CCGS W.E. Ricker Gulf of Alaska Salmon Survey, February 28 – March 23, 2007

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CCGS W. E. RICKER GULF OF ALASKA SALMON SURVEY, FEBRUARY 28 - MARCH 23, 2007

by

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Morris, J. F. T., Trudel, M., Thiess, M. E., Boyle, C. A., Zubkowski,T. B., and Maclean, H. R. 2008. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, February 28 - March 23, 2007. Can. Data Rep. Fish. Aquat. Sci. 1206: 70 p.

The Highseas Salmon program of Fisheries and Oceans Canada conducted a survey of Pacific salmon in the Gulf of Alaska from February 28 - March 23, 2007 on the *CCGS W. E. Ricker*. The objectives of the survey were to (1) evaluate the distribution and ecology of juvenile Pacific salmon (*Oncorhynchus spp.*) during their first year in the ocean, (2) describe the ambient oceanographic conditions, and (3) quantify the biomass of zooplankton. Fish, oceanographic, and zooplankton sampling was conducted at stations ranging from the Strait of Juan de Fuca to Icy Strait in Southeast Alaska. A total of 674 were juvenile Pacific salmon in their first winter (age X.1) in the ocean were caught. Of these, 307 were juvenile coho and 486 were juvenile chinook under 400 mm in fork length. All the juvenile coho were caught on the west coast of Vancouver Island. Also, all the juvenile chinook from 100 to 199 mm, that were predominantly ocean ecotypes (age 0.1), were caught on the west coast of Vancouver Island. Juvenile chinook from 200 to 299 mm, that were predominantly stream ecotypes (age 1.1), were caught primarily both on the west coast of Vancouver Island and in Sumner Strait in Southeast Alaska. Ten of the fourteen juvenile coho that were recovered with CWT 's on the west coast of Vancouver Island, were from the Puget Sound and Hood Canal region in Washington State. Also, eleven of the twelve ocean ecotype juvenile chinook that were recovered with CWT 's on the west coast of Vancouver Island, were from the Hood Canal and Puget Sound region. No Columbia-Snake River CWT's were recovered.

RÉSUMÉ

Morris, J. F. T., Trudel, M., Thiess, M. E., Boyle, C. A., Zubkowski,T. B., and Maclean, H. R. 2008. Campagne d'évaluation des saumons dans le Golfe de l'Alaska à bord du *CCGS W. E. Ricker* du 28 Février au 23 Mars 2007. Can. Data Rep. Fish. Aquat. Sci. 1206: 70 p.

Le programme canadien des Saumons en Haute Mer de Pêches de Océans Canada a réalisé une étude sur les saumons du Pacifique dans le Golfe de l'Alaska du 28 Février au 23 Mars 2007. Les objectifs de cette étude était de (1) évaluer la distribution et l'écologie des saumons du Pacifique (*Oncorhynchus* spp.) juvéniles durant leur première année en mer, (2) décrire les conditions océanographiques ambiantes, et (3) quantifier la biomasse de zooplancton. Nous avons mesuré les conditions océanographiques et échantillonné le zooplancton et les poissons à des stations situées entre le détroit de Juan de Fuca et le détroit de Icy dans le sud-est de l'Alaska. En tout, 674 saumons juvéniles du Pacifique (âge X.1) ont été capturés durant leur premier hiver en mer, incluant : 307 saumons coho (*O. kisutch*) juvéniles et 486 saumons quinnats (*O. tshawytscha*) juvéniles ayant une longueur à la fourche inférieure à 400 mm. Tous les saumons coho juvéniles ont été capturés sur la côte ouest de l'Île de Vancouver. Les saumons quinnats juvéniles ayant une longueur à la fourche entre 100 et 199 mm et qui sont probablement de type océanique (âge 0.1), ont aussi tous été capturés aussi la côte ouest de l'Île de Vancouver. Les saumons quinnats juvéniles ayant une longueur à la fourche entre 200 et 299 mm et qui sont probablement de type riverain (âge 1.1), ont été capturés principalement sur la côte ouest de l'Île de Vancouver, ainsi que dans le détroit de Sumner dans le sud-est de l'Alaska. Dix des quatorze saumons coho juvéniles ainsi que onze des douze saumons quinnats juvéniles de type océanique marqués à l'aide de CWT provenaient du détroit de Puget et de la région du Canal Hood dans l'état du Washington. Aucun des saumons juvéniles marqués à l'aide de CWT ne provenaient de la rivière Columbia.

INTRODUCTION

The Highseas Program of Fisheries and Oceans Canada has conducted annual Pacific salmon surveys on the continental shelf in the Gulf of Alaska since 1995 [1-31]. The objectives of these surveys were to collect information on (1) the distribution and ecology of Pacific salmon (*Oncorhynchus spp.*), (2) the associated physical oceanography, and (3) the distribution and biomass of zooplankton.

This report documents the scientific data collected on the *CCGS W.E. Ricker* survey to the Gulf of Alaska from February 28 - March 23, 2007. Operations were conducted from the west coast of Vancouver Island to Icy Strait in Southeast Alaska.

MATERIALS AND METHODS

General Survey Information

Figures 1, 2, and 3 show the fishing, oceanographic and zooplankton stations, respectively, completed by the *CCGS W.E. Ricker* on the February 28 - March 23, 2007 survey. A total of 120 fishing stations,120 oceanographic stations, and 119 zooplankton stations were completed.

The survey conducted scientific operations in the Strait of Juan de Fuca, on the shelf off the west coast of Vancouver Island, in the inlets on the west coast of Vancouver Island, in Hecate Strait, in Burke Channel and Portland Inlet on the central coast of British Columbia, in Dixon Entrance, and inside Southeast Alaska up to Icy Strait. Two of the Highseas Salmon program's standard cross-shelf transects were completed: the Estevan Point transect off Vancouver Island and the Hecate Strait transect. In addition, a cross-shelf transect was completed off Ucluelet towards Laperouse Bank on the west coast of Vancouver Island.

Fishing Gear and Fishing Operations

The survey was conducted on the *CCGS W.E. Ricker*, a stern trawler 58 m in length which is powered by a 2,500 H.P. model AH 40 Akasaka diesel engine. The ship towed a mid-water trawl, originally manufactured by Cantrawl Nets Ltd., Richmond, BC, and later modified to a model 240 trawl by the fishing crew. The trawl has a heavy-duty front end of hexagonal web made from 3/8 in. (9.5 mm) and 5/16 in. (7.9 mm) Tenex rope, and a tapered body made-up of 64 in. (163 cm), 32 in. (81.3 cm), 16 in. (40.6 cm), 8 in. (20.3 cm) and 4 in. (10.2 cm) polypropylene sections, an intermediate section of 3 in. (7.6 cm) polypropylene, and a codend of 1.5 in. (3.8 cm) knotted nylon lined with 0.25 in. mesh (64 mm). The trawl has three 40 m bridles of 5/8 in. (1.6 cm) wire rope per side that are attached with a single hook-up to 5 m Jet doors. Typically, 100-150 m of 1.25 in. (3.2 cm) warp was paid out to tow the trawl at the surface. The *CCGS W.E. Ricker* was able to tow the trawl at the surface at 5 knots (2.6 m s^{-1}) in good sea

conditions, and this typically achieved a mouth opening that was approximately 28 m wide by 16 m deep as measured acoustically by a Scanmar trawl eye mounted on the headrope. In rough weather, the trawl was towed at headrope depths down to 15 m.

Oceanographic Sampling

At oceanographic stations, the scientific crew (1) conducted CTD (conductivity-temperature-depth) casts, (2) collected seawater samples at 10 m from the surface with a Niskin bottle for nitrate, phosphate, silicate, and salinity, and (3) filtered surface seawater on GF/F glass fibre filter disks for chlorophyll *a*. Nitrate, phosphate, and silicate samples were collected in acid-washed glass test tubes, and the glass fiber disks were folded and placed in polypropylene scintillation vials. All these samples were stored frozen. CTD casts were conducted to 250 m or within 5 m of the bottom with a Seabird SBE 911+ probe. Several calibration samples from selected CTD casts were collected over the course of the survey with Niskin bottles at depths where the salinities were stable.

Zooplankton Sampling

Vertical bongo tows to approximately 150 m or within 10 m of the bottom were conducted with two 57 cm diameter, 253 μm Nitex nets. One of the nets was equipped with a flowmeter. Zooplankton collected from the flowmeter side were preserved in 10% formalin and sent to the zooplankton laboratory at the Institute of Ocean Sciences, Fisheries and Oceans Canada (Sidney, BC) for species classification and enumeration. Zooplankton taken from the net without flowmeter were sorted into four size fractions by successively sieving through 8.0, 1.7, 1.0, and 0.25 mm screens. Each size fraction was weighed wet, dried at 60°C for 48 hours, re-weighed, and stored in plastic bags for future stable isotope, bomb calorimetry, and proximate analyses.

