	24	14	15	1	14	0	96
33	3	51	153	15	4	0	36	3	12	0	69
34	3	40	120	15	2	0	12	4	12	0	46
35-41	16	338	5408	0	0	0	0	0	0	0	1
Total				260	81	71	164	45	90	0	712
Migratory Timing: estimated from the weekly proportion of stock-specific CPUE											
26				0.072	0.050	0.081	0.000	0.115	0.000	0.000	0.048
27				0.104	0.061	0.030	0.018	0.409	0.018	0.000	0.080
28				0.143	0.153	0.121	0.144	0.237	0.020	0.000	0.133
29				0.185	0.092	0.167	0.174	0.017	0.071	0.000	0.145
30				0.140	0.160	0.211	0.181	0.032	0.206	0.000	0.160
31				0.135	0.109	0.186	0.095	0.019	0.274	0.000	0.138
32				0.107	0.297	0.203	0.091	0.022	0.150	0.000	0.135
33				0.057	0.052	0.000	0.220	0.056	0.128	0.000	0.097
34				0.057	0.026	0.000	0.076	0.092	0.133	0.000	0.064
35-41				0.001	0.000	0.000	0.001	0.001	0.001	0.000	0.001
Total				1.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000

Appendix C17.—Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan Subdistrict 106-41 drift gillnet fishery, 1993.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other			Error ^b	Lower	Upper
6/20-6/26	Alaska I	149	312	149	364	0	14	989	31.1	115.4	799	1,179
Week 26	Alaska II	0	0	0	0	0	0	0	0.0	0.0	0	0
	Nass	75	293	93	107	0	8	576	18.1	102.5	407	744
	Skeena	0	0	0	0	0	0	0	0.0	0.0	0	0
	Tahltan	104	1,072	0	230	0	21	1,427	44.9	132.4	1,209	1,645
	Stikine	3	107	0	0	76	2	188	5.9	70.1	73	304
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	331	1,784	242	701	76	45	3,180				
	6/27-7/03	Alaska I	582	1,789	527	1,011	0	55	3,963	31.4	446.1	3,229
Week 27	Alaska II	0	0	0	0	0	0	0	0.0	0.0	0	0
	Nass	20	0	329	191	0	8	547	4.3	189.7	235	859
	Skeena	587	1,736	0	0	0	33	2,355	18.7	486.4	1,555	3,155
	Tahltan	1,272	2,640	0	1,096	0	70	5,078	40.3	531.1	4,204	5,952
	Stikine	58	387	0	0	220	6	671	5.3	258.7	245	1,096
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	2,518	6,551	856	2,298	220	171	12,614				
	7/04-7/10	Alaska I	796	1,032	559	1,347	0	44	3,778	28.7	429.3	3,072
Week 28	Alaska II	0	561	0	0	0	7	568	4.3	325.0	33	1,102
	Nass	710	36	488	274	0	18	1,525	11.6	391.9	881	2,170
	Skeena	459	1,098	362	0	0	23	1,942	14.7	527.4	1,074	2,810
	Tahltan	1,598	2,154	0	309	0	48	4,110	31.2	493.0	3,299	4,921
	Stikine	22	1,153	0	0	61	14	1,249	9.5	452.2	505	1,993
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	3,584	6,035	1,409	1,930	61	153	13,172				
	7/11-7/17	Alaska I	789	27	734	1,893	0	16	3,459	19.7	535.5	2,578
Week 29	Alaska II	0	0	0	0	0	0	0	0.0	0.0	0	0
	Nass	808	627	640	385	0	12	2,472	14.1	684.9	1,346	3,599
	Skeena	746	2,536	475	0	0	18	3,775	21.5	833.4	2,404	5,146
	Tahltan	1,347	1,016	0	434	0	13	2,810	16.0	528.0	1,942	3,679
	Stikine	215	4,630	0	0	164	23	5,032	28.7	707.6	3,868	6,196
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	3,904	8,836	1,849	2,712	164	82	17,549				
	7/18-7/24	Alaska I	1,076	1,874	528	1,990	0	55	5,523	39.6	520.5	4,667
Week 30	Alaska II	0	1,867	0	0	0	19	1,886	13.5	527.7	1,017	2,754
	Nass	347	768	537	386	0	21	2,059	14.8	479.4	1,270	2,847
	Skeena	535	1,483	125	0	0	22	2,165	15.5	560.9	1,242	3,088
	Tahltan	267	549	0	252	0	11	1,079	7.7	357.9	490	1,668
	Stikine	155	986	0	0	83	11	1,235	8.9	590.8	263	2,207
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	2,380	7,527	1,190	2,629	83	138	13,947				
	7/25-7/31	Alaska I	1,749	1,724	1,285	3,116	0	45	7,920	34.1	912.1	6,419
Week 31	Alaska II	0	58	0	654	0	4	716	3.1	809.2	0	2,047
	Nass	0	2,002	1,305	372	0	21	3,700	15.9	815.0	2,359	5,040
	Skeena	938	1,389	304	0	0	15	2,645	11.4	825.2	1,288	4,003
	Tahltan	231	671	0	133	0	6	1,041	4.5	485.3	243	1,839
	Stikine	1,141	5,729	0	0	302	39	7,210	31.0	1,193.6	5,247	9,174
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	4,059	11,573	2,893	4,275	302	130	23,232				
	8/01-8/07	Alaska I	1,220	2,488	1,079	2,628	0	25	7,441	35.8	806.1	6,115
Week 32	Alaska II	0	2,037	0	809	0	10	2,856	13.8	849.9	1,457	4,254
	Nass	711	1,222	2,022	81	0	14	4,049	19.5	723.9	2,858	5,240
	Skeena	591	1,849	0	0	0	8	2,449	11.8	760.1	1,198	3,699
	Tahltan	0	264	0	0	0	1	265	1.3	347.0	0	836
	Stikine	404	3,148	0	0	139	12	3,704	17.8	999.4	2,060	5,348
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	2,926	11,009	3,101	3,519	139	70	20,763				
	8/08-8/14	Alaska I	466	1,421	0	1,185	0	16	3,088	25.6	518.8	2,234
Week 33	Alaska II	0	276	0	226	0	3	505	4.2	409.4	0	1,178
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0
	Skeena	611	2,664	2,206	0	0	28	5,508	45.7	535.7	4,627	6,389
	Tahltan	191	316	0	167	0	3	677	5.6	312.6	163	1,191
	Stikine	271	1,901	0	0	101	11	2,284	18.9	535.9	1,402	3,165
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,538	6,577	2,206	1,578	101	61	12,061				

-continued-

Appendix C17.—Page 2 of 2.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard	90% C.I. ^b		
		1.2	1.3	2.2	2.3	0.	Other			Error ^b	Lower	Upper	
8/15-8/21	Alaska I	323	1,407	103	1,299	0	20	3,153	36.2	364.6	2,553	3,753	
Week 34	Alaska II	0	0	0	54	0	0	54	0.6	147.2	0	296	
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0	
	Skeena	791	1,926	1,459	0	0	27	4,203	48.2	350.4	3,626	4,779	
	Tahltan	214	329	0	56	0	4	604	6.9	232.5	221	986	
	Stikine	234	453	0	0	14	4	705	8.1	205.8	367	1,044	
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0	
	Total	1,562	4,115	1,562	1,409	14	56	8,719					
	8/22-10/09	Alaska I	191	222	210	618	0	3	1,243	26.9	183.1	942	1,544
Wks. 35-41	Alaska II	0	220	0	196	0	1	416	9.0	162.8	149	684	
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0	
	Skeena	482	1,103	539	0	0	4	2,128	46.0	182.8	1,827	2,429	
	Tahltan	134	0	0	23	0	0	158	3.4	70.9	41	274	
	Stikine	117	548	0	0	10	1	677	14.6	181.5	378	975	
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0	
	Total	924	2,092	749	837	10	10	4,622					
	Season	Alaska I	7,342	12,296	5,175	15,452	0	293	40,557	31.2	1,695	37,769	43,345
Alaska II		0	5,018	0	1,938	0	43	7,000	5.4	1,406	4,687	9,313	
Nass		2,671	4,948	5,412	1,796	0	100	14,928	11.5	1,445	12,552	17,305	
Skeena		5,738	15,784	5,471	0	0	177	27,170	20.9	1,796	24,215	30,124	
Tahltan		5,358	9,013	0	2,701	0	177	17,249	13.3	1,209	15,259	19,238	
Stikine		2,619	19,041	0	0	1,172	124	22,956	17.7	1,978	19,702	26,209	
Tuya		0	0	0	0	0	0	0	0.0	0	0	0	
Total		23,728	66,099	16,057	21,888	1,172	915	129,859					

^a Percents may not sum to 100.

^b The standard errors are minimum estimates since no estimates of the variance for stocks contributing 0 fish during a given week or for the 'other' age class are available. The 90% confidence intervals are affected in a like manner.

Appendix C18.—Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska Subdistrict 106-41 drift gillnet fishery, 1993.

Stat Week	Days Open	Number Boats	Boat Days	Stock Group							Total
				Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	Tuya	
Catch per Boat Day											
26	2	58	116	9	0	5	0	12	2	0	27
27	2	66	132	30	0	4	18	38	5	0	96
28	2	68	136	28	4	11	14	30	9	0	97
29	2	80	160	22	0	15	24	18	31	0	110
30	2	74	148	37	13	14	15	7	8	0	94
31	3	78	234	34	3	16	11	4	31	0	99
32	3	79	237	31	12	17	10	1	16	0	88
33	3	73	219	14	2	0	25	3	10	0	55
34	3	72	216	15	0	0	19	3	3	0	40
35-41	16	455	7280	0	0	0	0	0	0	0	1
Total				219	35	83	137	117	116	0	707
Migratory Timing: estimated from the weekly proportion of stock-specific CPUE											
26				0.039	0.000	0.060	0.000	0.105	0.014	0.000	0.039
27				0.137	0.000	0.050	0.130	0.328	0.044	0.000	0.135
28				0.127	0.121	0.136	0.104	0.258	0.079	0.000	0.137
29				0.099	0.000	0.187	0.172	0.150	0.271	0.000	0.155
30				0.170	0.368	0.168	0.107	0.062	0.072	0.000	0.133
31				0.154	0.088	0.191	0.083	0.038	0.266	0.000	0.140
32				0.143	0.348	0.207	0.075	0.010	0.135	0.000	0.124
33				0.064	0.067	0.000	0.184	0.026	0.090	0.000	0.078
34				0.067	0.007	0.000	0.142	0.024	0.028	0.000	0.057
35-41				0.001	0.002	0.000	0.002	0.000	0.001	0.000	0.001
Total				1.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000

Appendix C19.—Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan District 108 drift gillnet fishery, 1993.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other			Error ^b	Lower	Upper
6/20-6/26	Alaska I	32	99	11	156	0	7	305	13.2	72.5	186	424
Week 26	Alaska II	0	10	0	0	0	0	11	0.5	53.0	0	98
	Nass	10	256	13	59	0	8	346	14.9	85.1	206	486
	Skeena	0	0	0	0	0	0	0	0.0	0.0	0	0
	Tahltan	127	837	45	173	0	29	1,211	52.3	105.0	1,039	1,384
	Stikine	0	269	17	0	151	7	444	19.1	95.5	287	601
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	168	1,471	87	388	151	52	2,317				
	6/27-7/03	Alaska I	74	690	56	470	0	10	1,299	11.3	344.0	733
Week 27	Alaska II	0	390	33	336	0	6	764	6.6	312.2	250	1,278
	Nass	95	738	42	88	0	7	969	8.4	334.1	420	1,519
	Skeena	0	0	0	0	0	0	0	0.0	0.0	0	0
	Tahltan	2,112	2,975	268	828	0	46	6,229	54.2	454.1	5,482	6,976
	Stikine	93	1,206	97	0	834	10	2,240	19.5	430.4	1,532	2,948
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	2,373	5,998	495	1,721	834	78	11,500				
	7/04-7/10	Alaska I	502	836	89	465	0	13	1,904	9.8	526.5	1,038
Week 28	Alaska II	0	998	66	332	0	10	1,405	7.2	590.1	434	2,376
	Nass	849	36	48	87	0	7	1,027	5.3	530.9	154	1,901
	Skeena	593	647	61	0	0	9	1,310	6.7	687.6	179	2,441
	Tahltan	3,563	3,226	376	819	0	55	8,040	41.4	745.0	6,814	9,265
	Stikine	194	3,244	270	0	2,019	25	5,753	29.6	857.2	4,343	7,163
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	5,701	8,987	911	1,702	2,019	119	19,439				
	7/11-7/17	Alaska I	427	688	131	1,632	0	8	2,886	14.3	619.2	1,867
Week 29	Alaska II	0	1,386	98	660	0	6	2,150	10.7	819.8	802	3,499
	Nass	1,142	0	56	23	0	3	1,224	6.1	389.8	582	1,865
	Skeena	514	660	56	0	0	3	1,233	6.1	595.4	253	2,212
	Tahltan	1,582	803	124	196	0	7	2,712	13.5	506.8	1,878	3,546
	Stikine	922	6,022	452	0	2,510	20	9,927	49.3	1,100.0	8,118	11,737
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	4,586	9,559	917	2,510	2,510	48	20,132				
	7/18-7/24	Alaska I	339	0	63	742	0	2	1,146	9.7	538.5	260
Week 30	Alaska II	0	2,085	138	300	0	5	2,528	21.5	134.6	2,307	2,750
	Nass	54	0	4	10	0	0	68	0.6	123.5	0	271
	Skeena	500	1,005	87	0	0	3	1,596	13.6	359.9	1,004	2,188
	Tahltan	621	236	55	89	0	2	1,003	8.5	237.6	612	1,394
	Stikine	291	2,879	297	0	1,950	7	5,424	46.1	582.1	4,466	6,381
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,805	6,204	643	1,141	1,950	21	11,765				
	7/25-7/31	Alaska I	57	365	39	346	0	6	813	12.0	225.4	443
Week 31	Alaska II	0	997	60	191	0	10	1,258	18.5	351.8	679	1,837
	Nass	117	0	6	0	0	1	124	1.8	80.3	0	256
	Skeena	41	238	14	0	0	2	296	4.4	194.6	0	616
	Tahltan	176	131	17	38	0	3	365	5.4	129.3	153	578
	Stikine	525	2,241	189	0	962	24	3,940	58.0	444.8	3,208	4,672
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	916	3,973	326	574	962	47	6,797				
	8/01-8/07	Alaska I	0	285	45	110	0	4	444	14.1	106.5	269
Week 32	Alaska II	0	263	37	61	0	3	364	11.5	146.8	122	605
	Nass	0	77	9	0	0	1	86	2.7	107.8	0	264
	Skeena	64	172	27	0	0	2	265	8.4	108.6	86	443
	Tahltan	64	0	9	12	0	1	86	2.7	25.3	44	127
	Stikine	175	1,226	193	0	303	13	1,910	60.5	200.1	1,581	2,239
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	303	2,023	319	183	303	24	3,154				
	8/08-8/14	Alaska I	0	0	1	35	0	1	37	3.8	16.5	9
Week 33	Alaska II	0	303	12	19	0	5	339	35.4	85.5	198	479
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0
	Skeena	10	25	1	0	0	1	36	3.8	32.1	0	89
	Tahltan	10	0	1	4	0	0	14	1.5	6.2	4	25
	Stikine	27	341	19	0	138	6	530	55.5	92.1	379	682
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	46	668	35	58	138	12	956				

-continued-

Appendix C19.—Page 2 of 2.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other			Error ^b	Lower	Upper
8/15-10/09 Wks 34-41	Alaska I	0	16	7	28	0	0	50	6.2	24.0	11	90
	Alaska II	0	38	9	15	0	0	63	7.7	37.5	1	124
	Nass	0	0	0	0	0	0	0	0.0	0.0	0	0
	Skeena	30	110	23	0	0	1	164	20.1	34.0	108	220
	Tahltan	30	6	6	3	0	0	46	5.7	18.3	16	77
	Stikine	82	262	67	0	76	3	490	60.3	53.5	402	578
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	142	432	112	46	76	5	814				
Season	Alaska I	1,430	2,979	443	3,982	0	51	8,884	11.6	1,066	7,130	10,639
	Alaska II	0	6,470	453	1,914	0	45	8,881	11.6	1,137	7,011	10,752
Totals	Nass	2,267	1,107	177	266	0	28	3,845	5.0	766	2,586	5,104
	Skeena	1,751	2,857	269	0	0	22	4,900	6.4	1,004	3,248	6,552
	Tahltan	8,285	8,215	901	2,161	0	143	19,706	25.6	1,050	17,978	21,434
	Stikine	2,307	17,689	1,601	0	8,944	116	30,658	39.9	1,651	27,941	33,374
	Tuya	0	0	0	0	0	0	0	0.0	0	0	0
	Total	16,040	39,315	3,844	8,324	8,944	405	76,874				

^a Percents may not sum to 100.

^b The standard errors are minimum estimates since no estimates of the variance for stocks contributing 0 fish during a given week or for the 'other' age class are available. The 90% confidence intervals are affected in a like manner.

Appendix C20.—Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska District 108 drift gillnet fishery, 1993.

Stat Week	Days Open	Number Boats	Boat Days	Stock Group							Total
				Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	Tuya	
Catch per Boat Day											
26	2	47	94	3	0	4	0	13	5	0	25
27	4	61	150	9	5	6	0	42	15	0	77
28	4	90	224	9	6	5	6	36	26	0	87
29	5	101	334	9	6	4	4	8	30	0	60
30	5	83	287	4	9	0	6	3	19	0	41
31	5	38	116	7	11	1	3	3	34	0	59
32	5	24	71	6	5	1	4	1	27	0	44
33	3	11	33	1	10	0	1	0	16	0	29
34-41	15	101	260	0	0	0	1	0	2	0	3
Total			1,569	48	53	21	23	107	173	0	425
Migratory Timing: estimated from the weekly proportion of stock-specific CPUE											
26				0.068	0.002	0.176	0.000	0.121	0.027	0.000	0.058
27				0.182	0.096	0.309	0.000	0.388	0.086	0.000	0.181
28				0.179	0.118	0.219	0.253	0.336	0.149	0.000	0.204
29				0.182	0.121	0.175	0.160	0.076	0.172	0.000	0.142
30				0.084	0.166	0.011	0.241	0.033	0.109	0.000	0.097
31				0.147	0.204	0.051	0.110	0.029	0.197	0.000	0.138
32				0.131	0.096	0.058	0.161	0.011	0.156	0.000	0.105
33				0.023	0.193	0.000	0.048	0.004	0.093	0.000	0.068
34-41				0.004	0.005	0.000	0.027	0.002	0.011	0.000	0.007
Total				1.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000

Appendix C21.—Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan District 108 test drift gillnet fishery, 1993.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other			Error ^b	Lower	Upper
6/13-6/19	Alaska I	0	1	0	1	0	0	2	13.2	0.4	1	3
Week 25	Alaska II	0	0	0	0	0	0	0	0.5	0.3	0	1
	Nass	0	2	0	0	0	0	2	14.9	0.5	1	3
	Skeena	0	0	0	0	0	0	0	0.0	0.0	0	0
	Tahltan	1	5	0	1	0	0	7	52.3	0.6	6	8
	Stikine	0	2	0	0	1	0	3	19.1	0.6	2	4
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1	9	1	2	1	0	14				
	6/20-6/26	Alaska I	0	1	0	2	0	0	3	13.2	0.7	2
Week 26	Alaska II	0	0	0	0	0	0	0	0.5	0.5	0	1
	Nass	0	3	0	1	0	0	3	14.9	0.8	2	5
	Skeena	0	0	0	0	0	0	0	0.0	0.0	0	0
	Tahltan	1	8	0	2	0	0	12	52.3	1.0	10	14
	Stikine	0	3	0	0	1	0	4	19.1	0.9	3	6
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	2	15	1	4	1	1	23				
	6/27-7/03	Alaska I	1	7	1	5	0	0	13	11.3	3.3	7
Week 27	Alaska II	0	4	0	3	0	0	7	6.6	3.0	2	12
	Nass	1	7	0	1	0	0	9	8.4	3.3	4	15
	Skeena	0	0	0	0	0	0	0	0.0	0.0	0	0
	Tahltan	21	29	3	8	0	0	61	54.2	4.4	53	68
	Stikine	1	12	1	0	8	0	22	19.5	4.2	15	29
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	23	58	5	17	8	1	112				
	7/04-7/10	Alaska I	4	7	1	4	0	0	15	9.8	4.2	8
Week 28	Alaska II	0	8	1	3	0	0	11	7.2	4.7	3	19
	Nass	7	0	0	1	0	0	8	5.3	4.2	1	15
	Skeena	5	5	0	0	0	0	10	6.7	5.4	1	19
	Tahltan	28	26	3	6	0	0	64	41.4	5.9	54	73
	Stikine	2	26	2	0	16	0	46	29.6	6.8	34	57
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	45	71	7	13	16	1	154				
	Season Totals	Alaska I	5	15	1	11	0	0	33	10.8	5.4	24
Alaska II		0	12	1	6	0	0	19	6.2	5.6	10	28
Nass		8	12	1	2	0	0	23	7.6	5.4	14	32
Skeena		5	5	0	0	0	0	10	3.4	5.4	1	19
Tahltan		51	68	6	17	0	1	144	47.4	7.5	131	156
Stikine		2	42	3	0	27	0	74	24.6	8.1	61	88
Tuya		0	0	0	0	0	0	0	0.0	0.0	0	0
Total		71	153	13	36	27	3	303				

^a Percents may not sum to 100.