RESULTS

Salmon Catch Data

Tables 1 and 2 report information on trawl tows and a summary of Pacific salmon catches for this survey. Tow information includes: station ID, transect name, sampling region, date and time, start latitude (°N) and longitude (°W), heading (°T; degrees true), and bottom depth (m). Station ID numbers include the Pacific Biological Station cruise designation "HS200709", where HS represents the Highseas Salmon program, and a tow number such as "JF01", that represents tow #1 in the Strait of Juan de Fuca. The station ID number, that in this example is "HS200709-JF01", serves as the primary key in the High Seas salmon database that links fishing tow information with the oceanographic and zooplankton tables.

In Table 1, catch totals for each tow are provided for all chinook salmon (*O. tshawytscha*) ("CK") , and separately for juveniles and adults of chum salmon (*O. keta*) ("CM"), coho salmon (*O. kisutch*) ("CO"), pink salmon (*O. gorbuscha*) ("PK"), and

sockeye salmon (*O. nerka*) ("SE"). In this report, juveniles are defined as salmon in their first winter in the ocean (age X.1). Adults include all older age groups (age X.2+ or older). Chum, coho, pink, and sockeye salmon were separated into juveniles and adults based on the non-overlapping, bimodal distributions of fork lengths on previous Highseas Salmon winter surveys[14,16,17,24,27,28]. Juvenile chinook were defined as chinook that were less than 400 mm in fork length based on the examination of fork lengths from age 0.1 and age 1.1 CWT recoveries on the same previous Highseas Salmon winter surveys.

Table 2 provides catch totals per tow for the following size classes of chinook based on fork length measurements: juvenile chinook less than 100 mm, juvenile chinook from 100 to 199 mm, juvenile chinook from 200 to 299 mm, juvenile chinook from 300 to 349 mm, juvenile chinook from 350 to 399 mm, chinook from 400 to 499 mm, and chinook equal to or greater than 500 mm.

The abbreviations for the regions in the tables are:

ISEA	inside straits of Southeast Alaska
DE	Dixon Entrance
HS	Hecate Strait
IBC	inside channels on the north and central coasts of BC
VI	west coast Vancouver Island
IVI	inlets on the west coast of Vancouver Island
JF	Strait of Juan de Fuca

Biological Data

Table 3 reports the detailed biological data collected from each Pacific salmon caught during the survey. Individual salmon were assigned a fish number which consisted of the cruise identifier "HS200709", followed hierarchically by tow number, species code, and sample number. For example, "HS200709-DE04-124-001" refers to tow number DE04 for tow #4 in Dixon Entrance, species code "124" for chinook salmon, and the sample number "001" that is a consecutive number within a combined tow and species set. We used the following species codes that were borrowed from the Pacific Biological Station's Salmon Stock Assessment database: 108, pink salmon; 112, chum salmon; 115, coho salmon; 118, sockeye salmon; and 124, chinook salmon. Biological data presented for each salmon includes species common name, fork length, and observed fin clip. It also includes, where available, whole body weight (g wet), sex, stomach content weight (g wet), % water that is based on the ratio of dry to wet whole body weight, coded wire tag number, and pit tag number.

Juvenile Salmon Catch Distributions

A total of 819 Pacific salmon were caught on the survey. Of these, 806 were juvenile salmon most of which would be in their first winter (age X.1) in the ocean. Of these juveniles, 2 were juvenile chum, 11 were juvenile sockeye, 307 were juvenile

coho, and 486 were juvenile chinook under 400 mm in fork length. No juvenile pinks were caught.

All the juvenile coho on the survey were caught on the west coast of Vancouver Island (Figure 7). Most were caught in the Strait of Juan de Fuca and on Swiftsure Bank, where they averaged 50.3 fish per tow. An additional 5 in total were caught on Finger Bank off Cape Beale, in Imperial Channel, and in Quatsino Sound on the west coast of Vancouver Island.

All the juvenile chinook from 100 to 199 mm in fork length, that were mostly age 0.1 ocean ecotypes, were also caught on the west coast of Vancouver Island. (Figure 8). Most were caught in the Quatisino area, where they averaged 7.8 fish per tow, compared to just 0.3 fish per tow elsewhere.

Juvenile chinook from 200-299 mm in fork length were caught primarily on the west coast of Vancouver Island and in Sumner Strait in Southeast Alaska (Figure 9), where they averaged 6.6 fish per tow and 5.0 fish per tow, respectively. They were particularly abundant in the Quatsino area on Vancouver Island, where they averaged 15.4 fish per tow.

Juvenile chinook from 300-399 mm in fork length were caught primarily off the west coast of Vancouver Island and inside Southeast Alaska up to Icy Strait at the low rates of 0.4 and 0.3 fish per tow (Figure 10).

Size Comparisons of Juvenile Salmon Among Regions

Figure 16 shows the fork length frequencies for chinook and coho salmon caught on the survey. Figure 17 shows the size distributions by region for juvenile chinook salmon that were less than 400 mm in fork length. A rigorous regional comparison of sizes of juvenile chinook for specific ocean age classes was not attempted due to the overlap for size modes that represent 0.1 and 1.1 age classes. However, based on size comparisons with CWT chinook recoveries from previous Highseas Salmon winter surveys[14,16,17,24,27,28], the juvenile chinook that were caught on the inside straits of Southeast Alaska and that averaged 271 mm, should be predominantly age 1.1, stream ecotypes; whereas juvenile chinook that were caught within the inlets on the west coast of Vancouver Island and that averaged 211 mm, should be predominantly age 0.1 ocean ecotypes. The juvenile chinook caught in the Strait of Juan de Fuca and on the shelf off the west coast of Vancouver Island that averaged 268 and 251 mm, respectively, should be a relatively more balanced mixture of ocean and stream ecotypes. Figure 18 shows the size distribution off the west coast of Vancouver Island for age 1.1 juvenile coho salmon. They averaged 342 mm in fork length with a standard error of 2.065 mm.

CWT recoveries

Table 6 shows the information collected from the CWT recoveries collected on the survey. Twelve age 0.1 juvenile chinook with CWT's were caught on the west coast of Vancouver Island. All had been released from Washington State hatcheries. None were Columbia-Snake River releases. Two age 1.1 juvenile chinook with CWT's were caught in Southeast Alaska: one in Icy Strait that had been released by the Douglas Island Pink and Chum facility in Juneau; and a second in Sumner Strait that had been released from the Whitman Lake hatchery near Ketchikan. Fourteen age 1.1 juvenile coho with CWT's were caught on the west coast of Vancouver Island. Of these, thirteen had been released in Washington State, and one was from the Inch Creek hatchery in the region of the lower Fraser in British Columbia.

Oceanographic Data

Table 4 reports the physical oceanographic data collected during the survey, including the station ID number, transect, region, the date and time in UTC, the latitude (^{o}N) and longitude (^{o}W), sea surface temperature (SST; ^{o}C), and salinity (SSS; ppt) taken from the CTD files, sea surface salinities (ppt) determined from the sample bottles that were used to calibrate the CTD probe, nitrate, silicate and phosphate concentrations (μmol L^{-1}), and chlorophyll *a* (μg L^{-1}).

The contact procedure to obtain the CTD files is available at:

http://www-sci.pac.dfo-mpo.gc.ca/osap/data/default_e.htm

Zooplankton Data

Table 5 reports the zooplankton data by station collected by the bongo tows, including the station ID number, transect, region, latitude (^{o}N) and longitude (^{o}W), bottom depth (m), the date and time, target depth (m), tow duration, wire angle (degrees), and volume of ocean water sampled in cubic meters that is calculated from the flow meter readings. Also shown are the dry weights (g) of zooplankton which were standardised to 1,000 cubic meters sampled for the 8.0, 1.7, 1.0, and 0.25 mm size factions as well as for the total sample.

The contact procedure to obtain detail species records from selected plankton sampling stations is available at:

http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/plankton/zooplanktondatabase_e.htm

REFERENCES

1) Welch, D. W., Morris, J. F. T., Demers, E., and Carlson, H. R. 2002. *F.V. Anita J.* Gulf of Alaska salmon survey, March 25 - April 9, 1995. Can. Data Rep. Fish. Aquat. Sci. 1097: 19 p.

2) Welch, D. W., Morris, J. F. T., Demers, E., and Carlson, H. R. 2002. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, October 2-20, 1995. Can. Data Rep. Fish. Aquat. Sci. 1098: 23 p.

3) Welch, D. W., Morris, J. F. T., Demers E., and Wing, B. L. 2002. *F.V. Columbia* Gulf of Alaska salmon survey, October 7 - November 10, 1995. Can. Data Rep. Fish. Aquat. Sci. 1099: 112 p.