^b The standard errors are minimum estimates since no estimates of the variance for stocks contributing 0 fish during a given week or for the 'other' age class are available. The 90% confidence intervals are affected in a like manner.

Appendix C22.—Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan Subdistrict 106-30 drift gillnet fishery, 1994.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other			Error ^b	Lower	Upper
6/19-6/25	Alaska I	51	636	29	61	0	5	782	58.8	65.5	675	890
Week 26	Alaska II	0	26	1	0	0	0	28	2.1	27.0	0	72
	Nass	25	164	8	10	0	1	208	15.7	50.4	126	291
	Skeena	0	0	0	0	0	0	0	0.0	0.0	0	0
	Tahltan	0	227	9	8	0	2	246	18.4	53.6	157	334
	Stikine	0	0	0	0	67	0	67	5.0	13.7	45	90
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	76	1,054	47	79	67	9	1,331				
	6/26-7/02	Alaska I	52	1,023	55	163	0	3	1,296	60.1	114.4	1,108
Week 27	Alaska II	0	0	0	0	0	0	0	0.0	0.0	0	0
	Nass	26	203	11	25	0	1	266	12.3	106.5	91	441
	Skeena	0	37	2	0	0	0	39	1.8	142.4	0	273
	Tahltan	0	365	17	22	0	1	405	18.8	92.9	252	557
	Stikine	0	61	3	0	88	0	151	7.0	55.7	60	243
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	78	1,689	88	210	88	5	2,157				
	7/03-7/09	Alaska I	129	1,940	170	336	0	28	2,604	65.3	177.7	2,311
Week 28	Alaska II	0	0	0	0	0	0	0	0.0	0.0	0	0
	Nass	91	37	13	53	0	2	195	4.9	104.1	24	367
	Skeena	48	0	3	0	0	1	52	1.3	35.1	0	110
	Tahltan	0	776	58	45	0	10	889	22.3	149.8	642	1,135
	Stikine	0	59	4	0	186	1	250	6.3	94.5	94	405
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	269	2,812	248	434	186	41	3,990				
	7/10-7/16	Alaska I	69	3,886	334	585	0	32	4,907	81.4	307.7	4,401
Week 29	Alaska II	0	0	0	0	0	0	0	0.0	0.0	0	0
	Nass	49	148	18	49	0	2	265	4.4	250.5	0	678
	Skeena	26	223	18	0	0	2	268	4.5	376.5	0	888
	Tahltan	0	362	32	70	0	3	466	7.7	190.2	153	779
	Stikine	0	19	1	0	104	0	124	2.1	135.6	0	347
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	143	4,637	404	703	104	39	6,031				
	7/17-7/23	Alaska I	116	3,567	122	805	0	0	4,610	66.5	417.5	3,923
Week 30	Alaska II	0	967	26	0	0	0	993	14.3	285.4	524	1,463
	Nass	82	0	4	67	0	0	153	2.2	57.1	59	247
	Skeena	44	634	18	0	0	0	696	10.0	297.5	206	1,185
	Tahltan	0	295	11	96	0	0	401	5.8	211.5	53	749
	Stikine	0	0	0	0	81	0	81	1.2	40.1	15	147
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	242	5,463	181	968	81	0	6,934				
	7/24-7/30	Alaska I	368	5,855	616	1,901	0	51	8,792	59.8	722.2	7,604
Week 31	Alaska II	0	905	69	0	0	6	980	6.7	489.3	175	1,785
	Nass	1,037	0	103	317	0	9	1,466	10.0	246.8	1,060	1,871
	Skeena	45	2,116	164	0	0	14	2,338	15.9	671.6	1,233	3,443
	Tahltan	0	856	65	0	0	5	926	6.3	439.4	204	1,649
	Stikine	0	108	8	0	85	1	202	1.4	325.2	0	737
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,450	9,841	1,024	2,218	85	85	14,704				
	7/31-8/06	Alaska I	136	3,380	220	1,212	0	46	4,995	51.4	507.5	4,160
Week 32	Alaska II	0	2,405	112	0	0	24	2,541	26.1	408.1	1,869	3,212
	Nass	384	0	20	40	0	4	448	4.6	112.8	262	633
	Skeena	17	1,547	73	0	0	15	1,652	17.0	398.2	997	2,307
	Tahltan	0	0	0	0	0	0	0	0.0	0.0	0	0
	Stikine	0	0	0	0	89	0	89	0.9	44.6	16	163
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	536	7,332	425	1,252	89	89	9,724				
	8/07-8/13	Alaska I	103	1,033	117	445	0	14	1,713	50.7	165.4	1,441
Week 33	Alaska II	0	407	30	0	0	4	441	13.0	131.3	225	657
	Nass	148	0	18	99	0	2	268	7.9	44.1	195	340
	Skeena	0	831	62	0	0	7	899	26.6	172.9	615	1,184
	Tahltan	0	9	1	0	0	0	10	0.3	86.1	0	152
	Stikine	0	47	3	0	0	0	50	1.5	91.9	0	202
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	252	2,327	231	544	0	27	3,381				

-continued-

Appendix C22.—Page 2 of 2.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard Error ^b	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other				Lower	Upper
8/16-10/08	Alaska I	138	1,384	233	572	0	17	2,344	44.5	245.9	1,939	2,748
Wks. 34-41	Alaska II	0	799	89	0	0	6	894	17.0	182.8	594	1,195
	Nass	198	0	54	286	0	4	541	10.3	80.0	409	672
	Skeena	0	1,076	120	0	0	9	1,204	22.8	238.3	812	1,596
	Tahltan	0	245	27	0	0	2	275	5.2	154.2	21	528
	Stikine	0	0	0	0	12	0	12	0.2	12.4	0	33
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	336	3,505	522	858	12	37	5,270				
	Alaska I	1,163	22,705	1,896	6,081	0	197	32,042	59.9	1,088	30,251	33,832
	Alaska II	0	5,510	327	0	0	39	5,876	11.0	734	4,668	7,084
Season	Nass	2,040	552	248	945	0	25	3,810	7.1	416	3,126	4,493
Totals	Skeena	179	6,463	459	0	0	47	7,149	13.4	974	5,547	8,750
	Tahltan	0	3,135	219	241	0	23	3,618	6.8	582	2,660	4,576
	Stikine	0	293	20	0	713	2	1,028	1.9	385	394	1,662
	Tuya	0	0	0	0	0	0	0	0.0	0	0	0
	Total	3,382	38,658	3,170	7,266	713	333	53,522				

^a Percents may not sum to 100.

^b The standard errors are minimum estimates since no estimates of the variance for stocks contributing 0 fish during a given week or for the 'other' age class are available. The 90% confidence intervals are affected in a like manner.

Appendix C23.—Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska Subdistrict 106-30 drift gillnet fishery, 1994.

Stat Week	Days Open	Number Boats	Boat Days	Stock Group							Total
				Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	Tuya	
Catch per Boat Day											
26	2	14	28	28	1	7	0	9	2	0	48
27	2	22	44	29	0	6	1	9	3	0	49
28	2	23	46	57	0	4	1	19	5	0	87
29	2	32	64	77	0	4	4	7	2	0	94
30	3	24	72	64	14	2	10	6	1	0	96
31	3	77	231	38	4	6	10	4	1	0	64
32	3	85	255	20	10	2	6	0	0	0	38
33	2	52	104	16	4	3	9	0	0	0	33
34-41	24	233	5592	0	0	0	0	0	0	0	1
Total				329	33	35	41	54	16	0	509
Migratory Timing: estimated from the weekly proportion of stock-specific CPUE											
26				0.085	0.029	0.214	0.000	0.161	0.149	0.000	0.093
27				0.089	0.000	0.174	0.021	0.169	0.215	0.000	0.096
28				0.172	0.000	0.122	0.028	0.356	0.339	0.000	0.170
29				0.233	0.000	0.119	0.101	0.134	0.121	0.000	0.185
30				0.194	0.413	0.061	0.234	0.103	0.070	0.000	0.189
31				0.116	0.127	0.182	0.245	0.074	0.055	0.000	0.125
32				0.059	0.298	0.050	0.157	0.000	0.022	0.000	0.075
33				0.050	0.127	0.074	0.209	0.002	0.030	0.000	0.064
34-41				0.001	0.005	0.003	0.005	0.001	0.000	0.000	0.002
Total				1.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000

Appendix C24.—Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan Subdistrict 106-41 drift gillnet fishery, 1994.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other			Error ^b	Lower	Upper
6/19-6/25	Alaska I	22	848	29	192	0	0	1,091	28.8	183.3	790	1,393
Week 26	Alaska II	0	16	0	0	0	0	17	0.4	76.1	0	142
	Nass	24	424	13	30	0	0	491	12.9	193.4	173	809
	Skeena	0	292	8	0	0	0	300	7.9	291.6	0	780
	Tahltan	12	1,568	45	87	0	0	1,713	45.1	225.6	1,341	2,084
	Stikine	0	64	2	0	116	0	182	4.8	85.0	42	322
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	58	3,213	97	310	116	0	3,794				
	6/26-7/02	Alaska I	263	3,675	157	656	0	0	4,751	39.0	569.8	3,813
Week 27	Alaska II	0	0	0	0	0	0	0	0.0	0.0	0	0
	Nass	282	585	33	104	0	0	1,004	8.2	396.6	352	1,656
	Skeena	0	0	0	0	0	0	0	0.0	0.0	0	0
	Tahltan	149	5,312	196	297	0	0	5,954	48.8	586.5	4,989	6,919
	Stikine	0	175	6	0	302	0	483	4.0	510.3	0	1,323
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	694	9,748	392	1,056	302	0	12,192				
	7/03-7/09	Alaska I	367	5,654	369	1,011	0	15	7,417	38.7	951.5	5,852
Week 28	Alaska II	0	136	7	0	0	0	144	0.7	418.1	0	831
	Nass	394	1,179	91	160	0	4	1,828	9.5	837.0	451	3,205
	Skeena	0	1,784	94	0	0	4	1,882	9.8	1,341.8	0	4,089
	Tahltan	207	6,062	353	458	0	15	7,095	37.1	1,014.7	5,426	8,765
	Stikine	0	302	16	0	465	1	784	4.1	362.8	187	1,381
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	969	15,118	930	1,628	465	39	19,150				
	7/10-7/16	Alaska I	469	10,637	633	1,794	0	0	13,534	50.6	1,449.2	11,150
Week 29	Alaska II	0	807	40	0	0	0	846	3.2	840.5	0	2,229
	Nass	503	3,335	198	206	0	0	4,243	15.9	1,372.8	1,984	6,501
	Skeena	0	1,722	85	0	0	0	1,807	6.8	1,732.2	0	4,656
	Tahltan	265	4,076	221	164	0	0	4,726	17.7	1,136.4	2,857	6,596
	Stikine	0	1,221	60	0	309	0	1,590	5.9	769.8	323	2,856
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,237	21,798	1,237	2,164	309	0	26,745				
	7/17-7/23	Alaska I	320	13,156	820	2,132	0	171	16,598	53.9	1,742.3	13,732
Week 30	Alaska II	0	3,119	164	0	0	34	3,317	10.8	1,350.4	1,096	5,539
	Nass	356	0	32	244	0	7	638	2.1	183.9	336	941
	Skeena	259	4,226	236	0	0	49	4,769	15.5	1,570.8	2,185	7,353
	Tahltan	7	3,044	170	195	0	36	3,452	11.2	1,191.5	1,492	5,412
	Stikine	0	1,610	85	0	314	18	2,026	6.6	1,103.7	210	3,841
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	941	25,154	1,505	2,572	314	314	30,800				
	7/24-7/30	Alaska I	1,002	7,671	1,051	2,690	0	122	12,536	42.1	1,451.5	10,148
Week 31	Alaska II	0	2,021	187	0	0	22	2,229	7.5	998.4	587	3,872
	Nass	1,114	0	136	359	0	16	1,625	5.5	390.1	983	2,266
	Skeena	810	9,424	946	0	0	110	11,290	38.0	1,685.5	8,517	14,062
	Tahltan	21	247	47	244	0	6	565	1.9	937.3	0	2,106
	Stikine	0	1,258	116	0	116	14	1,503	5.1	902.6	18	2,988
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	2,946	20,621	2,484	3,292	116	289	29,747				
	7/31-8/06	Alaska I	343	5,123	512	2,030	0	60	8,068	58.7	682.4	6,945
Week 32	Alaska II	0	1,843	126	0	0	15	1,983	14.4	488.0	1,180	2,786
	Nass	489	0	47	198	0	6	740	5.4	160.4	476	1,004
	Skeena	197	1,767	134	0	0	16	2,114	15.4	574.8	1,169	3,060
	Tahltan	98	667	52	0	0	6	824	6.0	397.3	170	1,477
	Stikine	0	0	0	0	26	0	26	0.2	25.6	0	68
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,127	9,401	871	2,228	26	102	13,755				
	8/07-8/13	Alaska I	316	3,075	239	1,027	0	9	4,667	41.6	559.1	3,747
Week 33	Alaska II	0	1,237	67	0	0	3	1,306	11.6	378.5	683	1,929
	Nass	451	0	47	410	0	2	909	8.1	138.9	680	1,137
	Skeena	182	3,392	194	0	0	7	3,775	33.6	609.2	2,773	4,777
	Tahltan	90	431	28	0	0	1	551	4.9	377.9	0	1,173
	Stikine	0	0	0	0	22	0	22	0.2	22.1	0	58
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,039	8,135	575	1,437	22	22	11,230				

-continued-

Appendix C24.–Page 2 of 2.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other			Error ^b	Lower	Upper
8/16-8/20 Wks. 34-41	Alaska I	199	753	168	447	0	16	1,581	30.8	185.0	1,277	1,886
	Alaska II	0	535	64	0	0	6	605	11.8	143.5	369	841
	Nass	272	0	54	178	0	5	509	9.9	81.1	375	642
	Skeena	34	1,720	210	0	0	19	1,984	38.7	248.0	1,576	2,392
	Tahltan	0	375	45	0	0	4	424	8.3	163.2	155	692
	Stikine	0	24	3	0	0	0	27	0.5	102.8	0	196
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	504	3,406	544	625	0	50	5,129				
8/21-10/08 Wks. 35-41	Alaska I	213	677	198	558	0	0	1,646	33.0	192.3	1,330	1,963
	Alaska II	0	481	66	0	0	0	547	11.0	133.2	328	766
	Nass	291	0	70	222	0	0	584	11.7	124.5	379	789
	Skeena	36	1,547	217	0	0	0	1,800	36.1	247.8	1,392	2,207
	Tahltan	0	337	46	0	0	0	383	7.7	148.3	139	627
	Stikine	0	21	3	0	0	0	24	0.5	92.2	0	176
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	540	3,062	600	781	0	0	4,984				
Season Totals	Alaska I	3,513	51,269	4,176	12,538	0	393	71,889	45.6	3,059	66,857	76,920
	Alaska II	0	10,193	721	0	0	79	10,993	7.0	2,032	7,651	14,335
	Nass	4,176	5,523	721	2,111	0	39	12,570	8.0	1,742	9,705	15,435
	Skeena	1,518	25,874	2,123	0	0	206	29,720	18.9	3,319	24,260	35,181
	Tahltan	849	22,120	1,205	1,445	0	67	25,687	16.3	2,316	21,877	29,496
	Stikine	0	4,676	290	0	1,669	32	6,667	4.2	1,745	3,797	9,538
	Tuya	0	0	0	0	0	0	0	0.0	0	0	0
	Total	10,055	119,656	9,236	16,093	1,669	816	157,526				

^a Percents may not sum to 100.

^b The standard errors are minimum estimates since no estimates of the variance for stocks contributing 0 fish during a given week or for the 'other' age class are available. The 90% confidence intervals are affected in a like manner.

Appendix C25.—Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska Subdistrict 106-41 drift gillnet fishery, 1994.

Stat Week	Days Open	Number Boats	Boat Days	Stock Group							Total
				Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	Tuya	
Catch per Boat Day											
26	2	31	62	18	0	8	5	28	3	0	61
27	2	63	126	38	0	8	0	47	4	0	97
28	2	73	146	51	1	13	13	49	5	0	131
29	2	81	162	84	5	26	11	29	10	0	165
30	3	98	294	56	11	2	16	12	7	0	105
31	3	104	312	40	7	5	36	2	5	0	95
32	3	97	291	28	7	3	7	3	0	0	47
33	2	86	172	27	8	5	22	3	0	0	65
34	2	70	140	11	4	4	14	3	0	0	37
35-41	22	367	8074	0	0	0	0	0	0	0	1
Total				353	44	74	125	175	34	0	804
Migratory Timing: estimated from the weekly proportion of stock-specific CPUE											
26				0.050	0.006	0.108	0.039	0.158	0.086	0.000	0.076
27				0.107	0.000	0.108	0.000	0.270	0.113	0.000	0.120
28				0.144	0.022	0.170	0.103	0.277	0.158	0.000	0.163
29				0.237	0.120	0.356	0.089	0.166	0.288	0.000	0.205
30				0.160	0.258	0.030	0.130	0.067	0.202	0.000	0.130
31				0.114	0.164	0.071	0.290	0.010	0.141	0.000	0.119
32				0.079	0.156	0.035	0.058	0.016	0.003	0.000	0.059
33				0.077	0.174	0.072	0.176	0.018	0.004	0.000	0.081
34				0.032	0.099	0.049	0.113	0.017	0.006	0.000	0.046
35-41				0.001	0.002	0.001	0.002	0.000	0.000	0.000	0.001
Total				1.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000

Appendix C26.—Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan District 108 drift gillnet fishery, 1994.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other			Error ^b	Lower	Upper
6/13-6/19	Alaska I	1	12	0	6	0	0	19	21.5	6.0	9	29
Week 25	Alaska II	0	22	0	0	0	0	22	25.0	6.9	11	34
	Nass	1	0	0	0	0	0	1	1.2	0.7	0	2
	Skeena	0	19	0	0	0	0	19	21.3	7.6	7	31
	Tahltan	2	17	0	3	0	0	22	24.9	6.5	11	33
	Stikine	0	4	0	0	2	0	5	6.1	5.4	0	14
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	3	73	0	10	2	2	89				
	6/20-6/26	Alaska I	7	218	1	76	0	0	302	14.9	83.4	165
Week 26	Alaska II	0	163	1	0	0	0	163	8.1	78.1	35	292
	Nass	8	104	1	4	0	0	117	5.8	91.7	0	268
	Skeena	0	185	1	0	0	0	185	9.2	159.5	0	448
	Tahltan	20	927	4	34	0	0	985	48.7	127.8	775	1,195
	Stikine	0	232	1	0	35	0	269	13.3	89.1	122	415
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	35	1,829	9	114	35	0	2,022				
	6/27-7/03	Alaska I	80	946	6	405	0	0	1,438	11.8	459.7	682
Week 27	Alaska II	0	1,301	5	0	0	0	1,307	10.7	460.8	548	2,065
	Nass	92	140	1	22	0	0	254	2.1	553.0	0	1,164
	Skeena	0	2,495	10	0	0	0	2,505	20.5	1,078.5	731	4,279
	Tahltan	218	5,356	23	182	0	0	5,779	47.4	775.7	4,503	7,055
	Stikine	0	516	3	0	390	0	910	7.5	389.9	268	1,551
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	390	10,754	49	610	390	0	12,193				
	7/04-7/10	Alaska I	196	1,831	19	872	0	6	2,924	11.1	911.0	1,425
Week 28	Alaska II	0	3,616	23	0	0	8	3,647	13.9	1,060.1	1,903	5,391
	Nass	223	3,170	22	6	0	7	3,429	13.0	1,286.4	1,313	5,545
	Skeena	0	117	1	0	0	0	118	0.5	1,951.9	0	3,329
	Tahltan	531	14,441	99	408	0	33	15,512	59.0	1,667.5	12,769	18,255
	Stikine	0	305	4	0	335	1	646	2.5	679.1	-471	1,763
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	950	23,481	168	1,286	335	56	26,276				
	7/11-7/17	Alaska I	204	1,225	20	494	0	8	1,950	7.5	864.8	528
Week 29	Alaska II	0	5,231	53	0	0	22	5,306	20.5	1,288.1	3,188	7,425
	Nass	232	4,312	47	4	0	19	4,614	17.8	1,619.3	1,950	7,277
	Skeena	0	4,124	42	0	0	17	4,183	16.2	2,171.7	611	7,756
	Tahltan	553	7,022	80	231	0	32	7,918	30.6	1,459.8	5,516	10,319
	Stikine	0	1,650	19	0	208	7	1,883	7.3	1,063.8	133	3,633
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	988	23,565	260	728	208	104	25,854				
	7/18-7/24	Alaska I	478	1,326	35	725	0	10	2,574	14.3	688.3	1,442
Week 30	Alaska II	0	5,260	72	0	0	21	5,353	29.8	1,028.8	3,660	7,045
	Nass	197	0	3	5	0	1	206	1.1	80.0	75	338
	Skeena	0	2,866	39	0	0	12	2,917	16.2	963.9	1,331	4,503
	Tahltan	187	3,629	57	339	0	17	4,228	23.5	884.1	2,774	5,682
	Stikine	0	2,165	36	0	483	9	2,693	15.0	935.5	1,154	4,232
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	862	15,246	241	1,069	483	69	17,971				
	7/25-7/31	Alaska I	106	609	10	254	0	4	983	13.4	284.1	516
Week 31	Alaska II	0	2,705	28	0	0	11	2,745	37.5	499.1	1,924	3,566
	Nass	44	0	1	88	0	1	134	1.8	31.5	82	186
	Skeena	0	455	5	0	0	2	462	6.3	277.1	6	918
	Tahltan	42	462	5	13	0	2	523	7.1	220.2	161	886
	Stikine	0	2,180	25	0	266	9	2,480	33.8	514.4	1,634	3,326
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	192	6,411	74	355	266	30	7,327				
	8/01-8/07	Alaska I	74	214	2	125	0	0	415	15.1	109.0	235
Week 32	Alaska II	0	1,026	4	0	0	0	1,030	37.5	183.4	728	1,332
	Nass	31	0	0	43	0	0	74	2.7	18.3	44	104
	Skeena	0	321	1	0	0	0	322	11.7	121.8	122	522
	Tahltan	29	116	1	6	0	0	152	5.5	78.9	23	282
	Stikine	0	698	3	0	51	0	753	27.4	184.9	449	1,057
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	134	2,376	10	175	51	0	2,746				

-continued-

Appendix C26.–Page 2 of 2.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0	Other			Error ^b	Lower	Upper
8/08-8/14	Alaska I	41	285	12	87	0	0	425	31.6	66.8	315	535
Week 33	Alaska II	0	316	9	0	0	0	325	24.2	75.1	201	448
	Nass	17	0	1	30	0	0	49	3.6	10.8	31	66
	Skeena	0	273	8	0	0	0	281	20.9	70.2	165	396
	Tahltan	16	1	1	4	0	0	22	1.7	33.6	0	78
	Stikine	0	221	7	0	14	0	242	18.0	72.9	122	362
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	75	1,096	37	121	14	0	1,343				
8/15-10/09	Alaska I	49	244	45	169	0	0	508	36.2	61.5	406	609
Wks 34-41	Alaska II	0	233	23	0	0	0	255	18.2	63.2	151	359
	Nass	20	0	8	59	0	0	87	6.2	17.8	57	116
	Skeena	0	246	24	0	0	0	270	19.2	62.6	167	373
	Tahltan	19	11	4	9	0	0	43	3.1	33.3	0	98
	Stikine	0	212	22	0	7	0	241	17.2	64.0	135	346
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	89	945	126	236	7	0	1,403				
	Alaska I	1,236	6,911	149	3,213	0	29	11,538	11.9	1,540	9,005	14,071
	Alaska II	0	19,873	218	0	0	62	20,154	20.7	2,086	16,722	23,585
Season	Nass	866	7,726	83	262	0	28	8,965	9.2	2,145	5,437	12,493
Totals	Skeena	0	11,100	131	0	0	31	11,262	11.6	3,278	5,870	16,654
	Tahltan	1,617	31,982	273	1,229	0	85	35,185	36.2	2,524	31,034	39,336
	Stikine	0	8,183	120	0	1,792	26	10,120	10.4	1,713	7,302	12,939
	Tuya	0	0	0	0	0	0	0	0.0	0	0	0
	Total	3,719	85,776	974	4,704	1,792	260	97,224				

^a Percents may not sum to 100.

^b The standard errors are minimum estimates since no estimates of the variance for stocks contributing 0 fish during a given week or for the 'other' age class are available. The 90% confidence intervals are affected in a like manner.

Appendix C27.—Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska District 108 drift gillnet fishery, 1994.

Stat Week	Days Open	Number Boats	Boat Days	Stock Group							Total
				Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	Tuya	
Catch per Boat Day											
25	1	27	27	1	1	0	1	1	0	0	3
26	4	26	58	5	3	2	3	17	5	0	35
27	4	66	154	9	8	2	16	38	6	0	79
28	5	100	359	8	10	10	0	43	2	0	73
29	5.5	110	416	5	13	11	10	19	5	0	62
30	5.5	97	336	8	16	1	9	13	8	0	54
31	4	59	108	9	25	1	4	5	23	0	68
32	3	22	66	6	16	1	5	2	11	0	42
33	2	16	32	13	10	2	9	1	8	0	42
34-41	24	198	644	1	0	0	0	0	0	0	2
Total				65	103	29	58	138	67	0	460
Migratory Timing: estimated from the weekly proportion of stock-specific CPUE											
25				0.011	0.008	0.001	0.012	0.006	0.003	0.000	0.007
26				0.080	0.027	0.070	0.056	0.123	0.069	0.000	0.076
27				0.143	0.083	0.057	0.282	0.272	0.088	0.000	0.172
28				0.125	0.099	0.329	0.006	0.313	0.027	0.000	0.159
29				0.072	0.124	0.383	0.175	0.138	0.067	0.000	0.135
30				0.118	0.156	0.021	0.151	0.091	0.119	0.000	0.116
31				0.140	0.248	0.043	0.074	0.035	0.341	0.000	0.148
32				0.096	0.152	0.039	0.085	0.017	0.169	0.000	0.090
33				0.204	0.099	0.052	0.152	0.005	0.112	0.000	0.091
34-41				0.012	0.004	0.005	0.007	0.000	0.006	0.000	0.005
				1.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000

Appendix C28.—Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan District 108 test drift gillnet fishery, 1994.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard Error ^b	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0	Other				Lower	Upper
6/16-6/22	Alaska I	0	2	0	2	0	0	5	38.3	0.8	3	6
Week 25	Alaska II	0	0	0	0	0	0	0	0.3	0.3	0	1
	Nass	0	1	0	0	0	0	1	12.1	0.4	1	2
	Skeena	0	1	0	0	0	0	1	6.1	0.7	0	2
	Tahltan	0	4	0	1	0	0	5	41.9	0.7	4	6
	Stikine	0	0	0	0	0	0	0	1.3	0.4	0	1
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	0	8	0	4	0	0	12				
	Season	Alaska I	0	2	0	2	0	0	5	38.3	0.8	3
Alaska II		0	0	0	0	0	0	0	0.3	0.3	0	1
Totals	Nass	0	1	0	0	0	0	1	12.1	0.4	1	2
	Skeena	0	1	0	0	0	0	1	6.1	0.7	0	2
	Tahltan	0	4	0	1	0	0	5	41.9	0.7	4	6
	Stikine	0	0	0	0	0	0	0	1.3	0.4	0	1
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	0	8	0	4	0	0	12				

^a Percents may not sum to 100.

^b The standard errors are minimum estimates since no estimates of the variance for stocks contributing 0 fish during a given week or for the 'other' age class are available. The 90% confidence intervals are affected in a like manner.

Appendix C29.—Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan Subdistrict 106-30 drift gillnet fishery, 1995.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard Error ^b	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other				Lower	Upper
6/18-7/01	Alaska I	177	264	48	146	0	2	637	47.0	68.5	525	750
Wks 25-26	Alaska II	0	0	0	0	0	0	0	0.0	32.8	0	54
	Nass	91	225	18	7	0	1	342	25.2	73.1	222	462
	Skeena	0	69	0	0	0	0	69	5.1	70.6	0	186
	Tahltan	19	219	0	18	0	1	257	18.9	62.9	153	360
	Stikine	0	0	0	23	28	0	51	3.8	51.0	0	135
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	287	777	66	193	28	5	1,357				
	7/02-7/08	Alaska I	578	538	346	448	0	4	1,914	32.3	240.2	1,519
Week 27	Alaska II	0	27	0	0	0	0	27	0.5	105.3	0	200
	Nass	746	566	127	20	0	3	1,461	24.7	294.1	978	1,945
	Skeena	20	600	0	0	0	1	622	10.5	321.3	93	1,150
	Tahltan	365	1,322	0	56	0	4	1,747	29.5	272.5	1,299	2,195
	Stikine	0	0	0	70	85	0	155	2.6	166.9	0	430
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,709	3,054	473	594	85	12	5,927				
	7/09-7/15	Alaska I	569	1,014	369	557	0	9	2,518	46.6	250.4	2,106
Week 28	Alaska II	0	57	0	0	0	0	57	1.0	140.2	0	287
	Nass	124	383	135	25	0	2	670	12.4	262.3	238	1,101
	Skeena	207	988	0	0	0	4	1,200	22.2	312.0	686	1,713
	Tahltan	72	436	0	69	0	2	580	10.7	223.6	212	948
	Stikine	0	94	0	87	198	1	380	7.0	197.8	55	705
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	973	2,972	504	739	198	18	5,404				
	7/16-7/22	Alaska I	417	807	256	557	0	23	2,060	33.8	272.9	1,611
Week 29	Alaska II	0	534	0	0	0	6	540	8.9	228.0	165	915
	Nass	91	101	156	95	0	5	448	7.3	306.6	0	952
	Skeena	152	1,776	0	0	0	22	1,949	32.0	394.0	1,301	2,597
	Tahltan	53	0	0	0	0	1	53	0.9	215.1	0	407
	Stikine	0	468	0	98	475	6	1,047	17.2	260.3	619	1,475
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	712	3,686	412	750	475	62	6,097				
	7/23-7/29	Alaska I	686	1,685	491	876	0	20	3,757	34.0	522.5	2,898
Week 30	Alaska II	0	1,149	0	0	0	6	1,155	10.4	423.7	458	1,852
	Nass	413	690	300	149	0	8	1,560	14.1	608.0	560	2,560
	Skeena	614	2,935	0	0	0	19	3,567	32.2	740.4	2,349	4,785
	Tahltan	0	336	0	0	0	2	338	3.1	402.9	0	1,001
	Stikine	0	0	0	154	534	1	689	6.2	353.0	108	1,269
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,712	6,794	792	1,178	534	55	11,066				
	7/30-8/05	Alaska I	1,059	994	601	684	0	24	3,362	27.1	462.8	2,601
Week 31	Alaska II	0	541	0	0	0	4	545	4.4	327.6	6	1,084
	Nass	614	671	508	182	0	14	1,989	16.0	692.6	850	3,128
	Skeena	879	4,022	0	0	0	36	4,937	39.8	843.7	3,549	6,325
	Tahltan	0	323	0	11	0	2	336	2.7	430.5	0	1,044
	Stikine	0	391	0	0	836	3	1,231	9.9	380.6	605	1,857
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	2,551	6,942	1,108	878	836	84	12,400				
	8/06-8/12	Alaska I	1,065	860	593	734	0	19	3,272	28.5	435.0	2,556
Week 32	Alaska II	0	798	0	0	0	5	802	7.0	335.6	250	1,354
	Nass	0	0	502	196	0	4	702	6.1	618.5	0	1,719
	Skeena	1,388	4,970	0	0	0	38	6,396	55.6	810.3	5,063	7,729
	Tahltan	0	0	0	12	0	0	12	0.1	397.6	0	666
	Stikine	0	8	0	0	307	0	315	2.7	271.9	0	762
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	2,453	6,637	1,095	942	307	66	11,499				
	8/13-8/19	Alaska I	932	1,352	438	634	0	20	3,376	28.1	520.8	2,519
Week 33	Alaska II	0	651	0	0	0	4	655	5.4	349.3	80	1,229
	Nass	0	0	735	0	0	4	739	6.1	122.1	539	940
	Skeena	1,022	5,311	0	0	0	38	6,371	53.0	591.6	5,398	7,344
	Tahltan	0	0	0	0	0	0	0	0.0	464.0	0	763
	Stikine	0	275	0	286	322	3	886	7.4	406.9	217	1,556
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,955	7,589	1,173	920	322	69	12,027				

-continued-

Appendix C29.–Page 2 of 2.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard Error ^b	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other				Lower	Upper
8/20-9/30	Alaska I	378	193	155	308	0	2	1,037	13.3	219.1	676	1,397
Wks 34-39	Alaska II	0	331	0	0	0	1	332	4.2	193.4	14	650
	Nass	0	0	261	0	0	1	262	3.4	55.3	171	353
	Skeena	888	4,744	0	0	0	11	5,643	72.3	294.6	5,159	6,128
	Tahltan	0	0	0	0	0	0	0	0.0	0.0	0	0
	Stikine	0	164	0	139	231	1	535	6.8	259.4	108	961
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,265	5,432	417	447	231	15	7,808				
	Alaska I	5,861	7,707	3,298	4,944	0	123	21,933	29.8	1,093	20,134	23,731
	Alaska II	0	4,087	0	0	0	25	4,113	5.6	802	2,794	5,431
Season	Nass	2,079	2,636	2,742	673	0	43	8,173	11.1	1,227	6,155	10,191
Totals	Skeena	5,169	25,416	0	0	0	168	30,754	41.8	1,648	28,044	33,464
	Tahltan	509	2,637	0	167	0	11	3,324	4.5	946	1,768	4,881
	Stikine	0	1,400	0	857	3,016	15	5,288	7.2	845	3,899	6,678
	Tuya	0	0	0	0	0	0	0	0.0	0	0	0
	Total	13,618	43,883	6,040	6,641	3,016	386	73,585				

^a Percents may not sum to 100.

^b The standard errors are minimum estimates since no estimates of the variance for stocks contributing 0 fish during a given week or for the 'other' age class are available. The 90% confidence intervals are affected in a like manner.

Appendix C30.—Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska Subdistrict 106-30 drift gillnet fishery, 1995.

Stat Week	Days Open	Number Boats	Boat Days	Stock Group							Total
				Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	Tuya	
Catch per Boat Day											
25-26	4	20	80	8	0	4	1	3	1	0	17
27	2	31	62	31	0	24	10	28	3	0	96
28	2	44	88	29	1	8	14	7	4	0	61
29	2	45	90	23	6	5	22	1	12	0	68
30	3	45	135	28	9	12	26	3	5	0	82
31	2	53	106	32	5	19	47	3	12	0	117
32	2	54	108	30	7	6	59	0	3	0	107
33	3	68	204	17	3	4	31	0	4	0	59
34-39	14	216	3024	0	0	0	2	0	0	0	3
Total				197	32	81	212	44	43	0	609
Migratory Timing: estimated from the weekly proportion of stock-specific CPUE											
25-26			0.021	0.040	0.000	0.053	0.004	0.072	0.015	0.000	0.028
27			0.016	0.157	0.014	0.291	0.047	0.635	0.058	0.000	0.157
28			0.023	0.145	0.020	0.094	0.064	0.149	0.100	0.000	0.101
29			0.023	0.116	0.190	0.061	0.102	0.013	0.269	0.000	0.111
30			0.035	0.141	0.271	0.143	0.125	0.056	0.118	0.000	0.135
31			0.027	0.161	0.163	0.232	0.220	0.072	0.269	0.000	0.192
32			0.028	0.154	0.236	0.080	0.280	0.003	0.067	0.000	0.175
33			0.052	0.084	0.102	0.045	0.148	0.000	0.100	0.000	0.097
34-39			0.776	0.002	0.003	0.001	0.009	0.000	0.004	0.000	0.004
Total			1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000