4) Welch, D. W., Morris, J. F. T., Demers, E., and Eveson, J.P. 2002. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, October, 1996. Can. Data Rep. Fish. Aquat. Sci. 1100: 64 p.

5) Welch, D. W., Morris, J. F. T., and Demers, E. 2002. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, March - April, 1997. Can. Data Rep. Fish. Aquat. Sci. 1101: 19 p.

6) Welch, D. W., Morris, J. F. T., and Demers, E. 2002. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, November - December, 1997. Can. Data Rep. Fish. Aquat. Sci. 1102: 45 p.

7) Welch, D. W., Morris, J. F. T., Ladouceur, A. R., Tucker, S., and Demers, E. 2002. *CCGS W.E. Ricker* Gulf of Alaska salmon surveys, 1998. Can. Data Rep. Fish. Aquat. Sci. 1103: 188 p.

8) Welch, D. W., Morris, J. F. T., Ladouceur, A. R., Tucker, S., and Demers, E. 2002. *CCGS W.E. Ricker* Gulf of Alaska salmon surveys, 1999. Can. Data Rep. Fish. Aquat. Sci. 1104: 113p.

9) Welch, D. W., Morris, J. F. T., Thiess, M. E., Trudel, M., and Anderson, D. J. 2003. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, June 27 to July 6, 2000. Can. Data Rep. Fish. Aquat. Sci. 1125: 110 p.

10) Welch, D. W., Morris, J. F. T., Thiess, M. E., Trudel, M., Ladouceur, A. R., Jacobs, M. C., Zubkowski, T. B., Demers, E., and Zamon, J. E. 2004. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, June 14-24, 2001. Can. Data Rep. Fish. Aquat. Sci. 1135: 86 p.

11) Welch, D. W., Morris, J. F. T., Thiess, M. E., Trudel, M, Ladouceur, A. R., Zubkowski, T. B., MacLean, H. R., Jacobs, M. C., and Winchell, P. M. 2004. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, October 9 to November 5, 2001. Can. Data Rep. Fish. Aquat. Sci. 1136: 145 p.

12) Welch, D. W., Morris, J. F. T., Thiess, M. E., Trudel, M., Ladouceur, A. R., Jacobs, M. C., Zubkowski, T. B., and MacLean. H. R. 2004. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, August 15-26, 2002. Can. Data Rep. Fish. Aquat. Sci. 1137: 121 p.

13) Welch, D. W., Morris, J. F. T., Thiess, M. E., Trudel, M., Ladouceur, A. R., Zubkowski, T. B., Jacobs, M. C., Winchell, P.M., and MacLean, H. R. 2004. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, October 17 to November 9, 2002. Can. Data Rep. Fish. Aquat. Sci. 1138: 122 p.

14) Welch, D. W., Morris, J. F. T., Thiess, M. E., Trudel, M., Ladouceur, A. R., Zubkowski, T. B., Jacobs, M. C., Winchell, P. M., and MacLean, H. R. 2004. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, February 14-26, 2003. Can. Data Rep. Fish. Aquat. Sci. 1139: 65 p.

15) Welch, D. W., Morris, J. F. T., Thiess, M. E., Trudel, M., Zamon, J. E., Zubkowski, T. B., Ladouceur, A. R., Jacobs, M. C., Robert, M., and Wyeth, M. 2004. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, October 4-30, 2000. Can. Data Rep. Fish. Aquat. Sci. 1141: 205 p.

16) Welch, D. W., Morris, J. F. T., Zamon, J. E., Thiess, M. E., Trudel, M., Ladouceur, A. R, Jacobs, M. C., Zubkowski, T. B., Demers, E., and Robert, M. 2004. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, March 9-24, 2001. Can. Data Rep. Fish. Aquat. Sci. 1142: 67 p.

17) Welch, D. W., Morris, J. F. T., Thiess, M. E., Trudel, M., Ladouceur, A. R., Jacobs, M. C., Zubkowski, T. B., Winchell, P. M., and MacLean, H. R. 2004. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, February 27 to March 17, 2002. Can. Data Rep. Fish. Aquat. Sci. 1143: 56 p.

18) Welch, D. W., Morris, J. F. T., Thiess, M. E., Trudel, M., Ladouceur, A. R., Zubkowski, T. B., Jacobs, M. C., Winchell, P. M., and MacLean, H. R. 2004. *CCGS W. E. Ricker* Gulf of Alaska salmon survey, June 9-11, 2003. Can. Data Rep. Fish. Aquat. Sci. 1144: 54 p.

19) Welch, D. W., Morris, J. F. T., Thiess, M. E., Trudel, M., Ladouceur, A. R., Jacobs, M. C., Zubkowski, T. B., and MacLean, H. R. 2004. *CCGS W. E. Ricker* Gulf of Alaska salmon survey, October 8-27, 2003. Can. Data Rep. Fish. Aquat. Sci. 1145: 116 p.

20) Welch, D. W., Morris, J. F. T., Thiess, M. E., Trudel, M., Ladouceur, A. R., Zubkowski, T. B., Jacobs, M. C., and MacLean, H. R. 2004. *F.V. Ocean Selector* Gulf of Alaska salmon survey, June 16-28, 2002. Can Data Rep. Fish. Aquat. Sci. 1146: 71 p.

21) Morris, J. F. T., Welch, D. W., Thiess, M. E., Trudel, M., Ladouceur, A. R., Jacobs, M. C., and Zubkowski, T. B. 2004. The joint USA – Canada echo integration - trawl survey in 2001: a report on the catch and biological data collected for Pacific salmon from July 28 to August 18. Can Data Rep. Fish. Aquat. Sci. 1150: 110 p.

22) Morris, J. F. T., Welch, D. W., Winchell, P. M., Thiess, M. E., Trudel, M., Zubkowski, T. B., and MacLean, H.R.. 2004. The joint USA – Canada echo integration - trawl survey from June 24 to September 8, 2003: a report on the catch and biological data collected for Pacific salmon off Southeast Alaska. Can Data Rep. Fish. Aquat. Sci. 1151: 43 p.

23) Morris, J. F. T., Trudel, M.,Thiess, M. E., Zubkowski, T. B., and MacLean, H. R. 2007. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, October 20 – November 21, 2004. Can. Data Rep. Fish. Aquat. Sci. 1184: 121 p.

24) Morris, J. F. T., Trudel, M., Thiess, M. E., Zubkowski, T. B., and MacLean, H. R. 2007. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, March 4-25, 2005. Can. Data Rep. Fish. Aquat. Sci. 1185: 83 p.

25) Morris,J. F. T., Trudel, M., Thiess, M. E., Zubkowski, T. B., Boyle, C. A., and MacLean, H. R. 2007. *CFV Frosti* Gulf of Alaska salmon survey, October 27 - November 20, 2005. Can. Data Rep. Fish. Aquat. Sci. 1186: 136 p.

26) Morris, J. F. T., Trudel, M., Thiess, M. E., Zubkowski, T. B., and MacLean, H. R. 2007. *CFV Frosti* Gulf of Alaska salmon survey, June 28 - July 7, 2005. Can. Data Rep. Fish. Aquat. Sci. 1187: 125 p.

27) Morris, J. F. T., Trudel, M., Thiess, M. E., Zubkowski, T. B., Boyle, C. A., and MacLean, H. R. 2007. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, February 28 - March 27, 2006. Can. Data Rep. Fish. Aquat. Sci. 1191: 73 p.

28) Morris, J. F. T., Trudel, M., Welch, D. W.,Thiess, M. E., Zubkowski, T. B., and MacLean, H. R. 2007. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, February 13-28, 2004. Can. Data Rep. Fish. Aquat. Sci. 1193: 47 p.

29) Morris, J. F. T., Trudel, M., Thiess, M. E., Zubkowski, T. B., and MacLean, H. R. 2007. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, June 12-19, 2004. Can. Data Rep. Fish. Aquat. Sci. 1194: 150 p.

30) Morris, J. F. T., Trudel, M., Thiess, M. E., Zubkowski, T. B., Boyle, C. A., and Maclean, H. R. 2008. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, June 21-30, 2006. Can. Data Rep. Fish. Aquat. Sci. 1198: 145 p.

31) Morris, J. F. T., Trudel, M., Thiess, M. E., Boyle, C. A., Zubkowski,T. B., and Maclean, H. R. 2008. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, November 7 - December 5, 2006. Can. Data Rep. Fish. Aquat. Sci. 1199: 144 p.