Appendix C31.—Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan Subdistrict 106-41 drift gillnet fishery, 1995.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard	90% C.I. ^b		
		1.2	1.3	2.2	2.3	0.	Other			Error ^b	Lower	Upper	
6/18-6/24	Alaska I	237	509	172	259	0	2	1,180	18.5	276.6	725	1,635	
Week 25	Alaska II	0	36	0	0	0	0	36	0.6	142.7	0	271	
	Nass	310	827	66	170	0	3	1,374	21.6	400.5	716	2,033	
	Skeena	167	819	0	0	0	2	988	15.5	459.8	232	1,744	
	Tahltan	0	2,410	0	38	0	5	2,452	38.6	390.8	1,809	3,095	
	Stikine	0	156	0	97	75	1	329	5.2	239.1	0	722	
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0	
	Total	714	4,757	238	563	75	13	6,359					
	6/25-7/01	Alaska I	573	712	328	557	0	0	2,170	19.3	460.4	1,413	2,927
Week 26	Alaska II	0	0	0	0	0	0	0	0.0	213.0	0	350	
	Nass	749	1,063	126	364	0	0	2,303	20.5	609.7	1,300	3,305	
	Skeena	404	932	0	0	0	0	1,336	11.9	703.3	179	2,493	
	Tahltan	0	4,627	0	81	0	0	4,708	41.9	674.0	3,599	5,816	
	Stikine	0	386	0	208	121	0	716	6.4	444.8	0	1,447	
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0	
	Total	1,726	7,720	454	1,211	121	0	11,232					
	7/02-7/08	Alaska I	517	672	457	497	0	5	2,148	26.3	349.8	1,573	2,724
Week 27	Alaska II	0	293	0	0	0	1	293	3.6	206.5	0	633	
	Nass	505	542	176	127	0	3	1,352	16.5	393.0	706	1,999	
	Skeena	301	814	0	0	0	3	1,118	13.7	467.1	349	1,886	
	Tahltan	260	2,582	0	305	0	8	3,154	38.5	452.5	2,409	3,898	
	Stikine	0	0	0	0	119	0	119	1.4	307.9	0	625	
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0	
	Total	1,581	4,903	633	929	119	20	8,184					
	7/09-7/15	Alaska I	1,232	1,931	745	647	0	9	4,563	26.5	729.8	3,363	5,764
Week 28	Alaska II	0	375	0	0	0	1	376	2.2	436.5	0	1,094	
	Nass	479	268	401	165	0	2	1,315	7.6	992.1	0	2,947	
	Skeena	1,568	6,502	0	0	0	15	8,086	46.9	1,297.4	5,951	10,220	
	Tahltan	221	1,570	0	397	0	4	2,192	12.7	801.7	873	3,511	
	Stikine	0	270	0	0	446	1	716	4.2	550.1	0	1,621	
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0	
	Total	3,500	10,915	1,146	1,209	446	32	17,248					
	7/16-7/22	Alaska I	996	1,377	646	1,107	0	29	4,155	34.3	553.3	3,245	5,065
Week 29	Alaska II	0	1,513	0	0	0	11	1,523	12.6	479.0	735	2,311	
	Nass	321	1,034	348	62	0	12	1,777	14.7	702.4	621	2,932	
	Skeena	446	3,282	0	0	0	26	3,754	31.0	835.0	2,381	5,128	
	Tahltan	21	278	0	25	0	2	327	2.7	454.8	0	1,075	
	Stikine	0	81	0	84	406	1	572	4.7	417.2	0	1,258	
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0	
	Total	1,785	7,565	994	1,278	406	81	12,108					
	7/23-7/29	Alaska I	1,423	1,854	1,358	1,822	0	48	6,505	22.8	1,064.9	4,753	8,257
Week 30	Alaska II	0	1,600	0	0	0	12	1,612	5.6	865.9	187	3,036	
	Nass	934	0	1,289	598	0	21	2,842	9.9	1,740.8	0	5,705	
	Skeena	1,157	13,306	0	0	0	108	14,570	51.0	2,220.2	10,918	18,222	
	Tahltan	0	0	0	94	0	1	95	0.3	1,153.8	0	1,993	
	Stikine	0	1,571	0	389	967	15	2,942	10.3	1,073.2	1,177	4,707	
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0	
	Total	3,513	18,331	2,648	2,902	967	204	28,565					
	7/30-8/05	Alaska I	1,097	1,617	797	897	0	9	4,417	28.3	633.4	3,375	5,459
Week 31	Alaska II	0	1,165	0	0	0	2	1,168	7.5	490.5	361	1,975	
	Nass	822	255	757	294	0	4	2,132	13.6	850.4	733	3,531	
	Skeena	1,219	5,773	0	0	0	14	7,007	44.8	1,075.2	5,238	8,776	
	Tahltan	0	24	0	46	0	0	71	0.5	548.9	0	974	
	Stikine	0	115	0	191	528	1	835	5.3	463.9	72	1,598	
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0	
	Total	3,138	8,949	1,554	1,429	528	31	15,630					
	8/06-8/12	Alaska I	612	702	274	694	0	9	2,291	17.1	451.8	1,547	3,034
Week 32	Alaska II	0	529	0	0	0	2	531	4.0	350.0	0	1,107	
	Nass	0	0	970	0	0	4	974	7.3	810.5	0	2,307	
	Skeena	1,625	6,508	0	0	0	31	8,163	61.1	1,037.7	6,456	9,870	
	Tahltan	0	39	0	0	0	0	39	0.3	524.4	0	902	
	Stikine	177	633	0	351	199	4	1,365	10.2	445.2	633	2,097	
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0	
	Total	2,414	8,411	1,244	1,045	199	50	13,363					

-continued-

Appendix C31.–Page 2 of 2.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other			Error ^b	Lower	Upper
8/13-8/19	Alaska I	452	1,107	259	432	0	8	2,257	19.2	452.8	1,512	3,002
Week 33	Alaska II	0	433	0	0	0	2	435	3.7	288.4	0	909
	Nass	0	0	916	0	0	3	919	7.8	133.4	700	1,139
	Skeena	1,856	5,515	0	0	0	27	7,397	62.9	570.1	6,460	8,335
	Tahltan	0	153	0	0	0	1	153	1.3	480.4	0	943
	Stikine	126	51	0	218	210	1	606	5.2	356.8	19	1,193
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	2,433	7,258	1,175	650	210	42	11,768				
	8/20-9/30	Alaska I	231	0	137	403	0	1	772	8.7	263.5	339
Wks 34-39	Alaska II	0	739	0	0	0	1	741	8.4	291.9	261	1,221
	Nass	0	0	487	0	0	1	487	5.5	90.1	339	636
	Skeena	1,000	4,536	0	0	0	11	5,548	62.7	383.6	4,917	6,179
	Tahltan	0	0	0	0	0	0	0	0.0	97.7	0	161
	Stikine	0	963	0	204	135	2	1,304	14.7	415.0	621	1,987
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,231	6,239	624	607	135	17	8,852				
	Season	Alaska I	7,368	10,481	5,174	7,315	0	121	30,459	22.8	1,806	27,487
Alaska II		0	6,683	0	0	0	31	6,714	5.0	1,345	4,501	8,927
Totals	Nass	4,119	3,988	5,535	1,780	0	54	15,476	11.6	2,569	11,250	19,702
	Skeena	9,743	47,988	0	0	0	236	57,967	43.5	3,307	52,527	63,408
	Tahltan	502	11,682	0	986	0	21	13,190	9.9	1,952	9,979	16,400
	Stikine	303	4,226	0	1,743	3,205	25	9,503	7.1	1,640	6,805	12,202
	Tuya	0	0	0	0	0	0	0	0.0	0	0	0
	Total	22,036	85,047	10,708	11,825	3,205	489	133,309				

^a Percents may not sum to 100.

^b The standard errors are minimum estimates since no estimates of the variance for stocks contributing 0 fish during a given week or for the 'other' age class are available. The 90% confidence intervals are affected in a like manner.

Appendix C32.—Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska Subdistrict 106-41 drift gillnet fishery, 1995.

Stat Week	Days Open	Number Boats	Boat Days	Stock Group							Total
				Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	Tuya	
Catch per Boat Day											
25	2	59	118	10	0	12	8	21	3	0	54
26	2	77	154	14	0	15	9	31	5	0	73
27	2	67	134	16	2	10	8	24	1	0	61
28	2	77	154	30	2	9	53	14	5	0	112
29	2	78	156	27	10	11	24	2	4	0	78
30	3	76	228	29	7	12	64	0	13	0	125
31	2	82	164	27	7	13	43	0	5	0	95
32	2	68	136	17	4	7	60	0	10	0	98
33	3	67	201	11	2	5	37	1	3	0	59
34-39	14	331	4634	0	0	0	1	0	0	0	2
Total				180	35	94	307	93	48	0	757
Migratory Timing: estimated from the weekly proportion of stock-specific CPUE											
25				0.056	0.009	0.124	0.027	0.223	0.058	0.000	0.071
26				0.078	0.000	0.159	0.028	0.328	0.097	0.000	0.096
27				0.089	0.062	0.107	0.027	0.253	0.018	0.000	0.081
28				0.165	0.069	0.091	0.171	0.153	0.097	0.000	0.148
29				0.148	0.278	0.121	0.078	0.022	0.076	0.000	0.103
30				0.158	0.201	0.133	0.208	0.004	0.269	0.000	0.166
31				0.150	0.203	0.138	0.139	0.005	0.106	0.000	0.126
32				0.094	0.111	0.076	0.196	0.003	0.209	0.000	0.130
33				0.062	0.062	0.049	0.120	0.008	0.063	0.000	0.077
34-39				0.001	0.005	0.001	0.004	0.000	0.006	0.000	0.003
Total				1.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000

Appendix C33.—Estimated contributions of sockeye salmon stocks originating in Alaska and Canada to the Alaskan District 108 drift gillnet fishery, 1995.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard Error ^b	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other				Lower	Upper
6/11-6/17	Alaska I	6	37	5	8	0	0	56	25.5	11.1	38	74
Week 24	Alaska II	0	0	0	0	0	0	0	0.0	5.7	0	9
	Nass	3	43	4	2	0	0	51	23.5	13.1	30	73
	Skeena	6	0	0	0	0	0	6	2.9	12.6	0	27
	Tahltan	8	74	0	1	0	0	83	37.9	13.6	61	105
	Stikine	2	1	0	13	7	0	22	10.2	10.5	5	40
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	25	154	9	24	7	0	219				
	6/18-6/24	Alaska I	89	0	63	160	0	0	312	4.9	233.4	0
Week 25	Alaska II	0	13	0	0	0	0	13	0.2	134.7	0	235
	Nass	48	597	43	32	0	0	720	11.3	360.3	127	1,312
	Skeena	95	111	0	0	0	0	206	3.2	412.2	0	884
	Tahltan	122	3,908	0	26	0	0	4,056	63.6	437.8	3,336	4,776
	Stikine	23	719	0	254	71	0	1,066	16.7	342.2	503	1,629
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	377	5,348	106	471	71	0	6,373				
	6/25-7/01	Alaska I	676	209	369	501	0	7	1,761	7.3	839.0	381
Week 26	Alaska II	0	242	0	0	0	1	243	1.0	460.2	0	1,000
	Nass	365	2,464	251	100	0	13	3,193	13.3	1,433.1	836	5,550
	Skeena	718	2,440	0	0	0	13	3,171	13.2	1,719.8	342	6,000
	Tahltan	929	12,137	0	80	0	53	13,199	55.1	1,540.8	10,664	15,733
	Stikine	172	1,145	0	797	286	9	2,409	10.0	986.1	787	4,031
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	2,860	18,637	620	1,478	286	95	23,976				
	7/02-7/08	Alaska I	593	55	614	290	0	0	1,552	8.0	652.6	479
Week 27	Alaska II	0	505	0	0	0	0	505	2.6	447.7	0	1,242
	Nass	460	2,506	418	134	0	0	3,518	18.1	1,065.2	1,765	5,270
	Skeena	792	299	0	0	0	0	1,092	5.6	1,144.9	0	2,975
	Tahltan	1,064	9,078	0	0	0	0	10,142	52.2	1,136.7	8,272	12,012
	Stikine	371	1,232	0	609	405	0	2,617	13.5	823.4	1,263	3,972
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	3,281	13,676	1,032	1,032	405	0	19,426				
	7/09-7/15	Alaska I	807	291	218	273	0	3	1,591	12.4	450.3	851
Week 28	Alaska II	0	0	0	0	0	0	0	0.0	253.9	0	418
	Nass	263	487	149	126	0	2	1,026	8.0	554.5	114	1,939
	Skeena	401	888	0	0	0	2	1,291	10.1	695.9	147	2,436
	Tahltan	1,311	4,637	0	0	0	10	5,959	46.6	734.9	4,750	7,167
	Stikine	303	1,678	0	572	367	4	2,925	22.9	643.5	1,867	3,984
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	3,085	7,982	367	971	367	22	12,793				
	7/16-7/22	Alaska I	1,142	225	330	306	0	12	2,016	29.2	281.6	1,553
Week 29	Alaska II	0	322	0	0	0	2	324	4.7	211.5	0	672
	Nass	117	0	87	35	0	1	241	3.5	221.0	0	604
	Skeena	134	336	0	0	0	3	473	6.9	273.2	24	923
	Tahltan	742	875	0	0	0	10	1,627	23.6	316.3	1,107	2,147
	Stikine	103	1,788	0	145	167	13	2,216	32.1	369.4	1,608	2,823
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	2,238	3,545	417	487	167	42	6,896				
	7/23-7/29	Alaska I	359	545	149	243	0	3	1,298	26.7	232.1	916
Week 30	Alaska II	0	207	0	0	0	0	208	4.3	204.4	0	544
	Nass	166	38	39	28	0	1	272	5.6	183.2	0	573
	Skeena	46	106	0	0	0	0	152	3.1	180.2	0	449
	Tahltan	104	210	0	0	0	1	314	6.4	210.3	0	660
	Stikine	343	2,045	0	115	119	5	2,627	53.9	332.1	2,080	3,173
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	1,018	3,152	188	385	119	10	4,871				
	7/30-8/05	Alaska I	49	71	28	30	0	2	180	20.7	37.1	119
Week 31	Alaska II	0	0	0	0	0	0	0	0.0	31.4	0	52
	Nass	0	21	7	0	0	0	29	3.3	32.2	0	82
	Skeena	8	2	0	0	0	0	9	1.1	28.5	0	56
	Tahltan	19	3	0	0	0	0	22	2.5	30.6	0	72
	Stikine	120	433	0	27	45	5	631	72.4	55.9	539	723
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total	196	530	36	57	45	7	871				

-continued-

Appendix C33.—Page 2 of 2.

Dates	Stock Group	Catch By Age Class						Total	Percent ^a	Standard	90% C.I. ^b	
		1.2	1.3	2.2	2.3	0.	Other			Error ^b	Lower	Upper
8/06-9/23	Alaska I	26	17	67	129	0	0	239	18.0	59.5	141	337
Weeks 32-38	Alaska II	0	77	0	0	0	0	77	5.8	55.0	0	167
	Nass	0	0	18	0	0	0	18	1.3	7.5	5	30
	Skeena	4	169	0	0	0	0	174	13.0	56.7	80	267
	Tahltan	10	0	0	0	0	0	10	0.7	5.8	0	20
	Stikine	64	596	0	117	38	0	814	61.2	93.4	660	968
	Tuya	0	0	0	0	0	0	0	0.0	0.0	0	0
	Total		104	859	85	245	38	0	1,331			
Season	Alaska I	3,746	1,450	1,844	1,939	0	27	9,006	11.7	1,235	6,974	11,038
	Alaska II	0	1,367	0	0	0	3	1,370	1.8	765	111	2,628
	Nass	1,423	6,156	1,015	455	0	17	9,067	11.8	1,926	5,899	12,236
Totals	Skeena	2,203	4,353	0	0	0	18	6,575	8.6	2,244	2,884	10,265
	Tahltan	4,309	30,921	0	107	0	74	35,411	46.1	2,131	31,905	38,917
	Stikine	1,501	9,636	0	2,649	1,505	36	15,327	20.0	1,562	12,757	17,896
	Tuya	0	0	0	0	0	0	0	0.0	0	0	0
	Total	13,183	53,883	2,859	5,150	1,505	176	76,756				

^a Percents may not sum to 100.

^b The standard errors are minimum estimates since no estimates of the variance for stocks contributing 0 fish during a given week or for the 'other' age class are available. The 90% confidence intervals are affected in a like manner.

Appendix C34.—Estimated CPUE and migratory timing of sockeye salmon stocks in the Alaska District 108 drift gillnet fishery, 1995.

Stat Week	Days Open	Number Boats	Boat Days	Stock Group							Total
				Alaska I	Alaska II	Nass	Skeena	Tahltan	Stikine	Tuya	
Catch per Boat Day											
24	1	17	17	3	0	3	0	5	1	0	13
25	4	46	110	3	0	7	2	37	10	0	58
26	5	87	284	6	1	11	11	46	8	0	84
27	5	114	421	4	1	8	3	24	6	0	46
28	6	78	300	5	0	3	4	20	10	0	43
29	4	75	172	12	2	1	3	9	13	0	40
30	4	59	116	11	2	2	1	3	23	0	42
31	2	13	26	7	0	1	0	1	24	0	34
32-38	18	104	284	1	0	0	1	0	3	0	5
Total				52	6	38	25	145	98	0	364
Migratory Timing: estimated from the weekly proportion of stock-specific CPUE											
24				0.063	0.000	0.081	0.015	0.034	0.013	0.000	0.035
25				0.054	0.020	0.174	0.074	0.254	0.099	0.000	0.159
26				0.119	0.140	0.300	0.440	0.320	0.086	0.000	0.232
27				0.071	0.196	0.223	0.102	0.166	0.063	0.000	0.127
28				0.102	0.000	0.091	0.170	0.137	0.100	0.000	0.117
29				0.225	0.307	0.037	0.108	0.065	0.131	0.000	0.110
30				0.215	0.293	0.063	0.052	0.019	0.231	0.000	0.115
31				0.133	0.000	0.030	0.014	0.006	0.247	0.000	0.092
32-38				0.016	0.044	0.002	0.024	0.000	0.029	0.000	0.013
Total				1.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000

APPENDIX D. HISTORICAL CATCH

Appendix D1.—Estimated stock proportions of sockeye salmon catches in the Alaskan Subdistrict 106-30 gillnet fishery, 1985-1995. The Alaska I and Alaska II stock groups were combined in 1985 and the Nass and Skeena stock groups were combined prior to 1990. The last proportions in each column include data through the end of the season.

Stat. Week	Stock Group	Year With Dates of Statistical Week 25										
		1985 16-22	1986 15-21	1987 14-20	1988 12-18	1989 18-24	1990 17-23	1991 16-22	1992 14-20	1993 13-19	1994 12-18	1995 18-24
25	Alaska I	0.711	0.859	not	not	0.508	0.323	0.567	not	not	not	weeks
	Alaska II		0.042	open	open	0.147	0.375	0.000	open	open	open	25-26
	Nass	0.111	0.099			0.290	0.195	0.294				pooled
	Skeena						0.091	0.013				
	Tahltan	0.176	0.000			0.023	0.015	0.106				
	Stikine	0.001	0.000			0.033	0.000	0.021				
	Tuya							0.000				
26	Alaska I	0.675	0.836	0.621	0.768	0.426	0.207	0.519	0.667	0.555	0.588	0.470
	Alaska II		0.072	0.239	0.193	0.218	0.435	0.037	0.000	0.121	0.021	0.000
	Nass	0.175	0.092	0.025	0.038	0.308	0.213	0.290	0.183	0.171	0.157	0.252
	Skeena						0.067	0.050	0.025	0.000	0.000	0.051
	Tahltan	0.133	0.000	0.104	0.002	0.000	0.008	0.085	0.061	0.154	0.184	0.189
	Stikine	0.017	0.000	0.011	0.000	0.049	0.071	0.019	0.064	0.000	0.050	0.038
	Tuya							0.000	0.000	0.000	0.000	0.000
27	Alaska I	0.647	0.824	0.518	0.818	0.260	0.178	0.492	0.396	0.474	0.601	0.323
	Alaska II		0.017	0.358	0.126	0.366	0.257	0.027	0.042	0.086	0.000	0.005
	Nass	0.279	0.157	0.123	0.028	0.306	0.420	0.288	0.230	0.037	0.123	0.247
	Skeena						0.119	0.020	0.116	0.050	0.018	0.105
	Tahltan	0.074	0.002	0.001	0.028	0.005	0.000	0.120	0.037	0.323	0.188	0.295
	Stikine	0.000	0.000	0.000	0.000	0.063	0.026	0.053	0.179	0.029	0.070	0.026
	Tuya							0.000	0.000	0.000	0.000	0.000
28	Alaska I	0.519	not	0.738	0.689	0.226	0.214	0.475	0.562	0.395	0.653	0.466
	Alaska II		open	0.114	0.239	0.337	0.219	0.110	0.011	0.132	0.000	0.010
	Nass	0.448		0.145	0.073	0.405	0.278	0.286	0.172	0.092	0.049	0.124
	Skeena						0.266	0.017	0.044	0.250	0.013	0.222
	Tahltan	0.002		0.001	0.000	0.006	0.007	0.089	0.045	0.113	0.223	0.107
	Stikine	0.031		0.003	0.000	0.026	0.015	0.022	0.166	0.019	0.063	0.070
	Tuya							0.000	0.000	0.000	0.000	0.000
29	Alaska I	0.344	0.798	0.670	0.399	0.122	0.123	0.504	0.690	0.467	0.814	0.338
	Alaska II		0.146	0.131	0.419	0.661	0.460	0.218	0.000	0.072	0.000	0.089
	Nass	0.384	0.056	0.121	0.134	0.210	0.155	0.134	0.047	0.115	0.044	0.073
	Skeena						0.259	0.060	0.053	0.276	0.045	0.320
	Tahltan	0.270	0.000	0.009	0.048	0.000	0.003	0.073	0.008	0.008	0.077	0.009
	Stikine	0.002	0.000	0.068	0.000	0.007	0.000	0.011	0.202	0.062	0.021	0.172
	Tuya							0.000	0.000	0.000	0.000	0.000
30	Alaska I	0.392	0.615	0.471	0.395	0.200	0.217	0.464	0.688	0.320	0.665	0.340
	Alaska II		0.238	0.422	0.499	0.495	0.449	0.345	0.105	0.114	0.143	0.104
	Nass	0.582	0.147	0.108	0.081	0.296	0.172	0.107	0.090	0.132	0.022	0.141
	Skeena						0.162	0.048	0.056	0.259	0.100	0.322
	Tahltan	0.000	0.000	0.000	0.025	0.000	0.000	0.024	0.010	0.012	0.058	0.031
	Stikine	0.026	0.000	0.000	0.000	0.008	0.000	0.011	0.051	0.163	0.012	0.062
	Tuya							0.000	0.000	0.000	0.000	0.000
31	Alaska I	0.374	0.390	0.236	0.422	0.150	0.137	0.306	0.458	0.357	0.598	0.271
	Alaska II		0.401	0.570	0.568	0.476	0.530	0.435	0.189	0.090	0.067	0.044
	Nass	0.626	0.209	0.195	0.010	0.363	0.030	0.196	0.000	0.135	0.100	0.160
	Skeena						0.277	0.036	0.206	0.159	0.159	0.398
	Tahltan	0.000	0.000	0.000	0.000	0.000	0.000	0.026	0.011	0.009	0.063	0.027
	Stikine	0.000	0.000	0.000	0.000	0.011	0.025	0.000	0.137	0.251	0.014	0.099
	Tuya							0.000	0.000	0.000	0.000	0.000
32	Alaska I	0.703	0.364	0.257	0.400	0.143	0.183	0.401	0.463	0.289	0.514	0.285
	Alaska II		0.333	0.602	0.531	0.530	0.542	0.391	0.147	0.252	0.261	0.070
	Nass	0.285	0.292	0.141	0.069	0.319	0.036	0.179	0.000	0.151	0.046	0.061
	Skeena						0.217	0.006	0.162	0.156	0.170	0.556
	Tahltan	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.005	0.010	0.000	0.001
	Stikine	0.012	0.010	0.000	0.000	0.007	0.022	0.000	0.223	0.141	0.009	0.027
	Tuya							0.000	0.000	0.000	0.000	0.000

-continued-

Appendix D1.–Page 2 of 2.

Stat. Week	Stock Group	Year With Dates of Statistical Week 25										
		1985 16-22	1986 15-21	1987 14-20	1988 12-18	1989 18-24	1990 17-23	1991 16-22	1992 14-20	1993 13-19	1994 12-18	1995 18-24
33	Alaska I	0.499	0.352	0.518	0.498	0.179	0.199	0.365	0.517	0.213	0.507	0.281
	Alaska II		0.183	0.321	0.247	0.330	0.568	0.291	0.115	0.061	0.130	0.054
	Nass	0.488	0.465	0.133	0.254	0.483	0.049	0.172	0.000	0.000	0.079	0.061
	Skeena						0.182	0.132	0.241	0.522	0.266	0.530
	Tahltn	0.000	0.000	0.000	0.000	0.000	0.000	0.039	0.000	0.037	0.003	0.000
	Stikine	0.014	0.000	0.028	0.000	0.008	0.002	0.000	0.127	0.167	0.015	0.074
	Tuya							0.000	0.000	0.000	0.000	0.000
34	Alaska I	0.369	0.209	0.518	0.498	0.179	0.302	0.300	0.492	0.325	0.445	0.133
	Alaska II		0.147	0.321	0.247	0.330	0.338	0.218	0.058	0.047	0.170	0.042
	Nass	0.615	0.644	0.133	0.254	0.483	0.025	0.136	0.000	0.000	0.103	0.034
	Skeena						0.310	0.345	0.317	0.274	0.228	0.723
	Tahltn	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.091	0.052	0.000
	Stikine	0.016	0.000	0.028	0.000	0.008	0.025	0.002	0.133	0.264	0.002	0.068
	Tuya							0.000	0.000	0.000	0.000	0.000
35	Alaska I								0.422	0.281		
	Alaska II								0.076	0.047		
	Nass								0.000	0.000		
	Skeena								0.395	0.391		
	Tahltn								0.000	0.074		
	Stikine								0.107	0.207		
	Tuya								0.000	0.000		
Season	Alaska I	0.477	0.483	0.438	0.469	0.186	0.189	0.427	0.556	0.333	0.599	0.298
Totals	Alaska II	0.000	0.243	0.406	0.425	0.481	0.456	0.254	0.070	0.115	0.110	0.056
	Nass	0.453	0.272	0.140	0.084	0.317	0.124	0.191	0.098	0.097	0.071	0.111
	Skeena	0.000	0.000	0.000	0.000	0.000	0.216	0.065	0.112	0.258	0.134	0.418
	Tahltn	0.057	0.000	0.004	0.023	0.002	0.001	0.051	0.021	0.036	0.068	0.045
	Stikine	0.014	0.002	0.012	0.000	0.015	0.013	0.011	0.143	0.161	0.019	0.072
	Tuya							0.000	0.000	0.000	0.000	0.000

Appendix D2.— Estimated stock specific catches of sockeye salmon in the Alaskan Subdistrict 106-30 gillnet fishery, 1985-1995. The Alaska I and Alaska II stock groups were combined in 1985 and the Nass and Skeena stock groups were combined prior to 1990. The last catches in each column include data through the end of the season.

Stat. Week	Stock Group	Year With Dates of Statistical Week 25										
		1985 16-22	1986 15-21	1987 14-20	1988 12-18	1989 18-24	1990 17-23	1991 16-22	1992 14-20	1993 13-19	1994 12-18	1995 18-24
25	Alaska I	1,823	553	not	not	602	609	1,288	not	not	not	
	Alaska II		27	open	open	175	709	0	open	open	open	25-26
	Nass	284	64			345	368	667				pooled
	Skeena						172	30				
	Tahltan	451	0			27	28	240				
	Stikine	3	0			39	0	47				
	Tuya							0				
	Total	2,560	644			1,188	1,886	2,273				
26	Alaska I	6,907	537	810	430	754	357	1,529	1,149	450	782	637
	Alaska II		46	312	108	387	750	109	0	98	28	0
	Nass	1,791	59	33	21	546	368	856	314	139	208	342
	Skeena						116	147	44	0	0	69
	Tahltan	1,361	0	136	1	0	14	252	104	125	246	257
	Stikine	174	0	14	0	87	123	55	111	0	67	51
	Tuya							0	0	0	0	0
	Total	10,233	642	1,304	560	1,774	1,727	2,948	1,722	812	1,331	1,357
27	Alaska I	4,876	3,539	1,512	2,258	650	540	1,207	2,885	702	1,296	1,914
	Alaska II		73	1,045	348	915	779	67	303	128	0	27
	Nass	2,103	674	359	77	765	1,273	708	1,676	55	266	1,461
	Skeena						361	48	843	74	39	622
	Tahltan	558	9	3	77	13	0	295	267	479	405	1,747
	Stikine	0	0	0	0	158	79	130	1,307	42	151	155
	Tuya							0	0	0	0	0
	Total	7,536	4,295	2,918	2,760	2,500	3,031	2,455	7,282	1,481	2,157	5,927
28	Alaska I	5,984	not	4,105	2,001	3,976	1,345	3,452	7,269	1,864	2,604	2,518
	Alaska II		open	635	695	5,929	1,376	803	137	623	0	57
	Nass	5,165		808	212	7,125	1,753	2,076	2,232	432	195	670
	Skeena						1,672	126	569	1,180	52	1,200
	Tahltan	23		6	0	106	44	646	588	532	889	580
	Stikine	357		17	0	457	94	163	2,146	90	250	380
	Tuya							0	0	0	0	0
	Total	11,530		5,570	2,909	17,593	6,284	7,266	12,942	4,721	3,990	5,404
29	Alaska I	3,640	6,303	5,720	3,909	2,428	1,097	4,391	4,748	4,231	4,907	2,060
	Alaska II		1,153	1,117	4,105	13,154	4,103	1,899	0	654	0	540
	Nass	4,063	442	1,032	1,313	4,179	1,383	1,169	327	1,047	265	448
	Skeena						2,310	525	367	2,503	268	1,949
	Tahltan	2,857	0	77	470	0	27	633	54	69	466	53
	Stikine	21	0	580	0	139	0	99	1,390	563	124	1,047
	Tuya							0	0	0	0	0
	Total	10,582	7,899	8,525	9,796	19,900	8,920	8,715	6,885	9,067	6,031	6,097
30	Alaska I	7,550	5,237	5,001	3,111	3,750	4,476	3,427	7,435	3,870	4,610	3,757
	Alaska II		2,027	4,490	3,930	9,301	9,261	2,549	1,133	1,377	993	1,155
	Nass	11,210	1,252	1,149	638	5,551	3,548	791	974	1,593	153	1,560
	Skeena						3,341	352	601	3,135	696	3,567
	Tahltan	0	0	0	197	0	0	178	111	150	401	338
	Stikine	501	0	0	0	150	0	85	550	1,967	81	689
	Tuya							0	0	0	0	0
	Total	19,261	8,515	10,640	7,875	18,752	20,625	7,381	10,804	12,093	6,934	11,066
31	Alaska I	6,349	5,592	3,013	1,330	1,646	2,328	2,737	2,821	5,371	8,792	3,362
	Alaska II		5,750	7,264	1,790	5,224	9,023	3,884	1,167	1,351	980	545
	Nass	10,626	2,997	2,489	32	3,984	510	1,751	0	2,023	1,466	1,989
	Skeena						4,707	325	1,268	2,389	2,338	4,937
	Tahltan	0	0	0	0	0	0	235	66	129	926	336
	Stikine	0	0	0	0	121	425	0	843	3,779	202	1,231
	Tuya							0	0	0	0	0
	Total	16,975	14,339	12,766	3,152	10,974	16,992	8,932	6,165	15,041	14,704	12,400

-continued-

Appendix D2.–Page 2 of 2.

Stat. Week	Stock Group	Year With Dates of Statistical Week 25										
		1985 16-22	1986 15-21	1987 14-20	1988 12-18	1989 18-24	1990 17-23	1991 16-22	1992 14-20	1993 13-19	1994 12-18	1995 18-24
32	Alaska I	2,675	3,666	3,072	2,162	939	1,878	2,351	2,014	3,996	4,995	3,272
	Alaska II		3,345	7,196	2,870	3,487	5,562	2,290	638	3,472	2,541	802
	Nass	1,084	2,933	1,685	373	2,095	369	1,050	0	2,086	448	702
	Skeena						2,227	38	704	2,155	1,652	6,396
	Tahltan	0	0	0	0	0	0	129	23	145	0	12
	Stikine	46	100	0	0	46	226	0	973	1,949	89	315
	Tuya							0	0	0	0	0
	Total	3,805	10,045	11,953	5,404	6,567	10,262	5,859	4,353	13,803	9,724	11,499
33	Alaska I	2,636	2,040	1,718	135	554	1,350	1,910	1,649	2,251	1,713	3,376
	Alaska II		1,061	1,064	67	1,022	3,854	1,524	366	647	441	655
	Nass	2,583	2,695	441	69	1,495	332	898	0	0	268	739
	Skeena						1,235	692	769	5,502	899	6,371
	Tahltan	0	0	0	0	0	0	204	0	387	10	0
	Stikine	74	0	93	0	25	14	0	403	1,764	50	886
	Tuya							0	0	0	0	0
	Total	5,294	5,796	3,316	270	3,096	6,785	5,228	3,187	10,551	3,381	12,027
34	Alaska I	1,890	1,732				1,320	1,108	637	1,774	2,344	1,037
	Alaska II		1,218				1,477	805	76	255	894	332
	Nass	3,151	5,337				109	501	0	0	541	262
	Skeena						1,355	1,273	410	1,494	1,204	5,643
	Tahltan	0	0				0	0	0	496	275	0
	Stikine	82	0				109	6	172	1,440	12	535
	Tuya							0	0	0	0	0
	Total	5,123	8,287				4,371	3,692	1,294	5,459	5,270	7,808
35	Alaska I								807	861		
	Alaska II								145	145		
	Nass								0	0		
	Skeena								756	1,200		
	Tahltan								0	226		
	Stikine								205	636		
	Tuya								0	0		
	Total								1,913	3,068		
Season	Alaska I	44,331	29,200	24,950	15,334	15,300	15,300	23,399	31,415	25,370	32,042	21,933
Totals	Alaska II		14,700	23,122	13,912	39,592	36,894	13,929	3,965	8,750	5,876	4,113
	Nass	42,061	16,453	7,996	2,734	26,084	10,013	10,467	5,523	7,375	3,810	8,173
	Skeena						17,495	3,557	6,330	19,631	7,149	30,754
	Tahltan	5,249	9	221	745	145	113	2,812	1,214	2,738	3,618	3,324
	Stikine	1,258	100	704	0	1,222	1,069	585	8,099	12,232	1,028	5,288
	Tuya							0	0	0	0	0
	Total	92,899	60,462	56,992	32,726	82,344	80,883	54,749	56,547	76,096	53,522	73,585

Appendix D3.—Estimated stock proportions of sockeye salmon catches in the Alaskan Subdistrict 106-41 gillnet fishery, 1985-1995. The Alaska I and Alaska II stock groups were combined in 1985 and the Nass and Skeena stock groups were combined prior to 1990. The last proportions in each column include data through the end of the season.

Stat. Week	Stock Group	Year With Dates of Statistical Week 25										
		1985 16-22	1986 15-21	1987 14-20	1988 12-18	1989 18-24	1990 17-23	1991 16-22	1992 14-20	1993 13-19	1994 12-18	1995 18-24
25	Alaska I	0.773	0.853	not	not	0.183	0.185	0.246	not	not	not	0.185
	Alaska II		0.000	open	open	0.306	0.331	0.035	open	open	open	0.006
	Nass	0.124	0.147			0.419	0.321	0.316				0.216
	Skeena						0.090	0.069				0.155
	Tahltan	0.103	0.000			0.032	0.018	0.228				0.386
	Stikine	0.000	0.000			0.060	0.055	0.105				0.052
	Tuya							0.000				0.000
26	Alaska I	not	0.829	0.751	0.823	0.377	0.087	0.163	0.255	0.311	0.288	0.193
	Alaska II	open	0.005	0.161	0.060	0.136	0.321	0.030	0.000	0.000	0.004	0.000
	Nass		0.146	0.075	0.031	0.302	0.462	0.320	0.176	0.181	0.129	0.205
	Skeena						0.082	0.073	0.070	0.000	0.079	0.119
	Tahltan		0.020	0.013	0.085	0.085	0.026	0.396	0.437	0.449	0.451	0.419
	Stikine		0.000	0.000	0.000	0.100	0.022	0.018	0.062	0.059	0.048	0.064
	Tuya							0.000	0.000	0.000	0.000	0.000
27	Alaska I	0.452	0.656	0.722	0.706	0.292	0.135	0.285	0.270	0.314	0.390	0.263
	Alaska II		0.041	0.133	0.132	0.203	0.309	0.000	0.025	0.000	0.000	0.036
	Nass	0.187	0.182	0.133	0.091	0.318	0.332	0.368	0.137	0.043	0.082	0.165
	Skeena						0.179	0.058	0.229	0.187	0.000	0.137
	Tahltan	0.347	0.090	0.013	0.071	0.027	0.025	0.254	0.178	0.403	0.488	0.385
	Stikine	0.013	0.032	0.000	0.000	0.160	0.020	0.035	0.162	0.053	0.040	0.014
	Tuya							0.000	0.000	0.000	0.000	0.000
28	Alaska I	0.449	not	0.425	0.663	0.119	0.214	0.354	0.538	0.287	0.387	0.265
	Alaska II		open	0.194	0.154	0.454	0.322	0.089	0.039	0.043	0.007	0.022
	Nass	0.306		0.327	0.132	0.381	0.151	0.307	0.167	0.116	0.095	0.076
	Skeena						0.279	0.133	0.044	0.147	0.098	0.469
	Tahltan	0.240		0.051	0.050	0.000	0.012	0.098	0.139	0.312	0.371	0.127
	Stikine	0.005		0.003	0.000	0.045	0.022	0.019	0.072	0.095	0.041	0.042
	Tuya							0.000	0.000	0.000	0.000	0.000
29	Alaska I	0.522	not	0.721	0.504	0.545	0.189	0.373	0.700	0.197	0.506	0.343
	Alaska II		open	0.152	0.393	0.258	0.464	0.110	0.075	0.000	0.032	0.126
	Nass	0.341		0.118	0.092	0.191	0.070	0.310	0.078	0.141	0.159	0.147
	Skeena						0.265	0.102	0.078	0.215	0.068	0.310
	Tahltan	0.129		0.008	0.011	0.000	0.008	0.012	0.031	0.160	0.177	0.027
	Stikine	0.008		0.000	0.000	0.005	0.005	0.093	0.038	0.287	0.059	0.047
	Tuya							0.000	0.000	0.000	0.000	0.000
30	Alaska I	0.503	0.419	0.514	0.389	0.211	0.283	0.332	0.603	0.396	0.539	0.228
	Alaska II		0.359	0.388	0.470	0.572	0.325	0.318	0.157	0.135	0.108	0.056
	Nass	0.468	0.217	0.074	0.136	0.212	0.115	0.148	0.092	0.148	0.021	0.099
	Skeena						0.267	0.068	0.083	0.155	0.155	0.510
	Tahltan	0.000	0.000	0.008	0.006	0.000	0.001	0.099	0.010	0.077	0.112	0.003
	Stikine	0.029	0.005	0.015	0.000	0.004	0.008	0.034	0.054	0.089	0.066	0.103
	Tuya							0.000	0.000	0.000	0.000	0.000
31	Alaska I	0.393	0.383	0.432	0.370	0.510	0.206	0.323	0.493	0.341	0.421	0.283
	Alaska II		0.342	0.446	0.583	0.168	0.418	0.314	0.139	0.031	0.075	0.075
	Nass	0.607	0.237	0.122	0.047	0.307	0.000	0.273	0.033	0.159	0.055	0.136
	Skeena						0.336	0.032	0.203	0.114	0.380	0.448
	Tahltan	0.000	0.037	0.000	0.000	0.000	0.000	0.000	0.016	0.045	0.019	0.005
	Stikine	0.000	0.001	0.000	0.000	0.015	0.039	0.058	0.116	0.310	0.051	0.053
	Tuya							0.000	0.000	0.000	0.000	0.000
32	Alaska I	0.535	0.382	0.299	0.532	0.143	0.233	0.299	0.579	0.358	0.587	0.171
	Alaska II		0.302	0.496	0.370	0.516	0.410	0.402	0.118	0.138	0.144	0.040
	Nass	0.465	0.317	0.205	0.089	0.330	0.022	0.245	0.000	0.195	0.054	0.073
	Skeena						0.287	0.021	0.198	0.118	0.154	0.611
	Tahltan	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.012	0.013	0.060	0.003
	Stikine	0.000	0.000	0.000	0.009	0.011	0.049	0.019	0.094	0.178	0.002	0.102
	Tuya							0.000	0.000	0.000	0.000	0.000
33	Alaska I	0.356	0.239	0.511	0.348	0.162	0.269	0.348	0.458	0.256	0.416	0.192
	Alaska II		0.221	0.283	0.213	0.362	0.389	0.166	0.085	0.042	0.116	0.037
	Nass	0.629	0.532	0.207	0.440	0.463	0.035	0.270	0.000	0.000	0.081	0.078
	Skeena						0.303	0.162	0.196	0.457	0.336	0.629
	Tahltan	0.000	0.009	0.000	0.000	0.000	0.000	0.052	0.000	0.056	0.049	0.013
	Stikine	0.015	0.000	0.000	0.000	0.012	0.004	0.002	0.261	0.189	0.002	0.052
	Tuya							0.000	0.000	0.000	0.000	0.000

-continued-

Appendix D3.—Page 2 of 2.