Table 1. Tow positions and catch summaries of Pacific salmon for the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Station ID	Station Name	Region	Date	Time	Latitude (°N)	Longitude (°W)	Heading (°T)	SOG (kts)	Bottom Depth (m)	CK all	CM Juv	CM ad.	CO Juv	CO Ad.	PK Juv	PK Ad.	SE Juv	SE Ad.
HS200709-JF01	JUAN DE FUCA - BECHER BAY	JF	28-Feb-07	07:46	48.305	123.676	287	5.19	135	0	1	0	5	0	0	0	0	0
HS200709-JF02	JUAN DE FUCA - OTTER PT	JF	28-Feb-07	09:28	48.338	123.867	288	5.38	129	6	1	0	67	0	0	0	0	0
HS200709-JF03	JUAN DE FUCA - RIVER JORDAN	JF	28-Feb-07	11:25	48.388	124.084	291	4.95	107	17	0	0	175	0	0	0	0	0
HS200709-JF04	JUAN DE FUCA - SOMBRIO PT	JF	28-Feb-07	13:57	48.449	124.325	295	4.41	115	12	0	0	20	0	0	0	0	0
HS200709-JF05	JUAN DE FUCA - SAN JUAN	JF	28-Feb-07	15:55	48.503	124.515	295	5.05	162	26	0	0	18	0	0	0	0	0
HS200709-VI01	SWIFTSURE BANK	VI	28-Feb-07	17:58	48.592	124.791	290	5.24	44	15	0	0	17	0	0	0	0	0
HS200709-IVI01	BARKLEY SD - IMPERIAL EAGLE CH	IVI	01-Mar-07	07:26	48.963	125.162	205	5.18	92	2	0	0	0	0	0	0	0	0
HS200709-IVI02	BARKLEY SD - IMPERIAL EAGLE CH	IVI	01-Mar-07	08:44	48.891	125.227	208	5.57	90	1	0	0	1	0	0	0	0	0
HS200709-IVI03	BARKLEY SD - CAPE BEALE	IVI	01-Mar-07	10:01	48.833	125.265	190	5.37	104	10	0	0	0	0	0	0	0	0
HS200709-VI02	8' WEST CAPE BEALE	VI	01-Mar-07	12:00	48.722	125.361	231	5.78	136	9	0	0	0	0	0	0	0	0
HS200709-VI03	FINGER BANK	VI	01-Mar-07	13:38	48.660	125.529	232	5.98	60	1	0	0	3	0	0	0	10	0
HS200709-VI04	FINGER BANK	VI	01-Mar-07	14:48	48.595	125.668	234	5.97	56	1	0	0	0	0	0	0	0	0
HS200709-VI05	FINGER BANK	VI	01-Mar-07	16:31	48.515	125.834	231	5.53	87	0	0	0	0	0	0	0	0	0
HS200709-IVI04	NOOTKA SD - MUCHALAT	IVI	02-Mar-07	07:36	49.670	126.156	253	5.77	352	1	0	0	0	0	0	0	0	0
HS200709-IVI05	NOOTKA SD - MUCHALAT	IVI	02-Mar-07	09:08	49.646	126.283	269	5.99	267	0	0	0	0	0	0	0	0	0
HS200709-IVI06	NOOTKA SD - HANNA CH	IVI	02-Mar-07	11:01	49.654	126.465	318	5.48	184	0	0	0	0	0	0	0	0	0
HS200709-IVI07	NOOTKA SD - TLUPANA INLET	IVI	02-Mar-07	13:12	49.772	126.469	174	6.58	142	0	0	0	0	0	0	0	0	0
HS200709-IVI08	NOOTKA SD - TLUPANA INLET	IVI	02-Mar-07	14:47	49.693	126.521	250	5.47	248	0	0	0	0	0	0	0	0	0
HS200709-IVI09	NOOTKA SD - COOK CH	IVI	02-Mar-07	16:08	49.637	126.607	175	5.66	156	0	0	0	0	0	0	0	0	0
HS200709-IVI10	NOOTKA SD - ZUCIARTE CH	IVI	02-Mar-07	17:53	49.598	126.540	41	4.74	123	0	0	0	0	0	0	0	0	0
HS200709-EP01	ESTEVAN PT	VI	03-Mar-07	09:52	49.341	126.560	241	5.52	51	7	0	0	0	0	0	0	0	0
HS200709-EP02	ESTEVAN PT	VI	03-Mar-07	11:15	49.312	126.623	239	5.19	91	6	0	0	0	0	0	0	0	0
HS200709-EP03	ESTEVAN PT	VI	03-Mar-07	12:43	49.281	126.694	237	5.33	110	12	0	0	0	0	0	0	0	0
HS200709-EP04	ESTEVAN PT	VI	03-Mar-07	14:12	49.244	126.792	221	4.62	124	3	0	0	0	0	0	0	0	0
HS200709-EP05	ESTEVAN PT	VI	03-Mar-07	15:30	49.204	126.855	228	5.38	142	0	0	0	0	0	0	0	0	0
HS200709-EP06	ESTEVAN PT	VI	03-Mar-07	16:50	49.165	126.935	239	5.06	209	0	0	0	0	0	0	0	0	0
HS200709-IVI11	ESPERANZA - TAHSIS INLET	IVI	04-Mar-07	08:05	49.803	126.655	354	4.83	126	5	0	0	0	0	0	0	0	0
HS200709-IVI12	ESPERANZA - HECATE CH	IVI	04-Mar-07	09:59	49.871	126.756	328	5.39	248	1	0	0	0	0	0	0	0	0
HS200709-IVI13	ESPERANZA - ZEBALLOS INLET	IVI	04-Mar-07	11:24	49.940	126.808	178	5.24	200	6	0	0	0	0	0	0	0	0
HS200709-IVI14	ESPERANZA - ZEBALLOS INLET	IVI	04-Mar-07	12:49	49.867	126.845	259	5.05	202	4	0	0	0	0	0	0	0	0

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Station ID	Station Name	Region	Date	Time	Latitude (°N)	Longitude (°W)	Heading (°T)	SOG (kts)	Bottom Depth (m)	CK all	CM Juv	CM ad.	CO Juv	CO Ad.	PK Juv	PK Ad.	SE Juv	SE Ad.
HS200709-IVI15	ESPERANZA - ESPINOSIS INLET	IVI	04-Mar-07	14:43	49.954	126.934	177	5.29	197	2	0	0	0	0	0	0	0	0
HS200709-VI06	OFF ESPERANZA	VI	04-Mar-07	16:46	49.782	126.093	266	5.41	46	3	0	0	0	0	0	0	0	0
HS200709-IVI16	QUATSINO - QUATSINO CH	IVI	05-Mar-07	07:29	50.497	127.746	62	5.17	109	48	0	0	0	0	0	0	0	0
HS200709-IVI17	QUATSINO - QUATSINO CH	IVI	05-Mar-07	09:55	50.470	127.925	74	4.7	184	2	0	0	1	0	0	0	0	0
HS200709-IVI18	QUATSINO - QUATSINO CH	IVI	05-Mar-07	11:06	50.484	127.847	79	5.13	172	7	0	0	0	0	0	0	0	0
HS200709-IVI19	QUATSINO - NEROUTSOS INLET	IVI	05-Mar-07	13:16	50.486	127.564	146	4.92	167	2	0	0	0	0	0	0	0	0
HS200709-IVI20	QUATSINO - NEROUTSOS INLET	IVI	05-Mar-07	15:12	50.406	127.493	333	5.64	139	0	0	0	0	0	0	0	0	0
HS200709-IVI21	QUATSINO - NEROUTSOS INLET	IVI	05-Mar-07	16:49	50.441	127.516	326	6.05	185	2	0	0	0	0	0	0	0	0
HS200709-IVI22	QUATSINO - QUATSINO CH	IVI	06-Mar-07	07:36	50.529	127.642	241	6.13	99	104	0	0	0	0	0	0	0	0
HS200709-IVI23	QUATSINO - HOLBERG INLET	IVI	06-Mar-07	09:51	50.577	127.583	285	5.06	130	25	0	0	0	0	0	0	0	0
HS200709-IVI24	QUATSINO - HOLBERG INLET	IVI	06-Mar-07	11:19	50.593	127.722	97	5.05	85	7	0	0	0	0	0	0	0	0
HS200709-IVI25	QUATSINO - RUPERT INLET	IVI	06-Mar-07	13:16	50.584	127.463	256	5.69	60	27	0	0	0	0	0	0	0	0
HS200709-IVI26	QUATSINO - NEROUTSOS INLET	IVI	06-Mar-07	15:32	50.508	127.601	137	4.93	126	34	0	0	0	0	0	0	0	0
HS200709-IBC01	FITZ-HUGH SD - KWAKSHUA	IBC	08-Mar-07	07:40	51.664	127.950	340	5.49	320	0	0	0	0	0	0	0	0	0
HS200709-IBC02	FITZ-HUGH SD - NAMU	IBC	08-Mar-07	10:03	51.901	127.933	2	5.81	329	0	0	0	0	0	0	0	0	0
HS200709-IBC03	FISHER CH	IBC	08-Mar-07	11:39	52.025	127.918	13	6.03	364	0	0	0	0	0	0	0	0	0
HS200709-IBC04	FISHER CH	IBC	08-Mar-07	13:16	52.147	127.868	26	5.88	523	0	0	0	0	0	0	0	0	0
HS200709-IBC05	DEAN CH	IBC	08-Mar-07	14:59	52.263	127.721	76	4.77	401	0	0	0	0	0	0	0	0	0
HS200709-IBC06	DEAN CH - LOCKER PT	IBC	08-Mar-07	16:45	52.315	127.529	52	4.94	272	0	0	0	0	0	0	0	0	0
HS200709-IBC07	DEAN CH - KIMSQUIT	IBC	09-Mar-07	07:41	52.770	126.974	166	4.71	367	0	0	0	0	0	0	0	0	0
HS200709-IBC08	DEAN CH - SYLVESTER PT	IBC	09-Mar-07	09:37	52.641	127.017	245	4.58	468	0	0	0	0	0	0	0	0	0
HS200709-IBC09	DEAN CH - WHITECLIFFLE PT	IBC	09-Mar-07	11:23	52.574	127.167	232	3.97	448	0	0	0	0	0	0	0	0	0
HS200709-IBC10	DEAN CH - NASCALL BAY	IBC	09-Mar-07	13:09	52.487	127.252	182	4.72	478	0	0	0	0	0	0	0	0	0
HS200709-IBC12	BURKE CH - GAARDEN PT	IBC	09-Mar-07	16:15	52.254	127.305	243	4.53	571	0	0	0	0	0	0	0	0	0
HS200709-IBC13	PORTLAND INLET - OBSERVATORY IN	IBC	11-Mar-07	07:28	55.142	129.914	216	4.17	496	1	0	0	0	0	0	0	0	0
HS200709-IBC14	PORTLAND INLET - OBSERVATORY IN	IBC	11-Mar-07	09:02	55.059	130.003	194	5.94	107	0	0	0	0	0	0	0	0	0
HS200709-IBC15	PORTLAND INLET - OBSERVATORY IN	IBC	11-Mar-07	10:36	54.957	130.087	217	5.27	289	0	0	0	0	0	0	0	0	0
HS200709-IBC16	PORTLAND INLET - PROMISE IS	IBC	11-Mar-07	12:22	54.835	130.240	218	5.45	419	0	0	0	0	0	0	0	0	0
HS200709-IBC17	PORTLAND INLET - ENTRANCE	IBC	11-Mar-07	14:23	54.691	130.436	213	5.24	427	0	0	0	0	0	0	0	0	0
HS200709-IBC18	CHATHAM SD - NORTH	IBC	11-Mar-07	16:13	54.543	130.517	189	5.23	137	0	0	0	0	0	0	0	0	0

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Station ID	Station Name	Region	Date	Time	Latitude (°N)	Longitude (°W)	Heading (°T)	SOG (kts)	Bottom Depth (m)	CK all	CM Juv	CM ad.	CO Juv	CO Ad.	PK Juv	PK Ad.	SE Juv	SE Ad.
HS200709-ISEA01	CLARENCE STRAIT	ISEA	13-Mar-07	07:43	54.838	131.796	351	5.06	393	1	0	0	0	0	0	0	0	0
HS200709-ISEA02	CLARENCE STRAIT	ISEA	13-Mar-07	10:02	55.049	131.859	351	4.86	402	0	0	0	0	0	0	0	0	0
HS200709-ISEA03	CLARENCE STRAIT	ISEA	13-Mar-07	12:33	55.253	131.921	338	4.74	360	1	0	0	0	0	0	0	0	0
HS200709-ISEA04	CLARENCE STRAIT	ISEA	13-Mar-07	15:03	55.462	132.093	328	5.66	419	0	0	0	0	0	0	0	0	0
HS200709-ISEA05	CLARENCE STRAIT	ISEA	13-Mar-07	18:08	55.671	132.294	335	5.76	650	0	0	0	0	0	0	0	0	0
HS200709-ISEA06	STIKINE STRAIT	ISEA	14-Mar-07	07:38	56.277	132.627	25	5.97	320	0	0	0	0	0	0	0	0	0
HS200709-ISEA07	STIKINE STRAIT - CHICHAGOF PASS	ISEA	14-Mar-07	09:18	56.347	132.509	263	5.7	177	0	0	0	0	0	0	0	0	0
HS200709-ISEA08	SUMNER STRAIT - W WORONOFSKI IS	ISEA	14-Mar-07	10:45	56.371	132.593	12	5.53	307	1	0	0	0	0	0	0	0	0
HS200709-ISEA09	SUMNER STRAIT - W VANK IS	ISEA	14-Mar-07	12:24	56.465	132.661	302	6.02	53	0	0	0	0	0	0	0	0	0
HS200709-ISEA10	SUMNER STRAIT - NW VANK IS	ISEA	14-Mar-07	13:50	56.497	132.703	249	5.09	119	1	0	0	0	0	0	0	0	0
HS200709-ISEA11	SUMNER STRAIT- WOODPECKER CV	ISEA	14-Mar-07	15:08	56.484	132.866	261	5.56	105	0	0	0	0	0	0	0	0	0
HS200709-ISEA12	SUMNER STRAIT	ISEA	14-Mar-07	16:51	56.442	133.038	229	6.01	128	3	0	0	0	0	0	0	0	0
HS200709-ISEA13	SUMNER STRAIT	ISEA	14-Mar-07	18:24	56.409	133.106	231	8.44	79	0	0	0	0	0	0	0	0	0
HS200709-ISEA14	SUMNER STRAIT	ISEA	15-Mar-07	07:36	56.378	133.367	269	5.06	300	36	0	0	0	0	0	0	0	0
HS200709-ISEA15	SUMNER STRAIT	ISEA	15-Mar-07	09:10	56.398	133.562	279	5.08	297	15	0	0	0	0	0	0	0	0
HS200709-ISEA16	SUMNER STRAIT	ISEA	15-Mar-07	11:12	56.314	133.798	174	5.62	317	1	0	0	0	0	0	0	0	0
HS200709-ISEA17	SUMNER STRAIT	ISEA	15-Mar-07	13:30	56.080	133.826	238	5.78	374	8	0	0	0	0	0	0	1	0
HS200709-ISEA18	CHATHAM STRAIT - CAPE DECISION	ISEA	15-Mar-07	15:48	56.009	134.229	332	5.36	59	3	0	0	0	0	0	0	0	0
HS200709-ISEA19	CHATHAM STRAIT- P. MALMESBURY	ISEA	15-Mar-07	18:05	56.229	134.323	356	5.48	112	0	0	0	0	0	0	0	0	0
HS200709-ISEA20	ICY STRAIT	ISEA	16-Mar-07	07:43	57.978	134.865	344	5.38	540	1	0	0	0	0	0	0	0	0
HS200709-ISEA21	ICY STRAIT	ISEA	16-Mar-07	10:04	58.131	135.150	291	5.3	412	0	0	0	0	0	0	0	0	0
HS200709-ISEA22	ICY STRAIT	ISEA	16-Mar-07	11:35	58.183	135.183	303	5.62	284	0	0	0	0	0	0	0	0	0
HS200709-ISEA23	ICY STRAIT	ISEA	16-Mar-07	13:09	58.241	135.366	324	5.72	265	2	0	0	0	0	0	0	0	0
HS200709-ISEA24	ICY STRAIT	ISEA	16-Mar-07	15:39	58.302	135.837	236	7.13	89	0	0	0	0	0	0	0	0	0
HS200709-ISEA25	ICY STRAIT	ISEA	16-Mar-07	16:56	58.245	136.068	279	7.96	136	5	0	0	0	0	0	0	0	0
HS200709-ISEA26	STEPHENS PASSAGE	ISEA	17-Mar-07	07:20	58.183	134.366	95	5.15	53	1	0	0	0	0	0	0	0	0
HS200709-ISEA27	STEPHENS PASSAGE	ISEA	17-Mar-07	09:26	58.110	134.096	166	5.07	213	0	0	0	0	0	0	0	0	0
HS200709-ISEA28	STEPHENS PASSAGE	ISEA	17-Mar-07	11:18	57.981	133.961	147	5.42	290	0	0	0	0	0	0	0	0	0
HS200709-ISEA29	STEPHENS PASSAGE	ISEA	17-Mar-07	13:29	57.807	133.818	162	5.29	309	0	0	0	0	0	0	0	0	0
HS200709-ISEA30	STEPHENS PASSAGE	ISEA	17-Mar-07	16:37	57.492	133.709	177	5.1	124	0	0	0	0	0	0	0	0	0