Stat. Week	Stock Group	Year With Dates of Statistical Week 25										
		1985 16-22	1986 15-21	1987 14-20	1988 12-18	1989 18-24	1990 17-23	1991 16-22	1992 14-20	1993 13-19	1994 12-18	1995 18-24
34	Alaska I	0.425	0.244	0.511	0.348	0.162	0.220	0.324	0.440	0.362	0.308	0.087
	Alaska II		0.188	0.283	0.213	0.362	0.361	0.138	0.005	0.006	0.118	0.084
	Nass	0.533	0.568	0.207	0.440	0.463	0.058	0.277	0.000	0.000	0.099	0.055
	Skeena						0.344	0.261	0.385	0.482	0.387	0.627
	Tahltan	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.069	0.083	0.000
	Stikine	0.042	0.000	0.000	0.000	0.012	0.016	0.000	0.170	0.081	0.005	0.147
	Tuya							0.000	0.000	0.000	0.000	0.000
35	Alaska I								0.349	0.269	0.330	
	Alaska II								0.000	0.090	0.110	
	Nass								0.000	0.000	0.117	
	Skeena								0.505	0.460	0.361	
	Tahltan								0.000	0.034	0.077	
	Stikine								0.147	0.146	0.005	
	Tuya								0.000	0.000	0.000	
Season	Alaska I	0.480	0.422	0.524	0.506	0.317	0.217	0.306	0.500	0.312	0.456	0.228
Totals	Alaska II	0.000	0.240	0.292	0.365	0.339	0.362	0.152	0.078	0.054	0.070	0.050
	Nass	0.401	0.308	0.166	0.109	0.300	0.137	0.282	0.097	0.115	0.080	0.116
	Skeena	0.000	0.000	0.000	0.000	0.000	0.258	0.093	0.142	0.209	0.189	0.435
	Tahltan	0.109	0.024	0.014	0.019	0.009	0.008	0.129	0.088	0.133	0.163	0.099
	Stikine	0.010	0.006	0.003	0.001	0.036	0.018	0.039	0.096	0.177	0.042	0.071
	Tuya							0.000	0.000	0.000	0.000	0.000

Appendix D4.—Estimated stock specific catch of sockeye salmon in the Alaskan Subdistrict 106-41 gillnet fishery, 1985-1995. The Alaska I and Alaska II stock groups were combined in 1985 and the Nass and Skeena stock groups were combined prior to 1990. The last catches in each column include data through the end of the season.

Stat. Week	Stock Group	Year With Dates of Statistical Week 25										
		1985 16-22	1986 15-21	1987 14-20	1988 12-18	1989 18-24	1990 17-23	1991 16-22	1992 14-20	1993 13-19	1994 12-18	1995 18-24
25	Alaska I	7,454	1,660	not	not	924	583	1,088	not	not	not	1,180
	Alaska II		0	open	open	1,545	1,043	155	open	open	open	36
	Nass	1,196	286			2,116	1,011	1,399				1,374
	Skeena						284	307				988
	Tahltan	993	0			162	57	1,010				2,452
	Stikine	0	0			303	173	465				329
	Tuya							0				0
	Total	9,643	1,946			5,049	3,151	4,424				6,359
26	Alaska I	not	2,526	2,888	1,395	2,621	397	2,161	1,646	989	1,091	2,170
	Alaska II	open	15	619	102	946	1,466	394	0	0	17	0
	Nass		445	288	52	2,100	2,110	4,253	1,136	576	491	2,303
	Skeena						374	976	449	0	300	1,336
	Tahltan		61	50	144	591	119	5,261	2,821	1,427	1,713	4,708
	Stikine		0	0	0	695	100	237	398	188	182	716
	Tuya							0	0	0	0	0
	Total		3,047	3,845	1,693	6,953	4,567	13,281	6,451	3,180	3,794	11,232
27	Alaska I	9,446	8,576	5,418	4,064	2,161	1,308	2,233	8,085	3,963	4,751	2,148
	Alaska II		537	999	760	1,503	2,995	0	736	0	0	293
	Nass	3,899	2,383	999	524	2,354	3,217	2,881	4,102	547	1,004	1,352
	Skeena						1,735	455	6,858	2,355	0	1,118
	Tahltan	7,236	1,178	98	409	200	242	1,986	5,346	5,078	5,954	3,154
	Stikine	271	419	0	0	1,184	194	277	4,851	671	483	119
	Tuya							0	0	0	0	0
	Total	20,852	13,093	7,514	5,756	7,402	9,691	7,832	29,978	12,614	12,192	8,184
28	Alaska I	11,706	not	6,449	3,904	2,835	4,122	5,363	12,651	3,778	7,417	4,563
	Alaska II		open	2,944	905	10,840	6,202	1,349	921	568	144	376
	Nass	7,978		4,962	776	9,077	2,909	4,655	3,926	1,525	1,828	1,315
	Skeena						5,374	2,008	1,042	1,942	1,882	8,086
	Tahltan	6,257		774	294	0	231	1,484	3,271	4,110	7,095	2,192
	Stikine	130		46	0	1,072	424	283	1,685	1,249	784	716
	Tuya							0	0	0	0	0
	Total	26,071		15,175	5,879	23,825	19,262	15,143	23,497	13,172	19,150	17,248
29	Alaska I	17,392	not	9,935	7,521	11,289	3,423	4,444	18,480	3,459	13,534	4,155
	Alaska II		open	2,092	5,864	5,334	8,386	1,314	1,975	0	846	1,523
	Nass	11,361		1,624	1,373	3,949	1,268	3,687	2,067	2,472	4,243	1,777
	Skeena						4,800	1,220	2,063	3,775	1,807	3,754
	Tahltan	4,298		110	164	0	145	138	805	2,810	4,726	327
	Stikine	267		0	0	103	91	1,102	1,006	5,032	1,590	572
	Tuya							0	0	0	0	0
	Total	33,318		13,761	14,922	20,675	18,113	11,905	26,397	17,549	26,745	12,108
30	Alaska I	13,937	5,308	7,226	4,022	3,338	8,562	4,315	14,810	5,523	16,598	6,505
	Alaska II		4,548	5,444	4,849	9,064	9,863	4,128	3,852	1,886	3,317	1,612
	Nass	12,967	2,749	1,038	1,406	3,354	3,479	1,923	2,260	2,059	638	2,842
	Skeena						8,078	883	2,040	2,165	4,769	14,570
	Tahltan	0	0	112	62	0	30	1,289	246	1,079	3,452	95
	Stikine	804	63	210	0	63	242	446	1,337	1,235	2,026	2,942
	Tuya							0	0	0	0	0
	Total	27,708	12,669	14,031	10,340	15,819	30,256	12,984	24,546	13,947	30,800	28,565
31	Alaska I	13,156	7,371	4,420	3,289	9,149	2,101	3,258	9,750	7,920	12,536	4,417
	Alaska II		6,582	4,563	5,183	3,014	4,273	3,164	2,744	716	2,229	1,168
	Nass	20,319	4,561	1,248	418	5,507	0	2,747	657	3,700	1,625	2,132
	Skeena						3,426	319	4,021	2,645	11,290	7,007
	Tahltan	0	712	0	0	0	0	0	313	1,041	565	71
	Stikine	0	19	0	0	269	398	583	2,305	7,210	1,503	835
	Tuya							0	0	0	0	0
	Total	33,475	19,246	10,232	8,890	17,939	10,197	10,071	19,790	23,232	29,747	15,630

-continued-

Appendix D4.–Page 2 of 2.

Stat. Week	Stock Group	Year With Dates of Statistical Week 25										
		1985 16-22	1986 15-21	1987 14-20	1988 12-18	1989 18-24	1990 17-23	1991 16-22	1992 14-20	1993 13-19	1994 12-18	1995 18-24
32	Alaska I	5,165	5,629	3,311	3,726	575	988	1,196	4,205	7,441	8,068	2,291
	Alaska II		4,462	5,493	2,591	2,073	1,734	1,608	857	2,856	1,983	531
	Nass	4,489	4,683	2,270	623	1,326	93	979	0	4,049	740	974
	Skeena						1,217	84	1,440	2,449	2,114	8,163
	Tahltan	0	0	0	0	0	0	63	85	265	824	39
	Stikine	0	0	0	63	44	208	74	679	3,704	26	1,365
	Tuya						0	0	0	0	0	0
	Total	9,654	14,774	11,075	7,004	4,018	4,240	4,004	7,266	20,763	13,755	13,363
33	Alaska I	2,647	3,362	1,756	800	717	692	1,727	1,801	3,088	4,667	2,257
	Alaska II		3,109	975	490	1,603	1,001	825	335	505	1,306	435
	Nass	4,676	7,469	713	1,010	2,054	90	1,341	0	0	909	919
	Skeena						780	807	773	5,508	3,775	7,397
	Tahltan	0	127	0	0	0	0	259	0	677	551	153
	Stikine	112	0	0	0	53	10	10	1,027	2,284	22	606
	Tuya						0	0	0	0	0	0
	Total	7,434	14,066	3,444	2,300	4,427	2,573	4,969	3,937	12,061	11,230	11,768
34	Alaska I	1,672	1,563				632	1,537	823	3,153	1,581	772
	Alaska II		1,204				1,040	655	10	54	605	741
	Nass	2,096	3,639				167	1,313	0	0	509	487
	Skeena						988	1,238	720	4,203	1,984	5,548
	Tahltan	0	0				0	0	0	604	424	0
	Stikine	165	0				46	0	319	705	27	1,304
	Tuya						0	0	0	0	0	0
	Total	3,933	6,406				2,872	4,743	1,872	8,719	5,129	8,852
35	Alaska I								1,003	1,243	1,646	
	Alaska II								0	416	547	
	Nass								0	0	584	
	Skeena								1,450	2,128	1,800	
	Tahltan								0	158	383	
	Stikine								421	677	24	
	Tuya								0	0	0	
	Total								2,874	4,622	4,984	
Season	Alaska I	82,574	35,995	41,404	28,721	33,609	22,809	27,322	73,254	40,557	71,889	30,459
Totals	Alaska II		20,457	23,129	20,745	35,922	38,003	13,591	11,431	7,000	10,993	6,714
	Nass	68,982	26,215	13,144	6,182	31,836	14,345	25,178	14,150	14,928	12,570	15,476
	Skeena						27,056	8,296	20,856	27,170	29,720	57,967
	Tahltan	18,784	2,078	1,144	1,073	952	824	11,491	12,888	17,249	25,687	13,190
	Stikine	1,748	502	256	63	3,788	1,886	3,477	14,029	22,956	6,667	9,503
	Tuya						0	0	0	0	0	0
	Total	172,088	85,247	79,077	56,784	106,107	104,922	89,356	146,608	129,859	157,526	133,309

Appendix D5.—Estimated proportions of sockeye salmon in the Alaskan District 106 gillnet fishery, 1983-1995. The Alaska I and Alaska II stock groups were combined prior to 1986 and the Nass and Skeena stock groups were combined prior to 1990. The last proportions in each column include data through the end of the season. Subdistrict 106-30 was open but 106-41 was not during weeks 25-28 in 1984, week 26 in 1985, and week 29 in 1986.

Stat. Week	Stock Group	Year With Dates of Statistical Week 25												
		1983 12-18	1984 17-23	1985 16-22	1986 15-21	1987 14-20	1988 12-18	1989 18-24	1990 17-23	1991 16-22	1992 14-20	1993 13-19	1994 12-18	1995 18-24
25	Alaska I	not	0.809	0.760	0.854	not	not	0.245	0.237	0.355	not	not	not	not
	Alaska II	open	0.000	0.000	0.010	open	open	0.276	0.348	0.023	open	open	open	25-26
	Nass		0.119	0.121	0.135			0.394	0.274	0.309				pooled
	Skeena								0.090	0.050				
	Tahltan		0.066	0.118	0.000			0.030	0.017	0.187				
	Stikine		0.005	0.000	0.000			0.055	0.034	0.076				
	Tuya									0.000				
26	Alaska I	0.590	0.723	0.675	0.830	0.718	0.810	0.387	0.120	0.227	0.342	0.361	0.366	0.210
	Alaska II	0.000	0.000	0.000	0.017	0.181	0.093	0.153	0.352	0.031	0.000	0.025	0.009	0.002
	Nass	0.296	0.152	0.175	0.137	0.062	0.033	0.303	0.394	0.315	0.178	0.179	0.136	0.212
	Skeena								0.078	0.069	0.060	0.000	0.059	0.126
	Tahltan	0.095	0.076	0.133	0.017	0.036	0.064	0.068	0.021	0.340	0.358	0.389	0.382	0.391
	Stikine	0.019	0.049	0.017	0.000	0.003	0.000	0.090	0.035	0.018	0.062	0.047	0.049	0.058
	Tuya									0.000	0.000	0.000	0.000	0.000
27	Alaska I	0.572	0.710	0.505	0.697	0.664	0.742	0.284	0.145	0.334	0.294	0.331	0.421	0.288
	Alaska II	0.000	0.000	0.000	0.035	0.196	0.130	0.244	0.297	0.007	0.028	0.009	0.000	0.023
	Nass	0.233	0.140	0.211	0.176	0.130	0.071	0.315	0.353	0.349	0.155	0.043	0.089	0.199
	Skeena								0.165	0.049	0.207	0.172	0.003	0.123
	Tahltan	0.188	0.109	0.275	0.068	0.010	0.057	0.021	0.019	0.222	0.151	0.394	0.443	0.347
	Stikine	0.007	0.040	0.010	0.024	0.000	0.000	0.136	0.021	0.040	0.165	0.051	0.044	0.019
	Tuya									0.000	0.000	0.000	0.000	0.000
28	Alaska I	0.722	0.648	0.470	not	0.509	0.672	0.164	0.214	0.393	0.547	0.315	0.433	0.313
	Alaska II	0.000	0.000	0.000	open	0.173	0.182	0.405	0.297	0.096	0.029	0.067	0.006	0.019
	Nass	0.150	0.241	0.350		0.278	0.112	0.391	0.182	0.300	0.169	0.109	0.087	0.088
	Skeena								0.276	0.095	0.044	0.174	0.084	0.410
	Tahltan	0.121	0.107	0.167		0.038	0.033	0.003	0.011	0.095	0.106	0.259	0.345	0.122
	Stikine	0.007	0.005	0.013		0.003	0.000	0.037	0.020	0.020	0.105	0.075	0.045	0.048
	Tuya									0.000	0.000	0.000	0.000	0.000
29	Alaska I	0.802	0.694	0.479	0.798	0.702	0.462	0.338	0.167	0.428	0.698	0.289	0.563	0.341
	Alaska II	0.000	0.000	0.000	0.146	0.144	0.403	0.456	0.462	0.156	0.059	0.025	0.026	0.113
	Nass	0.059	0.163	0.351	0.056	0.119	0.109	0.200	0.098	0.235	0.072	0.132	0.138	0.122
	Skeena								0.263	0.085	0.073	0.236	0.063	0.313
	Tahltan	0.083	0.016	0.163	0.000	0.008	0.026	0.000	0.006	0.037	0.026	0.108	0.158	0.021
	Stikine	0.056	0.126	0.007	0.000	0.026	0.000	0.006	0.003	0.058	0.072	0.210	0.052	0.089
	Tuya									0.000	0.000	0.000	0.000	0.000
30	Alaska I	0.747	0.672	0.457	0.498	0.496	0.392	0.205	0.256	0.380	0.629	0.361	0.562	0.259
	Alaska II	0.000	0.000	0.000	0.310	0.403	0.482	0.531	0.376	0.328	0.141	0.125	0.114	0.070
	Nass	0.117	0.310	0.515	0.189	0.089	0.112	0.258	0.138	0.133	0.091	0.140	0.021	0.111
	Skeena								0.224	0.061	0.075	0.204	0.145	0.458
	Tahltan	0.131	0.000	0.000	0.000	0.005	0.014	0.000	0.001	0.072	0.010	0.047	0.102	0.011
	Stikine	0.005	0.019	0.028	0.003	0.009	0.000	0.006	0.005	0.026	0.053	0.123	0.056	0.092
	Tuya									0.000	0.000	0.000	0.000	0.000
31	Alaska I	0.578	0.543	0.387	0.386	0.323	0.384	0.373	0.163	0.315	0.484	0.347	0.480	0.278
	Alaska II	0.000	0.000	0.000	0.367	0.514	0.579	0.285	0.489	0.371	0.151	0.054	0.072	0.061
	Nass	0.405	0.431	0.613	0.225	0.163	0.037	0.328	0.019	0.237	0.025	0.150	0.070	0.147
	Skeena								0.299	0.034	0.204	0.132	0.307	0.426
	Tahltan	0.017	0.000	0.000	0.021	0.000	0.000	0.000	0.000	0.012	0.015	0.031	0.034	0.015
	Stikine	0.000	0.026	0.000	0.001	0.000	0.000	0.013	0.030	0.031	0.121	0.287	0.038	0.074
	Tuya									0.000	0.000	0.000	0.000	0.000
32	Alaska I	0.628	0.701	0.582	0.375	0.277	0.475	0.143	0.198	0.360	0.535	0.331	0.556	0.224
	Alaska II	0.000	0.000	0.000	0.315	0.551	0.440	0.525	0.503	0.395	0.129	0.183	0.193	0.054
	Nass	0.254	0.283	0.414	0.307	0.172	0.080	0.323	0.032	0.206	0.000	0.177	0.051	0.067
	Skeena								0.237	0.012	0.185	0.133	0.160	0.586
	Tahltan	0.092	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.009	0.012	0.035	0.002
	Stikine	0.026	0.017	0.003	0.004	0.000	0.005	0.009	0.030	0.008	0.142	0.164	0.005	0.068
	Tuya									0.000	0.000	0.000	0.000	0.000

-continued-

Appendix D5.—Page 2 of 2.

Stat. Week	Stock Group	Year With Dates of Statistical Week 25												
		1983 12-18	1984 17-23	1985 16-22	1986 15-21	1987 14-20	1988 12-18	1989 18-24	1990 17-23	1991 16-22	1992 14-20	1993 13-19	1994 12-18	1995 18-24
33	Alaska I	0.617	0.602	0.415	0.272	0.514	0.364	0.169	0.218	0.357	0.484	0.236	0.437	0.237
	Alaska II	0.000	0.000	0.000	0.210	0.302	0.217	0.349	0.519	0.230	0.098	0.051	0.120	0.046
	Nass	0.301	0.359	0.570	0.512	0.171	0.420	0.472	0.045	0.220	0.000	0.000	0.081	0.070
	Skeena								0.215	0.147	0.216	0.487	0.320	0.579
	Tahltan	0.053	0.000	0.000	0.006	0.000	0.000	0.000	0.000	0.045	0.000	0.047	0.038	0.006
	Stikine	0.029	0.040	0.015	0.000	0.014	0.000	0.010	0.003	0.001	0.201	0.179	0.005	0.063
	Tuya									0.000	0.000	0.000	0.000	0.000
34	Alaska I	0.729	0.606	0.393	0.224				0.269	0.314	0.461	0.348	0.377	0.109
	Alaska II	0.000	0.000	0.000	0.165				0.348	0.173	0.027	0.022	0.144	0.064
	Nass	0.219	0.359	0.579	0.611				0.038	0.215	0.000	0.000	0.101	0.045
	Skeena	0.000	0.000	0.000	0.000				0.323	0.298	0.357	0.402	0.307	0.672
	Tahltan	0.043	0.000	0.000	0.000				0.000	0.000	0.000	0.078	0.067	0.000
	Stikine	0.009	0.035	0.027	0.000				0.021	0.001	0.155	0.151	0.004	0.110
	Tuya									0.000	0.000	0.000	0.000	0.000
35	Alaska I										0.378	0.274	0.330	
	Alaska II										0.030	0.073	0.110	
	Nass										0.000	0.000	0.117	
	Skeena										0.461	0.433	0.361	
	Tahltan										0.000	0.050	0.077	
	Stikine										0.131	0.171	0.005	
	Tuya										0.000	0.000	0.000	
Season	Alaska I	0.668	0.658	0.479	0.447	0.488	0.492	0.260	0.205	0.352	0.515	0.320	0.492	0.253
Totals	Alaska II	0.000	0.000	0.000	0.241	0.340	0.387	0.401	0.403	0.191	0.076	0.076	0.080	0.052
	Nass	0.217	0.269	0.419	0.293	0.155	0.100	0.307	0.131	0.247	0.097	0.108	0.078	0.114
	Skeena	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.240	0.082	0.134	0.227	0.175	0.429
	Tahltan	0.103	0.029	0.091	0.014	0.010	0.020	0.006	0.005	0.099	0.069	0.097	0.139	0.080
	Stikine	0.013	0.045	0.011	0.004	0.007	0.001	0.027	0.016	0.028	0.109	0.171	0.036	0.071
	Tuya	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Appendix D6.— Estimated stock specific catch of sockeye salmon in the Alaskan District 106 gillnet fishery, 1983-1995. The Alaska I and Alaska II stock groups were combined prior to 1986 and the Nass and Skeena stock groups were combined prior to 1990. The last catches in each column include data through the end of the season. Subdistrict 106-30 was open but 106-41 was not during weeks 25-28 in 1984, week 26 in 1985, and week 29 in 1986.