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Station ID	Station Name	Region	Date	Time	Latitude (°N)	Longitude (°W)	Heading (°T)	SOG (kts)	Bottom Depth (m)	CK all	CM Juv	CM ad.	CO Juv	CO Ad.	PK Juv	PK Ad.	SE Juv	SE Ad.
HS200709-ISEA31	STEPHENS PASSAGE	ISEA	17-Mar-07	18:28	57.342	133.752	181	5.48	369	0	0	0	0	0	0	0	0	0
HS200709-ISEA32	FREDERICK SOUND	ISEA	18-Mar-07	07:57	57.137	133.903	114	4.77	87	0	0	0	0	0	0	0	0	0
HS200709-ISEA33	FREDERICK SOUND	ISEA	18-Mar-07	09:36	57.090	133.658	104	5.79	101	0	0	0	0	0	0	0	0	0
HS200709-ISEA34	FREDERICK SOUND	ISEA	18-Mar-07	11:07	57.057	133.433	105	5.67	87	0	0	0	0	0	0	0	0	0
HS200709-ISEA35	FREDERICK SOUND	ISEA	18-Mar-07	12:45	57.032	133.193	112	5.43	191	0	0	0	0	0	0	0	0	0
HS200709-ISEA36	FREDERICK SOUND	ISEA	18-Mar-07	14:25	56.952	132.981	134	5.01	140	0	0	0	0	0	0	0	0	0
HS200709-ISEA37	FREDERICK SOUND	ISEA	18-Mar-07	16:09	56.838	132.868	142	5.02	199	0	0	0	0	0	0	0	0	0
HS200709-ISEA38	FREDERICK SOUND	ISEA	18-Mar-07	18:05	56.759	132.709	318	4.52	160	0	0	0	0	0	0	0	0	0
HS200709-ISEA39	CHATHAM STRAIT	ISEA	19-Mar-07	07:50	57.353	134.712	171	5.22	556	0	0	0	0	0	0	0	0	0
HS200709-ISEA40	CHATHAM STRAIT	ISEA	19-Mar-07	10:02	57.126	134.685	179	5.29	578	0	0	0	0	0	0	0	0	0
HS200709-ISEA41	CHATHAM STRAIT	ISEA	19-Mar-07	12:40	56.882	134.640	167	4.28	647	0	0	0	0	0	0	0	0	0
HS200709-ISEA42	REVILLAGIGEDO CH	ISEA	20-Mar-07	10:09	55.226	131.412	115	5.67	124	0	0	0	0	0	0	0	0	0
HS200709-ISEA43	REVILLAGIGEDO CH	ISEA	20-Mar-07	12:29	55.152	131.167	164	5.31	202	0	0	0	0	0	0	0	0	0
HS200709-ISEA44	REVILLAGIGEDO CH	ISEA	20-Mar-07	14:08	55.037	131.124	179	5.29	343	3	0	0	0	0	0	0	0	0
HS200709-ISEA45	REVILLAGIGEDO CH	ISEA	20-Mar-07	15:58	54.876	131.120	186	5.26	186	6	0	0	0	0	0	0	0	0
HS200709-DE05	DIXON ENTRANCE - NANKIVELL PT	DE	21-Mar-07	07:24	54.216	132.893	100	5.28	142	0	0	0	0	0	0	0	0	0
HS200709-DE04	DIXON ENTRANCE - VIRAGO SOUND	DE	21-Mar-07	09:35	54.148	132.533	109	5.07	67	1	0	0	0	0	0	0	0	0
HS200709-DE03	DIXON ENTRANCE - WIAH PT	DE	21-Mar-07	11:18	54.131	132.226	77	5.41	45	0	0	0	0	0	0	0	0	0
HS200709-DE02	DIXON ENTRANCE - MCINTYRE BAY	DE	21-Mar-07	13:33	54.156	131.992	77	6.28	58	0	0	0	0	0	0	0	0	0
HS200709-DE01	DIXON ENTRANCE - ROSE SPIT	DE	21-Mar-07	15:30	54.255	131.682	71	5.19	128	0	0	0	0	0	0	0	0	0
HS200709-H06	HECATE ST	HS	22-Mar-07	07:38	52.472	130.467	107	5.28	173	0	0	0	0	0	0	0	0	0
HS200709-H05	HECATE ST	HS	22-Mar-07	09:35	52.433	130.215	111	4.64	312	0	0	0	0	0	0	0	0	0
HS200709-H04	HECATE ST	HS	22-Mar-07	11:44	52.372	129.945	104	4.76	197	0	0	0	0	0	0	0	0	0
HS200709-H03	HECATE ST	HS	22-Mar-07	13:56	52.327	129.698	86	5.2	182	0	0	0	0	0	0	0	0	0
HS200709-H02	HECATE ST	HS	22-Mar-07	16:19	52.268	129.423	106	4.22	169	0	0	0	0	0	0	0	0	0
HS200709-H01	HECATE ST	HS	22-Mar-07	18:27	52.200	129.154	125	4.92	156	0	0	0	0	0	0	0	0	0
HS200709-IBC19	FITZ-HUGH SD - KELPIE PT	IBC	23-Mar-07	08:23	51.717	127.966	165	4.35	322	1	0	0	0	0	0	0	0	0
HS200709-IBC20	FITZ-HUGH SD - WEDGBOROUGH PT	IBC	23-Mar-07	09:52	51.644	127.924	157	4.57	328	0	0	0	0	0	0	0	0	0
HS200709-IBC21	FITZ-HUGH SD - TRUMAN PT	IBC	23-Mar-07	11:19	51.566	127.876	178	4.54	205	0	0	0	0	0	0	0	0	0

Table 1. Tow positions and catch summaries of Pacific salmon for the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Station ID	Station Name	Region	Date	Time	Latitude (°N)	Longitude (°W)	Heading (°T)	SOG (kts)	Bottom Depth (m)	CK all	CM Juv	CM ad.	CO Juv	CO Ad.	PK Juv	PK Ad.	SE Juv	SE Ad.
									Totals	499	2	0	307	0	0	0	11	0
														Overall total			819	

Table 2. Catch summaries for each size class of Chinook salmon for the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Station ID	Region	Date	Time PST	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	CK<100 mm	CK 100-199 mm	CK 200-299 mm	CK 300-349 mm	CK 350-399 mm	CK 400-499mm	CK >=500 mm	CK all
HS200709-JF01	JF	28-Feb-07	07:46	48.305	123.676	135	0	0	0	0	0	0	0	0
HS200709-JF02	JF	28-Feb-07	09:28	48.338	123.867	129	0	1	3	0	0	2	0	6
HS200709-JF03	JF	28-Feb-07	11:25	48.388	124.084	107	0	1	13	2	0	0	1	17
HS200709-JF04	JF	28-Feb-07	13:57	48.449	124.325	115	0	0	10	0	0	2	0	12
HS200709-JF05	JF	28-Feb-07	15:55	48.503	124.515	162	0	0	18	7	0	1	0	26
HS200709-VI01	VI	28-Feb-07	17:58	48.592	124.791	44	0	1	11	0	0	1	2	15
HS200709-IVI01	IVI	01-Mar-07	07:26	48.963	125.162	92	0	0	2	0	0	0	0	2
HS200709-IVI02	IVI	01-Mar-07	08:44	48.891	125.227	90	0	0	1	0	0	0	0	1
HS200709-IVI03	IVI	01-Mar-07	10:01	48.833	125.265	104	0	0	10	0	0	0	0	10
HS200709-VI02	VI	01-Mar-07	12:00	48.722	125.361	136	0	3	6	0	0	0	0	9
HS200709-VI03	VI	01-Mar-07	13:38	48.660	125.529	60	0	0	1	0	0	0	0	1
HS200709-VI04	VI	01-Mar-07	14:48	48.595	125.668	56	0	0	1	0	0	0	0	1
HS200709-VI05	VI	01-Mar-07	16:31	48.515	125.834	87	0	0	0	0	0	0	0	0
HS200709-IVI04	IVI	02-Mar-07	07:36	49.670	126.156	352	0	0	1	0	0	0	0	1
HS200709-IVI05	IVI	02-Mar-07	09:08	49.646	126.283	267	0	0	0	0	0	0	0	0
HS200709-IVI06	IVI	02-Mar-07	11:01	49.654	126.465	184	0	0	0	0	0	0	0	0
HS200709-IVI07	IVI	02-Mar-07	13:12	49.772	126.469	142	0	0	0	0	0	0	0	0
HS200709-IVI08	IVI	02-Mar-07	14:47	49.693	126.521	248	0	0	0	0	0	0	0	0
HS200709-IVI09	IVI	02-Mar-07	16:08	49.637	126.607	156	0	0	0	0	0	0	0	0
HS200709-IVI10	IVI	02-Mar-07	17:53	49.598	126.540	123	0	0	0	0	0	0	0	0
HS200709-EP01	VI	03-Mar-07	09:52	49.341	126.560	51	0	0	5	2	0	0	0	7
HS200709-EP02	VI	03-Mar-07	11:15	49.312	126.623	91	0	0	1	3	0	0	2	6
HS200709-EP03	VI	03-Mar-07	12:43	49.281	126.694	110	0	0	11	1	0	0	0	12
HS200709-EP04	VI	03-Mar-07	14:12	49.244	126.792	124	0	0	3	0	0	0	0	3
HS200709-EP05	VI	03-Mar-07	15:30	49.204	126.855	142	0	0	0	0	0	0	0	0
HS200709-EP06	VI	03-Mar-07	16:50	49.165	126.935	209	0	0	0	0	0	0	0	0
HS200709-IVI11	IVI	04-Mar-07	08:05	49.803	126.655	126	0	3	2	0	0	0	0	5
HS200709-IVI12	IVI	04-Mar-07	09:59	49.871	126.756	248	0	1	0	0	0	0	0	1
HS200709-IVI13	IVI	04-Mar-07	11:24	49.940	126.808	200	0	1	5	0	0	0	0	6
HS200709-IVI14	IVI	04-Mar-07	12:49	49.867	126.845	202	0	0	4	0	0	0	0	4

Table 2. Catch summaries for each size class of Chinook salmon for the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Station ID	Region	Date	Time PST	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	CK<100 mm	CK 100-199 mm	CK 200-299 mm	CK 300-349 mm	CK 350-399 mm	CK 400-499mm	CK >=500 mm	CK all
HS200709-IVI15	IVI	04-Mar-07	14:43	49.954	126.934	197	0	0	2	0	0	0	0	2
HS200709-VI06	VI	04-Mar-07	16:46	49.782	126.093	46	0	0	3	0	0	0	0	3
HS200709-IVI16	IVI	05-Mar-07	07:29	50.497	127.746	109	0	15	33	0	0	0	0	48
HS200709-IVI17	IVI	05-Mar-07	09:55	50.470	127.925	184	0	1	1	0	0	0	0	2
HS200709-IVI18	IVI	05-Mar-07	11:06	50.484	127.847	172	0	1	6	0	0	0	0	7
HS200709-IVI19	IVI	05-Mar-07	13:16	50.486	127.564	167	0	1	1	0	0	0	0	2
HS200709-IVI20	IVI	05-Mar-07	15:12	50.406	127.493	139	0	0	0	0	0	0	0	0
HS200709-IVI21	IVI	05-Mar-07	16:49	50.441	127.516	185	0	1	1	0	0	0	0	2
HS200709-IVI22	IVI	06-Mar-07	07:36	50.529	127.642	99	0	27	74	2	0	1	0	104
HS200709-IVI23	IVI	06-Mar-07	09:51	50.577	127.583	130	0	10	15	0	0	0	0	25
HS200709-IVI24	IVI	06-Mar-07	11:19	50.593	127.722	85	0	3	4	0	0	0	0	7
HS200709-IVI25	IVI	06-Mar-07	13:16	50.584	127.463	60	0	21	6	0	0	0	0	27
HS200709-IVI26	IVI	06-Mar-07	15:32	50.508	127.601	126	0	6	28	0	0	0	0	34
HS200709-IBC01	IBC	08-Mar-07	07:40	51.664	127.950	320	0	0	0	0	0	0	0	0
HS200709-IBC02	IBC	08-Mar-07	10:03	51.901	127.933	329	0	0	0	0	0	0	0	0
HS200709-IBC03	IBC	08-Mar-07	11:39	52.025	127.918	364	0	0	0	0	0	0	0	0
HS200709-IBC04	IBC	08-Mar-07	13:16	52.147	127.868	523	0	0	0	0	0	0	0	0
HS200709-IBC05	IBC	08-Mar-07	14:59	52.263	127.721	401	0	0	0	0	0	0	0	0
HS200709-IBC06	IBC	08-Mar-07	16:45	52.315	127.529	272	0	0	0	0	0	0	0	0
HS200709-IBC07	IBC	09-Mar-07	07:41	52.770	126.974	367	0	0	0	0	0	0	0	0
HS200709-IBC08	IBC	09-Mar-07	09:37	52.641	127.017	468	0	0	0	0	0	0	0	0
HS200709-IBC09	IBC	09-Mar-07	11:23	52.574	127.167	448	0	0	0	0	0	0	0	0
HS200709-IBC10	IBC	09-Mar-07	13:09	52.487	127.252	478	0	0	0	0	0	0	0	0
HS200709-IBC12	IBC	09-Mar-07	16:15	52.254	127.305	571	0	0	0	0	0	0	0	0
HS200709-IBC13	IBC	11-Mar-07	07:28	55.142	129.914	496	0	0	0	1	0	0	0	1
HS200709-IBC14	IBC	11-Mar-07	09:02	55.059	130.003	107	0	0	0	0	0	0	0	0
HS200709-IBC15	IBC	11-Mar-07	10:36	54.957	130.087	289	0	0	0	0	0	0	0	0
HS200709-IBC16	IBC	11-Mar-07	12:22	54.835	130.240	419	0	0	0	0	0	0	0	0
HS200709-IBC17	IBC	11-Mar-07	14:23	54.691	130.436	427	0	0	0	0	0	0	0	0
HS200709-IBC18	IBC	11-Mar-07	16:13	54.543	130.517	137	0	0	0	0	0	0	0	0

Table 2. Catch summaries for each size class of Chinook salmon for the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Station ID	Region	Date	Time PST	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	CK<100 mm	CK 100-199 mm	CK 200-299 mm	CK 300-349 mm	CK 350-399 mm	CK 400-499mm	CK >=500 mm	CK all
HS200709-ISEA01	ISEA	13-Mar-07	07:43	54.838	131.796	393	0	0	1	0	0	0	0	1
HS200709-ISEA02	ISEA	13-Mar-07	10:02	55.049	131.859	402	0	0	0	0	0	0	0	0
HS200709-ISEA03	ISEA	13-Mar-07	12:33	55.253	131.921	360	0	0	0	1	0	0	0	1
HS200709-ISEA04	ISEA	13-Mar-07	15:03	55.462	132.093	419	0	0	0	0	0	0	0	0
HS200709-ISEA05	ISEA	13-Mar-07	18:08	55.671	132.294	650	0	0	0	0	0	0	0	0
HS200709-ISEA06	ISEA	14-Mar-07	07:38	56.277	132.627	320	0	0	0	0	0	0	0	0
HS200709-ISEA07	ISEA	14-Mar-07	09:18	56.347	132.509	177	0	0	0	0	0	0	0	0
HS200709-ISEA08	ISEA	14-Mar-07	10:45	56.371	132.593	307	0	0	0	1	0	0	0	1
HS200709-ISEA09	ISEA	14-Mar-07	12:24	56.465	132.661	53	0	0	0	0	0	0	0	0
HS200709-ISEA10	ISEA	14-Mar-07	13:50	56.497	132.703	119	0	0	1	0	0	0	0	1
HS200709-ISEA11	ISEA	14-Mar-07	15:08	56.484	132.866	105	0	0	0	0	0	0	0	0
HS200709-ISEA12	ISEA	14-Mar-07	16:51	56.442	133.038	128	0	0	3	0	0	0	0	3
HS200709-ISEA13	ISEA	14-Mar-07	18:24	56.409	133.106	79	0	0	0	0	0	0	0	0
HS200709-ISEA14	ISEA	15-Mar-07	07:36	56.378	133.367	300	0	0	35	1	0	0	0	36
HS200709-ISEA15	ISEA	15-Mar-07	09:10	56.398	133.562	297	0	0	14	1	0	0	0	15
HS200709-ISEA16	ISEA	15-Mar-07	11:12	56.314	133.798	317	0	0	1	0	0	0	0	1
HS200709-ISEA17	ISEA	15-Mar-07	13:30	56.080	133.826	374	0	0	6	1	1	0	0	8
HS200709-ISEA18	ISEA	15-Mar-07	15:48	56.009	134.229	59	0	0	3	0	0	0	0	3
HS200709-ISEA19	ISEA	15-Mar-07	18:05	56.229	134.323	112	0	0	0	0	0	0	0	0
HS200709-ISEA20	ISEA	16-Mar-07	07:43	57.978	134.865	540	0	0	0	0	0	1	0	1
HS200709-ISEA21	ISEA	16-Mar-07	10:04	58.131	135.150	412	0	0	0	0	0	0	0	0
HS200709-ISEA22	ISEA	16-Mar-07	11:35	58.183	135.183	284	0	0	0	0	0	0	0	0
HS200709-ISEA23	ISEA	16-Mar-07	13:09	58.241	135.366	265	0	0	0	2	0	0	0	2
HS200709-ISEA24	ISEA	16-Mar-07	15:39	58.302	135.837	89	0	0	0	0	0	0	0	0
HS200709-ISEA25	ISEA	16-Mar-07	16:56	58.245	136.068	136	0	0	3	2	0	0	0	5
HS200709-ISEA26	ISEA	17-Mar-07	07:20	58.183	134.366	53	0	0	1	0	0	0	0	1
HS200709-ISEA27	ISEA	17-Mar-07	09:26	58.110	134.096	213	0	0	0	0	0	0	0	0
HS200709-ISEA28	ISEA	17-Mar-07	11:18	57.981	133.961	290	0	0	0	0	0	0	0	0
HS200709-ISEA29	ISEA	17-Mar-07	13:29	57.807	133.818	309	0	0	0	0	0	0	0	0
HS200709-ISEA30	ISEA	17-Mar-07	16:37	57.492	133.709	124	0	0	0	0	0	0	0	0