Stat. Week	Stock Group	Year With Dates of Statistical Week 25												
		1983 12-18	1984 17-23	1985 16-22	1986 15-21	1987 14-20	1988 12-18	1989 18-24	1990 17-23	1991 16-22	1992 14-20	1993 13-19	1994 12-18	1995 18-24
25	Alaska I	not	1,364	9,277	2,213	not	not	1,526	1,192	3,376	not	not	not	
	Alaska II	open		0	27	open	open	1,720	1,752	155	open	open	open	weeks
	Nass		201	1,480	350			2,460	1,379	2,067				pooled
	Skeena								455	337				
	Tahltan		112	1,444	0			189	85	1,251				
	Stikine		8	3	0			342	173	512				
	Tuya									0				
	Total		1,685	12,203	2,590			6,237	5,037	6,697				
26	Alaska I	3,158	2,671	6,907	3,063	3,697	1,825	3,375	755	3,690	2,796	1,439	1,874	3,987
	Alaska II			0	61	931	210	1,332	2,216	502	0	98	44	36
	Nass	1,584	562	1,791	504	321	74	2,646	2,478	5,109	1,451	715	699	4,019
	Skeena								490	1,123	493	0	300	2,394
	Tahltan	509	280	1,361	61	186	145	591	133	5,513	2,925	1,552	1,958	7,417
	Stikine	102	180	174	0	14	0	782	223	292	509	188	249	1,095
	Tuya									0	0	0	0	0
	Total	5,353	3,693	10,233	3,689	5,149	2,253	8,727	6,294	16,229	8,173	3,992	5,125	18,948
27	Alaska I	4,039	5,475	14,322	12,115	6,929	6,321	2,811	1,848	3,439	10,970	4,665	6,047	4,063
	Alaska II			0	610	2,044	1,108	2,418	3,773	67	1,039	128	0	320
	Nass	1,645	1,078	6,002	3,057	1,358	601	3,119	4,490	3,589	5,778	602	1,270	2,814
	Skeena								2,095	503	7,701	2,430	39	1,740
	Tahltan	1,327	844	7,793	1,187	101	486	212	242	2,281	5,613	5,557	6,359	4,901
	Stikine	49	312	271	419	0	0	1,342	273	407	6,158	713	635	274
	Tuya									0	0	0	0	0
	Total	7,061	7,709	28,388	17,388	10,432	8,516	9,902	12,722	10,287	37,260	14,095	14,349	14,111
28	Alaska I	4,319	6,884	17,690	not	10,554	5,905	6,811	5,467	8,815	19,920	5,642	10,021	7,081
	Alaska II			0	open	3,579	1,601	16,769	7,579	2,152	1,058	1,191	144	432
	Nass	897	2,563	13,143		5,770	988	16,202	4,662	6,731	6,158	1,957	2,023	1,985
	Skeena								7,046	2,134	1,611	3,121	1,934	9,285
	Tahltan	724	1,134	6,280		779	294	106	275	2,130	3,860	4,642	7,984	2,772
	Stikine	42	50	488		62	0	1,530	518	447	3,831	1,339	1,034	1,096
	Tuya									0	0	0	0	0
	Total	5,982	10,631	37,601		20,745	8,788	41,418	25,546	22,409	36,439	17,893	23,140	22,652
29	Alaska I	3,414	13,311	21,032	6,303	15,656	11,429	13,716	4,521	8,835	23,228	7,691	18,440	6,215
	Alaska II			0	1,153	3,208	9,969	18,488	12,490	3,213	1,975	654	846	2,063
	Nass	251	3,134	15,425	442	2,655	2,685	8,128	2,651	4,855	2,394	3,519	4,508	2,225
	Skeena								7,110	1,745	2,430	6,277	2,075	5,704
	Tahltan	353	307	7,155	0	187	634	0	172	771	859	2,880	5,193	380
	Stikine	238	2,419	288	0	580	0	243	91	1,201	2,396	5,596	1,714	1,619
	Tuya									0	0	0	0	0
	Total	4,257	19,171	43,900	7,899	22,286	24,718	40,575	27,033	20,620	33,282	26,616	32,776	18,205
30	Alaska I	9,258	15,035	21,487	10,545	12,227	7,133	7,088	13,038	7,742	22,245	9,394	21,208	10,262
	Alaska II			0	6,575	9,934	8,779	18,365	19,124	6,677	4,986	3,262	4,310	2,766
	Nass	1,450	6,937	24,177	4,001	2,187	2,044	8,904	7,027	2,714	3,234	3,652	791	4,402
	Skeena								11,420	1,235	2,642	5,300	5,465	18,137
	Tahltan	1,623	0	0	0	112	259	0	30	1,467	357	1,229	3,853	433
	Stikine	62	416	1,304	63	210	0	213	242	530	1,887	3,203	2,106	3,631
	Tuya									0	0	0	0	0
	Total	12,393	22,388	46,969	21,184	24,671	18,215	34,571	50,881	20,365	35,350	26,040	37,734	39,631
31	Alaska I	4,602	8,388	19,504	12,963	7,433	4,619	10,795	4,428	5,994	12,572	13,290	21,327	7,779
	Alaska II			0	12,332	11,827	6,973	8,237	13,295	7,048	3,910	2,067	3,209	1,713
	Nass	3,225	6,654	30,946	7,558	3,738	449	9,491	510	4,498	657	5,723	3,090	4,121
	Skeena								8,133	644	5,289	5,034	13,628	11,944
	Tahltan	135	0	0	712	0	0	0	0	235	379	1,170	1,491	407
	Stikine	0	401	0	19	0	0	390	822	583	3,148	10,989	1,706	2,066
	Tuya									0	0	0	0	0
	Total	7,962	15,443	50,450	33,585	22,998	12,042	28,913	27,189	19,003	25,955	38,273	44,451	28,030

-continued-

Appendix D6.–Page 2 of 2.

Stat. Week	Stock Group	Year With Dates of Statistical Week 25												
		1983 12-18	1984 17-23	1985 16-22	1986 15-21	1987 14-20	1988 12-18	1989 18-24	1990 17-23	1991 16-22	1992 14-20	1993 13-19	1994 12-18	1995 18-24
32	Alaska I	882	4,042	7,840	9,295	6,383	5,888	1,514	2,866	3,547	6,219	11,436	13,063	5,562
	Alaska II			0	7,807	12,689	5,461	5,560	7,296	3,898	1,495	6,328	4,524	1,334
	Nass	357	1,631	5,574	7,616	3,956	996	3,421	463	2,030	0	6,135	1,187	1,676
	Skeena								3,444	122	2,144	4,603	3,766	14,559
	Tahltn	129	0	0	0	0	0	0	0	192	108	410	824	51
	Stikine	37	97	46	100	0	63	90	434	74	1,652	5,653	115	1,680
	Tuya									0	0	0	0	0
	Total	1,405	5,770	13,459	24,819	23,028	12,408	10,585	14,502	9,863	11,619	34,566	23,479	24,862
33	Alaska I	1,560	1,812	5,283	5,402	3,474	935	1,271	2,042	3,637	3,451	5,339	6,379	5,633
	Alaska II			0	4,169	2,039	557	2,624	4,855	2,349	701	1,151	1,747	1,090
	Nass	761	1,080	7,259	10,164	1,154	1,078	3,549	423	2,239	0	0	1,177	1,659
	Skeena								2,014	1,499	1,542	11,010	4,675	13,768
	Tahltn	134	0	0	127	0	0	0	0	463	0	1,064	561	153
	Stikine	73	120	186	0	93	0	78	24	10	1,430	4,048	72	1,493
	Tuya									0	0	0	0	0
	Total	2,529	3,012	12,728	19,862	6,760	2,570	7,523	9,358	10,197	7,124	22,612	14,611	23,795
34	Alaska I	1,385	1,303	3,562	3,295				1,952	2,645	1,460	4,927	3,925	1,809
	Alaska II			0	2,423				2,517	1,459	86	309	1,499	1,072
	Nass	416	773	5,247	8,975				276	1,813	0	0	1,049	749
	Skeena								2,343	2,511	1,129	5,697	3,188	11,191
	Tahltn	82	0	0	0				0	0	0	1,099	698	0
	Stikine	17	75	247	0				155	6	491	2,146	39	1,839
	Tuya								0	0	0	0	0	0
	Total	1,900	2,151	9,056	14,693				7,243	8,435	3,166	14,178	10,399	16,660
35	Alaska I										1,810	2,104	1,646	
	Alaska II										145	561	547	
	Nass										0	0	584	
	Skeena										2,206	3,328	1,800	
	Tahltn										0	384	383	
	Stikine										627	1,312	24	
	Tuya										0	0	0	
	Total										4,787	7,690	4,984	
Season Totals	Alaska I	32,618	60,284	126,904	65,195	66,354	44,055	48,909	38,109	50,721	104,670	65,927	103,930	52,391
Alaska II			0	35,157	46,252	34,657	75,514	74,897	27,520	15,395	15,749	16,869	10,827	
Nass	10,587	24,613	111,043	42,668	21,139	8,917	57,921	24,358	35,645	19,673	22,303	16,380	23,649	
Skeena								44,550	11,853	27,187	46,801	36,869	88,721	
Tahltn	5,017	2,677	24,033	2,087	1,365	1,818	1,098	937	14,303	14,102	19,986	29,304	16,514	
Stikine	620	4,079	3,006	602	960	63	5,010	2,955	4,062	22,129	35,188	7,695	14,792	
Tuya									0	0	0	0	0	
Total	48,842	91,653	264,987	145,709	136,069	89,510	188,451	185,805	144,105	203,155	205,955	211,048	206,894	

Appendix D7.—Estimated stock proportions of sockeye salmon catches in the Alaskan District 108 gillnet fishery, 1986-1995. The Nass and Skeena stock groups were combined prior to 1990. The last proportions in each column include data through the end of the season.

Stat. Week	Stock Group	Year With Dates of Statistical Week 24									
		1986 8-14	1987 ^a 7-13	1988 5-11	1989 11-17	1990 10-16	1991 9-15	1992 7-13	1993 6-12	1994 5-11	1995 11-17
24	Alaska I	Not	Not	Not	Not	Not	Not	Not	Not	Not	0.255
	Alaska II	Open	Open	Open	Open	Open	Open	Open	Open	Open	0.000
	Nass										0.235
	Skeena										0.029
	Tahltan										0.379
	Stikine										0.102
	Tuya										
25	Alaska I	0.067	Not	Not	0.101	0.170	0.016	Not	Not	0.215	0.049
	Alaska II	0.133	Open	Open	0.067	0.333	0.030	Open	Open	0.250	0.002
	Nass	0.033			0.217	0.303	0.073			0.012	0.113
	Skeena					0.067	0.145			0.213	0.032
	Tahltan	0.167			0.248	0.050	0.695			0.249	0.636
	Stikine	0.600			0.367	0.078	0.040			0.061	0.167
	Tuya										
26	Alaska I	0.071		0.080	0.101	0.170	0.042	0.066	0.132	0.149	0.073
	Alaska II	0.143		0.128	0.067	0.333	0.012	0.023	0.005	0.081	0.010
	Nass	0.000		0.046	0.217	0.303	0.059	0.189	0.149	0.058	0.133
	Skeena					0.067	0.104	0.002	0.000	0.092	0.132
	Tahltan	0.214		0.221	0.248	0.050	0.644	0.583	0.523	0.487	0.551
	Stikine	0.571		0.526	0.367	0.078	0.139	0.136	0.191	0.133	0.100
	Tuya										
27	Alaska I	Not		0.080	Not	0.023	0.145	0.151	0.113	0.118	0.080
	Alaska II	Open		0.128	Open	0.320	0.105	0.000	0.066	0.107	0.026
	Nass			0.046		0.163	0.024	0.035	0.084	0.021	0.181
	Skeena					0.038	0.102	0.003	0.000	0.205	0.056
	Tahltan			0.221		0.178	0.574	0.591	0.542	0.474	0.522
	Stikine			0.526		0.278	0.051	0.220	0.195	0.075	0.135
	Tuya										
28	Alaska I	Not		0.120	0.037	0.095	0.156	0.146	0.098	0.111	0.124
	Alaska II	Open		0.096	0.090	0.445	0.037	0.000	0.072	0.139	0.000
	Nass			0.033	0.056	0.048	0.044	0.006	0.053	0.130	0.080
	Skeena					0.073	0.009	0.004	0.067	0.005	0.101
	Tahltan			0.145	0.040	0.085	0.538	0.389	0.414	0.590	0.466
	Stikine			0.606	0.776	0.254	0.216	0.454	0.296	0.025	0.229
	Tuya										
29	Alaska I	Not	0.124	0.120	0.025	0.032	0.134	0.241	0.143	0.075	0.292
	Alaska II	Open	0.047	0.096	0.050	0.383	0.024	0.039	0.107	0.205	0.047
	Nass		0.000	0.033	0.030	0.200	0.132	0.051	0.061	0.178	0.035
	Skeena					0.005	0.000	0.014	0.061	0.162	0.069
	Tahltan		0.421	0.145	0.010	0.025	0.276	0.121	0.135	0.306	0.236
	Stikine		0.408	0.606	0.885	0.355	0.434	0.535	0.493	0.073	0.321
	Tuya										
30	Alaska I	0.065			0.029	0.023	0.072	0.094	0.097	0.143	0.267
	Alaska II	0.148			0.133	0.249	0.036	0.007	0.215	0.298	0.043
	Nass	0.023			0.057	0.003	0.115	0.029	0.006	0.011	0.056
	Skeena					0.004	0.000	0.018	0.136	0.162	0.031
	Tahltan	0.172			0.011	0.004	0.051	0.058	0.085	0.235	0.064
	Stikine	0.591			0.769	0.717	0.726	0.794	0.461	0.150	0.539
	Tuya										
31	Alaska I	0.029			0.029	0.016		0.016	0.120	0.134	0.207
	Alaska II	0.095			0.133	0.304		0.116	0.185	0.375	0.000
	Nass	0.007			0.057	0.007		0.000	0.018	0.018	0.033
	Skeena					0.042		0.063	0.044	0.063	0.011
	Tahltan	0.056			0.011	0.448		0.003	0.054	0.071	0.025
	Stikine	0.813			0.769	0.183		0.802	0.580	0.338	0.724
	Tuya										
32	Alaska I	0.016			0.029	0.016		0.047	0.141	0.151	0.180
	Alaska II	0.220			0.133	0.304		0.081	0.115	0.375	0.058
	Nass	0.011			0.057	0.007		0.000	0.027	0.027	0.013
	Skeena					0.042		0.007	0.084	0.117	0.130
	Tahltan	0.000			0.011	0.448		0.004	0.027	0.055	0.007
	Stikine	0.753			0.769	0.183		0.860	0.605	0.274	0.612
	Tuya										

-continued-

Appendix D7.—Page 2 of 2.

Stat. Week	Stock Group	Year With Dates of Statistical Week 24									
		1986 8-14	1987 ^a 7-13	1988 5-11	1989 11-17	1990 10-16	1991 9-15	1992 7-13	1993 6-12	1994 5-11	1995 11-17
33	Alaska I	0.016			0.029	0.016		0.203	0.038	0.316	
	Alaska II	0.220			0.133	0.304		0.158	0.354	0.242	
	Nass	0.011			0.057	0.007		0.000	0.000	0.036	
	Skeena					0.042		0.096	0.038	0.209	
	Tahltan	0.000			0.011	0.448		0.004	0.015	0.017	
	Stikine	0.754			0.769	0.183		0.538	0.555	0.180	
	Tuya										
34	Alaska I	0.014	0.124		0.029	0.016		0.062	0.362		
	Alaska II	0.217	0.047		0.133	0.304		0.077	0.182		
	Nass	0.014	0.000		0.057	0.007		0.000	0.062		
	Skeena					0.042		0.201	0.192		
	Tahltan	0.000	0.421		0.011	0.448		0.057	0.031		
	Stikine	0.755	0.408		0.769	0.183		0.603	0.172		
	Tuya										
Total	Alaska I	0.042	0.032	0.103	0.034	0.052	0.120	0.138	0.116	0.119	0.117
	Alaska II	0.164	0.012	0.110	0.082	0.343	0.056	0.025	0.116	0.207	0.018
	Nass	0.016	0.000	0.039	0.054	0.093	0.067	0.037	0.050	0.092	0.118
	Skeena					0.035	0.049	0.014	0.064	0.116	0.086
	Tahltan	0.094	0.111	0.178	0.034	0.111	0.424	0.258	0.256	0.362	0.461
	Stikine	0.684	0.108	0.571	0.796	0.366	0.284	0.528	0.399	0.104	0.200
	Tuya										

^a Stock proportions are not available for weeks 26-28 in 1987.

Appendix D8.—Estimated catch by stock of sockeye salmon catches in the Alaskan District 108 gillnet fishery, 1986-1995. The Nass and Skeena stock groups were combined prior to 1990. The last catches in each column include data through the end of the season.

Stat. Week	Stock Group	Year With Dates of Statistical Week 24									
		1986 8-14	1987 ^a 7-13	1988 5-11	1989 11-17	1990 10-16	1991 9-15	1992 7-13	1993 6-12	1994 5-11	1995 11-17
24	Alaska I	Not	Not	Not	Not	Not	Not	Not	Not	Not	56
	Alaska II	Open	Open	Open	Open	Open	Open	Open	Open	Open	0
	Nass										51
	Skeena										6
	Tahltan										83
	Stikine										22
	Tuya										0
	Total										219
25	Alaska I	2	Not	Not	40	63	6	Not	Not	19	312
	Alaska II	4	Open	Open	27	122	11	Open	Open	22	13
	Nass	1			87	112	26			1	720
	Skeena					25	52			19	206
	Tahltan	5			99	18	249			22	4,056
	Stikine	18			146	29	15			5	1,066
	Tuya						0			0	0
	Total	30			399	369	359			89	6,373
26	Alaska I	1		12	5	79	61	242	305	302	1,761
	Alaska II	2		19	3	156	17	86	11	163	243
	Nass	0		7	10	142	86	695	346	117	3,193
	Skeena					31	152	7	0	185	3,171
	Tahltan	3		33	12	23	940	2,138	1,211	985	13,199
	Stikine	8		80	18	36	203	499	444	269	2,409
	Tuya						0	0	0	0	0
	Total	14	189	151	48	467	1,459	3,666	2,317	2,022	23,976
27	Alaska I	Not		32	Not	36	905	1,148	1,299	1,438	1,552
	Alaska II	Open		51	Open	504	656	0	764	1,307	505
	Nass			18		256	150	266	969	254	3,518
	Skeena					60	641	20	0	2,505	1,092
	Tahltan			88		280	3,591	4,491	6,229	5,779	10,142
	Stikine			208		437	316	1,672	2,240	910	2,617
	Tuya						0	0	0	0	0
	Total		245	397		1,573	6,258	7,597	11,500	12,193	19,426
28	Alaska I	Not		38	162	268	543	1,853	1,904	2,924	1,591
	Alaska II	Open		30	394	1,256	128	0	1,405	3,647	0
	Nass			10	245	136	155	78	1,027	3,429	1,026
	Skeena					206	32	51	1,310	118	1,291
	Tahltan			45	175	240	1,874	4,946	8,040	15,512	5,959
	Stikine			190	3,397	717	754	5,772	5,753	646	2,925
	Tuya						0	0	0	0	0
	Total		759	313	4,373	2,823	3,486	12,699	19,439	26,276	12,793
29	Alaska I	Not	52	46	89	66	388	2,785	2,886	1,950	2,016
	Alaska II	Open	20	37	177	792	68	449	2,150	5,306	324
	Nass		0	13	106	414	381	587	1,224	4,614	241
	Skeena					10	0	167	1,233	4,183	473
	Tahltan		178	56	35	52	797	1,395	2,712	7,918	1,627
	Stikine		173	233	3,134	734	1,253	6,187	9,927	1,883	2,216
	Tuya						0	0	0	0	0
	Total		423	385	3,541	2,068	2,888	11,569	20,132	25,854	6,896
30	Alaska I	131			45	65	254	992	1,146	2,574	1,298
	Alaska II	297			205	701	128	77	2,528	5,353	208
	Nass	46			88	8	406	305	68	206	272
	Skeena					11	0	187	1,596	2,917	152
	Tahltan	346			17	11	181	610	1,003	4,228	314
	Stikine	1,189			1,185	2,020	2,568	8,342	5,424	2,693	2,627
	Tuya						0	0	0	0	0
	Total	2,009			1,540	2,816	3,537	10,512	11,765	17,971	4,871
31	Alaska I	20			3	14		70	813	983	180
	Alaska II	65			15	275		510	1,258	2,745	0
	Nass	5			6	6		0	124	134	29
	Skeena					38		277	296	462	9
	Tahltan	38			1	407		11	365	523	22
	Stikine	555			88	166		3,522	3,940	2,480	631
	Tuya							0	0	0	0
	Total	683			113	906		4,391	6,797	7,327	871

-continued-

Appendix D8.—Page 2 of 2.

Stat. Week	Stock Group	Year With Dates of Statistical Week 24									
		1986 8-14	1987 ^a 7-13	1988 5-11	1989 11-17	1990 10-16	1991 9-15	1992 7-13	1993 6-12	1994 5-11	1995 11-17
32	Alaska I	13			0	5		87	444	415	239
	Alaska II	173			1	93		151	364	1,030	77
	Nass	9			1	2		0	86	74	18
	Skeena					13		14	265	322	174
	Tahltan	0			0	137		7	86	152	10
	Stikine	593			9	56		1,594	1,910	753	814
	Tuya							0	0	0	0
	Total	788			11	306		1,852	3,154	2,746	1,331
33	Alaska I	7			1	3		88	37	425	
	Alaska II	99			3	52		68	339	325	
	Nass	5			1	1		0	0	49	
	Skeena					7		41	36	281	
	Tahltan	0			0	78		2	14	22	
	Stikine	340			15	31		232	530	242	
	Tuya							0	0	0	
	Total	451			20	172		431	956	1,343	
34	Alaska I	3	0		1	1			50	508	
	Alaska II	46	0		5	22			63	255	
	Nass	3	0		2	1			0	87	
	Skeena					3			164	270	
	Tahltan	0	2		0	33			46	43	
	Stikine	160	2		30	14			490	241	
	Tuya								0	0	
	Total	212	4		38	74			814	1,403	
Season	Alaska I	177	52	128	346	600	2,158	7,264	8,884	11,538	9,006
Totals	Alaska II	686	20	137	830	3,973	1,007	1,340	8,881	20,154	1,370
	Nass	69	0	48	546	1,078	1,204	1,930	3,845	8,965	9,067
	Skeena					404	876	764	4,900	11,262	6,575
	Tahltan	392	180	222	339	1,279	7,632	13,600	19,706	35,185	35,411
	Stikine	2,863	175	711	8,022	4,240	5,109	27,819	30,658	10,120	15,327
	Tuya						0	0	0	0	0
	Total	4,187	1,620	1,246	10,083	11,574	17,987	52,717	76,874	97,224	76,756

^a Catch by stock are not available for weeks 26-28 in 1987.

APPENDIX E. THERMAL MARK CONTRIBUTIONS

Appendix E1.—Estimated contributions of thermally marked sockeye salmon to the Sub-district 106-30 gillnet catches, 1994.

Statistical Week		Tahltan			Sample Size and Total Catch
		89	90	Total	
25	Marks	0	0	0	0
	Proportions	0.000	0.000	0.000	
	SE	0.000	0.000	0.000	
	Contribution	0	0	0	0
26	Marks	13	0	13	200
	Proportions	0.065	0.000	0.065	
	SE	0.017	0.000	0.017	
	Contribution	87	0	87	1,331
27	Marks	9	0	9	200
	Proportions	0.045	0.000	0.045	
	SE	0.015	0.000	0.015	
	Contribution	97	0	97	2,157
28	Marks	4	0	4	200
	Proportions	0.000	0.000	0.000	
	SE	0.000	0.000	0.000	
	Contribution	80	0	80	3,990
29	Marks	0	0	0	199
	Proportions	0.000	0.000	0.000	
	SE	0.000	0.000	0.000	
	Contribution	0	0	0	6,031
30	Marks	8	0	8	199
	Proportions	0.040	0.000	0.040	
	SE	0.014	0.000	0.014	
	Contribution	279	0	279	6,934
31	Marks	3	0	3	200
	Proportions	0.015	0.000	0.015	
	SE	0.009	0.000	0.009	
	Contribution	221	0	221	14,704
32	Marks	0	0	0	199
	Proportions	0.000	0.000	0.000	
	SE	0.000	0.000	0.000	
	Contribution	0	0	0	9,724
33	Marks	0	0	0	200
	Proportions	0.000	0.000	0.000	
	SE	0.000	0.000	0.000	
	Contribution	0	0	0	3,381
34	Marks	0	1	1	200
	Proportions	0.000	0.000	0.000	
	SE	0.000	0.000	0.000	
	Contribution	0	26	26	5,270
Sum	Marks	37	1	38	1,797
	Proportions	0.021	0.001	0.021	
	SE	0.028	0.000	0.028	
	Contribution	763	26	789	53,522

Appendix E2.—Estimated contributions of thermally marked sockeye salmon to the Sub-district 106-41 gillnet catches, 1994.

Statistical Week		Tahltan			Sample Size and Total Catch
		89	90	Total	
25	Marks	0	0	0	0
	Proportions	0.000	0.000	0.000	
	SE	0.000	0.000	0.000	
	Contribution	0	0	0	0
26	Marks	12	0	12	200
	Proportions	0.060	0.000	0.060	
	SE	0.017	0.000	0.017	
	Contribution	228	0	228	3,794
27	Marks	17	0	17	200
	Proportions	0.085	0.000	0.085	
	SE	0.020	0.000	0.020	
	Contribution	1,036	0	1,036	12,192
28	Marks	21	0	21	260
	Proportions	0.081	0.000	0.081	
	SE	0.017	0.000	0.017	
	Contribution	1,547	0	1,547	19,150
29	Marks	19	1	20	299
	Proportions	0.064	0.003	0.067	
	SE	0.014	0.003	0.015	
	Contribution	1,700	89	1,789	26,745
30	Marks	9	0	9	297
	Proportions	0.030	0.000	0.030	
	SE	0.010	0.000	0.010	
	Contribution	933	0	933	30,800
31	Marks	2	1	3	197
	Proportions	0.010	0.005	0.015	
	SE	0.007	0.005	0.009	
	Contribution	302	151	453	29,747
32	Marks	2	0	2	200
	Proportions	0.010	0.000	0.010	
	SE	0.007	0.000	0.007	
	Contribution	138	0	138	13,755
33	Marks	0	1	1	200
	Proportions	0.000	0.005	0.005	
	SE	0.000	0.005	0.005	
	Contribution	0	56	56	11,230
34	Marks	1	0	1	200
	Proportions	0.005	0.000	0.005	
	SE	0.005	0.000	0.005	
	Contribution	51	0	51	10,113
Sum	Marks	83	3	86	2,053
	Proportions	0.040	0.001	0.042	
	SE	0.037	0.008	0.038	
	Contribution	5,934	297	6,230	157,526

Appendix E3.—Estimated contributions of thermally marked sockeye salmon to the District 108 gillnet catches, 1994.

Statistical Week		Tahltan			Sample Size and Total Catch
		89	90	Total	
25	Marks	4	0	4	61
	Proportions	0.066	0.000	0.066	
	SE	0.032	0.000	0.032	
	Contribution	5	0	5	
26	Marks	38	1	39	400
	Proportions	0.095	0.003	0.098	
	SE	0.015	0.003	0.015	
	Contribution	178	2	180	
27	Marks	23	0	23	183
	Proportions	0.126	0.000	0.126	
	SE	0.025	0.000	0.025	
	Contribution	1,440	0	1,440	
28	Marks	36	3	39	299
	Proportions	0.120	0.010	0.130	
	SE	0.019	0.006	0.020	
	Contribution	3,814	253	4,066	
29	Marks	46	3	49	345
	Proportions	0.133	0.009	0.142	
	SE	0.018	0.005	0.019	
	Contribution	3,974	122	4,096	
30	Marks	16	1	17	296
	Proportions	0.054	0.003	0.057	
	SE	0.013	0.003	0.014	
	Contribution	976	91	1,067	
31	Marks	2	0	2	200
	Proportions	0.010	0.000	0.010	
	SE	0.007	0.000	0.007	
	Contribution	94	0	94	
32	Marks	2	0	2	236
	Proportions	0.008	0.000	0.008	
	SE	0.006	0.000	0.006	
	Contribution	24	0	24	
33	Marks	2	0	2	263
	Proportions	0.000	0.000	0.000	
	SE	0.000	0.000	0.000	
	Contribution	10	0	10	
34	Marks	0	0	0	163
	Proportions	0.000	0.000	0.000	
	SE	0.000	0.000	0.000	
	Contribution	0	0	0	
Sum	Marks	169	8	177	2,446
	Proportions	0.069	0.003	0.072	
	SE	0.042	0.009	0.043	
	Contribution	10,515	467	10,982	

Appendix E4.—Estimated contributions of thermally marked sockeye salmon to the Sub-district 106-30 gillnet catches, 1995.

Statistical Week		Tahltan				Tuya		Sample Size
		89	90	91	Total	91	Total	Total Catch
24	Marks	0	0	0	0	0	0	0
	Proportions	0.000	0.000	0.000	0.000	0.000	0.000	
	SE	0.000	0.000	0.000	0.000	0.000	0.000	
	Contribution	0	0	0	0	0	0	0
25	Marks	0	0	0	0	0	0	9
	Proportions	0.000	0.000	0.000	0.000	0.000	0.000	
	SE	0.000	0.000	0.000	0.000	0.000	0.000	
	Contribution	0	0	0	0	0	0	366
26	Marks	0	11	0	11	0	0	100
	Proportions	0.000	0.110	0.000	0.110	0.000	0.000	
	SE	0.000	0.031	0.000	0.031	0.000	0.000	
	Contribution	0	109	0	109	0	0	991
27	Marks	2	2	0	4	0	0	100
	Proportions	0.020	0.020	0.000	0.040	0.000	0.000	
	SE	0.014	0.014	0.000	0.020	0.000	0.000	
	Contribution	119	119	0	237	0	0	5,927
28	Marks	1	1	0	2	0	0	100
	Proportions	0.000	0.000	0.000	0.000	0.000	0.000	
	SE	0.000	0.000	0.000	0.000	0.000	0.000	
	Contribution	54	54	0	108	0	0	5,404
29	Marks	0	1	0	1	0	0	100
	Proportions	0.000	0.010	0.000	0.010	0.000	0.000	
	SE	0.000	0.010	0.000	0.010	0.000	0.000	
	Contribution	0	61	0	61	0	0	6,097
30	Marks	0	0	0	0	0	0	100
	Proportions	0.000	0.000	0.000	0.000	0.000	0.000	
	SE	0.000	0.000	0.000	0.000	0.000	0.000	
	Contribution	0	0	0	0	0	0	11,066
31	Marks	1	0	0	1	0	0	100
	Proportions	0.010	0.000	0.000	0.010	0.000	0.000	
	SE	0.010	0.000	0.000	0.010	0.000	0.000	
	Contribution	124	0	0	124	0	0	12,400
32	Marks	0	1	0	1	0	0	100
	Proportions	0.000	0.010	0.000	0.010	0.000	0.000	
	SE	0.000	0.010	0.000	0.010	0.000	0.000	
	Contribution	0	115	0	115	0	0	11,499
33	Marks	0	0	0	0	0	0	100
	Proportions	0.000	0.000	0.000	0.000	0.000	0.000	
	SE	0.000	0.000	0.000	0.000	0.000	0.000	
	Contribution	0	0	0	0	0	0	12,027
34-40	Marks	0	0	0	0	0	0	100
	Proportions	0.000	0.000	0.000	0.000	0.000	0.000	
	SE	0.000	0.000	0.000	0.000	0.000	0.000	
	Contribution	0	0	0	0	0	0	7,808
Sum	Marks	4	16	0	20	0	0	909
	Proportions	0.004	0.018	0.000	0.022	0.000	0.000	
	SE	0.017	0.037	0.000	0.041	0.000	0.000	
	Contribution	297	458	0	754	0	0	73,585

Appendix E5.—Estimated contributions of thermally marked sockeye salmon to the Sub-district 106-41 gillnet catches, 1995.

Statistical Week		Tahltan				Tuya		Sample Size
		89	90	91	Total	91	Total	Total Catch
24	Marks	0	0	0	0	0	0	0
	Proportions	0.000	0.000	0.000	0.000	0.000	0.000	
	SE	0.000	0.000	0.000	0.000	0.000	0.000	
	Contribution	0	0	0	0	0	0	0
25	Marks	1	35	1	37	0	0	200
	Proportions	0.005	0.175	0.005	0.185	0.000	0.000	
	SE	0.005	0.027	0.005	0.028	0.000	0.000	
	Contribution	32	1,113	32	1,176	0	0	6,359
26	Marks	2	42	1	45	0	0	200
	Proportions	0.010	0.210	0.005	0.225	0.000	0.000	
	SE	0.007	0.029	0.005	0.030	0.000	0.000	
	Contribution	112	2,359	56	2,527	0	0	11,232
27	Marks	1	24	1	26	0	0	200
	Proportions	0.005	0.120	0.005	0.130	0.000	0.000	
	SE	0.005	0.023	0.005	0.024	0.000	0.000	
	Contribution	41	982	41	1,064	0	0	8,184
28	Marks	2	12	2	16	0	0	299
	Proportions	0.007	0.040	0.007	0.054	0.000	0.000	
	SE	0.005	0.011	0.005	0.013	0.000	0.000	
	Contribution	116	697	116	929	0	0	17,357
29	Marks	0	5	1	6	2	2	199
	Proportions	0.000	0.025	0.005	0.030	0.010	0.010	
	SE	0.000	0.011	0.005	0.012	0.007	0.007	
	Contribution	0	312	62	374	125	125	12,403
30	Marks	0	1	0	1	0	0	200
	Proportions	0.000	0.005	0.000	0.005	0.000	0.000	
	SE	0.000	0.005	0.000	0.005	0.000	0.000	
	Contribution	0	143	0	143	0	0	28,565
31	Marks	2	2	0	4	0	0	200
	Proportions	0.010	0.010	0.000	0.020	0.000	0.000	
	SE	0.007	0.007	0.000	0.010	0.000	0.000	
	Contribution	156	156	0	313	0	0	15,630
32	Marks	0	2	0	2	0	0	200
	Proportions	0.000	0.010	0.000	0.010	0.000	0.000	
	SE	0.000	0.007	0.000	0.007	0.000	0.000	
	Contribution	0	134	0	134	0	0	13,363
33	Marks	0	2	0	2	0	0	200
	Proportions	0.000	0.010	0.000	0.010	0.000	0.000	
	SE	0.000	0.007	0.000	0.007	0.000	0.000	
	Contribution	0	118	0	118	0	0	11,768
34-40	Marks	0	0	0	0	0	0	200
	Proportions	0.000	0.000	0.000	0.000	0.000	0.000	
	SE	0.000	0.000	0.000	0.000	0.000	0.000	
	Contribution	0	0	0	0	0	0	8,852
Sum	Marks	8	125	6	139	2	2	2,098
	Proportions	0.004	0.060	0.003	0.066	0.001	0.001	
	SE	0.012	0.042	0.010	0.045	0.007	0.007	
	Contribution	457	6,012	307	6,777	125	125	133,713

Appendix E6.—Estimated contributions of thermally marked sockeye salmon to the District 108 gillnet catches, 1995.

Statistical Week		Tahltan				Tuya		Sample Size Total Catch
		89	90	91	Total	91	Total	
24	Marks	0	43	0	43	0	0	180
	Proportions	0.000	0.239	0.000	0.239	0.000	0.000	
	SE	0.000	0.032	0.000	0.032	0.000	0.000	
	Contribution	0	53	0	53	0	0	219
25	Marks	0	92	0	92	0	0	233
	Proportions	0.000	0.395	0.000	0.395	0.000	0.000	
	SE	0.000	0.032	0.000	0.032	0.000	0.000	
	Contribution	0	2,446	0	2,446	0	0	6,373
26	Marks	5	160	3	168	2	2	472
	Proportions	0.011	0.339	0.006	0.356	0.004	0.004	
	SE	0.005	0.022	0.004	0.023	0.003	0.003	
	Contribution	253	7,856	157	8,266	70	70	23,976
27	Marks	2	120	1	123	6	6	396
	Proportions	0.005	0.303	0.003	0.311	0.015	0.015	
	SE	0.004	0.023	0.003	0.024	0.006	0.006	
	Contribution	98	5,820	55	5,973	270	270	19,426
28	Marks	0	47	2	49	2	2	345
	Proportions	0.000	0.136	0.006	0.142	0.006	0.006	
	SE	0.000	0.018	0.004	0.019	0.004	0.004	
	Contribution	0	1,789	96	1,885	96	96	12,793
29	Marks	1	11	0	12	0	0	126
	Proportions	0.008	0.087	0.000	0.095	0.000	0.000	
	SE	0.008	0.025	0.000	0.026	0.000	0.000	
	Contribution	93	637	0	731	0	0	6,896
30	Marks	1	7	0	8	0	0	200
	Proportions	0.005	0.035	0.000	0.040	0.000	0.000	
	SE	0.005	0.013	0.000	0.014	0.000	0.000	
	Contribution	36	205	0	241	0	0	4,871
31	Marks	1	7	1	9	0	0	146
	Proportions	0.007	0.048	0.007	0.062	0.000	0.000	
	SE	0.007	0.018	0.007	0.020	0.000	0.000	
	Contribution	8	43	1	53	0	0	871
32	Marks	1	9	0	10	0	0	145
	Proportions	0.007	0.062	0.000	0.069	0.000	0.000	
	SE	0.007	0.020	0.000	0.021	0.000	0.000	
	Contribution	2	21	0	23	0	0	321
33	Marks	0	0	0	0	0	0	0
	Proportions	0.000	0.000	0.000	0.000	0.000	0.000	
	SE	0.000	0.000	0.000	0.000	0.000	0.000	
	Contribution	0	0	0	0	0	0	344
34-40	Marks	0	0	0	0	0	0	0
	Proportions	0.000	0.000	0.000	0.000	0.000	0.000	
	SE	0.000	0.000	0.000	0.000	0.000	0.000	
	Contribution	0	0	0	0	0	0	666
Sum	Marks	11	496	7	514	10	10	2,243
	Proportions	0.005	0.221	0.003	0.229	0.004	0.004	
	SE	0.015	0.070	0.009	0.072	0.008	0.008	
	Contribution	491	18,870	310	19,671	436	436	76,756