Table 2. Catch summaries for each size class of Chinook salmon for the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Station ID	Region	Date	Time PST	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	CK<100 mm	CK 100-199 mm	CK 200-299 mm	CK 300-349 mm	CK 350-399 mm	CK 400-499mm	CK >=500 mm	CK all
HS200709-ISEA31	ISEA	17-Mar-07	18:28	57.342	133.752	369	0	0	0	0	0	0	0	0
HS200709-ISEA32	ISEA	18-Mar-07	07:57	57.137	133.903	87	0	0	0	0	0	0	0	0
HS200709-ISEA33	ISEA	18-Mar-07	09:36	57.090	133.658	101	0	0	0	0	0	0	0	0
HS200709-ISEA34	ISEA	18-Mar-07	11:07	57.057	133.433	87	0	0	0	0	0	0	0	0
HS200709-ISEA35	ISEA	18-Mar-07	12:45	57.032	133.193	191	0	0	0	0	0	0	0	0
HS200709-ISEA36	ISEA	18-Mar-07	14:25	56.952	132.981	140	0	0	0	0	0	0	0	0
HS200709-ISEA37	ISEA	18-Mar-07	16:09	56.838	132.868	199	0	0	0	0	0	0	0	0
HS200709-ISEA38	ISEA	18-Mar-07	18:05	56.759	132.709	160	0	0	0	0	0	0	0	0
HS200709-ISEA39	ISEA	19-Mar-07	07:50	57.353	134.712	556	0	0	0	0	0	0	0	0
HS200709-ISEA40	ISEA	19-Mar-07	10:02	57.126	134.685	578	0	0	0	0	0	0	0	0
HS200709-ISEA41	ISEA	19-Mar-07	12:40	56.882	134.640	647	0	0	0	0	0	0	0	0
HS200709-ISEA42	ISEA	20-Mar-07	10:09	55.226	131.412	124	0	0	0	0	0	0	0	0
HS200709-ISEA43	ISEA	20-Mar-07	12:29	55.152	131.167	202	0	0	0	0	0	0	0	0
HS200709-ISEA44	ISEA	20-Mar-07	14:08	55.037	131.124	343	0	0	3	0	0	0	0	3
HS200709-ISEA45	ISEA	20-Mar-07	15:58	54.876	131.120	186	0	0	3	3	0	0	0	6
HS200709-DE05	DE	21-Mar-07	07:24	54.216	132.893	142	0	0	0	0	0	0	0	0
HS200709-DE04	DE	21-Mar-07	09:35	54.148	132.533	67	0	0	0	1	0	0	0	1
HS200709-DE03	DE	21-Mar-07	11:18	54.131	132.226	45	0	0	0	0	0	0	0	0
HS200709-DE02	DE	21-Mar-07	13:33	54.156	131.992	58	0	0	0	0	0	0	0	0
HS200709-DE01	DE	21-Mar-07	15:30	54.255	131.682	128	0	0	0	0	0	0	0	0
HS200709-H06	HS	22-Mar-07	07:38	52.472	130.467	173	0	0	0	0	0	0	0	0
HS200709-H05	HS	22-Mar-07	09:35	52.433	130.215	312	0	0	0	0	0	0	0	0
HS200709-H04	HS	22-Mar-07	11:44	52.372	129.945	197	0	0	0	0	0	0	0	0
HS200709-H03	HS	22-Mar-07	13:56	52.327	129.698	182	0	0	0	0	0	0	0	0
HS200709-H02	HS	22-Mar-07	16:19	52.268	129.423	169	0	0	0	0	0	0	0	0
HS200709-H01	HS	22-Mar-07	18:27	52.200	129.154	156	0	0	0	0	0	0	0	0
HS200709-IBC19	IBC	23-Mar-07	08:23	51.717	127.966	322	0	0	1	0	0	0	0	1
HS200709-IBC20	IBC	23-Mar-07	09:52	51.644	127.924	328	0	0	0	0	0	0	0	0
HS200709-IBC21	IBC	23-Mar-07	11:19	51.566	127.876	205	0	0	0	0	0	0	0	0

Table 2. Catch summaries for each size class of Chinook salmon for the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Station ID	Region	Date	Time PST	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	CK<100 mm	CK 100-199 mm	CK 200-299 mm	CK 300-349 mm	CK 350-399 mm	CK 400-499mm	CK >=500 mm	CK all
						TOTALS	0	97	357	31	1	8	5	499

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-DE04-124-001	CHINOOK	304	348	F	4.5			
HS200709-EP01-124-001	CHINOOK	307	346	M	0.14			
HS200709-EP01-124-002	CHINOOK	274	237	M	4.27			
HS200709-EP01-124-003	CHINOOK	278	245	M	0.84			
HS200709-EP01-124-004	CHINOOK	284	266	M	0.28			
HS200709-EP01-124-005	CHINOOK	292	352	M	1.25			
HS200709-EP01-124-006	CHINOOK	314	399	F	0.39	0.1	T633369	AD
HS200709-EP01-124-007	CHINOOK	212	112	F	0.4			
HS200709-EP02-124-001	CHINOOK	304	351	M	4.82			
HS200709-EP02-124-002	CHINOOK	316	384	M	0.12			
HS200709-EP02-124-003	CHINOOK	312	361	M	0.15			
HS200709-EP02-124-004	CHINOOK	237	167	M	1.72			
HS200709-EP02-124-005	CHINOOK	769	5292	F				AD
HS200709-EP02-124-006	CHINOOK	838	7560	F				
HS200709-EP03-124-001	CHINOOK	265	246	M	7.93			
HS200709-EP03-124-002	CHINOOK	247	190	M	2.76	0.1	T210683	
HS200709-EP03-124-003	CHINOOK	253	189	F	3.99			
HS200709-EP03-124-004	CHINOOK	287	305	F	7.19			
HS200709-EP03-124-005	CHINOOK	202	101	F	1.1			
HS200709-EP03-124-006	CHINOOK	267	244	F	6.36			
HS200709-EP03-124-007	CHINOOK	245	175	F	5.86			
HS200709-EP03-124-008	CHINOOK	308	335	M	9.94			
HS200709-EP03-124-009	CHINOOK	244	198	F	5.55			
HS200709-EP03-124-010	CHINOOK	292	311	M	13.22			AD
HS200709-EP03-124-011	CHINOOK	231	155	M	3.88			
HS200709-EP03-124-012	CHINOOK	252	204	M	5.64			AD
HS200709-EP04-124-001	CHINOOK	234	157	F	3.46			
HS200709-EP04-124-002	CHINOOK	204	100	M	0.09			
HS200709-EP04-124-003	CHINOOK	237	153	F	0.21			
HS200709-IBC13-124-001	CHINOOK	310	369	M	6.22			
HS200709-IBC19-124-001	CHINOOK	291	259	M	0.12			
HS200709-ISEA01-124-001	CHINOOK	294	328	F	2.49			
HS200709-ISEA03-124-001	CHINOOK	303	332	M	0.24			
HS200709-ISEA08-124-001	CHINOOK	341	511	M	2.56			
HS200709-ISEA10-124-001	CHINOOK	229	152	M	0.63			
HS200709-ISEA12-124-001	CHINOOK	286	305	F	4.31	1.1	T041264	AD
HS200709-ISEA12-124-002	CHINOOK	217	130	M	1.96			
HS200709-ISEA12-124-003	CHINOOK	216	132	F	2.31			
HS200709-ISEA14-124-001	CHINOOK	308	360	M	0.1			

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-ISEA14-124-002	CHINOOK	277	260	M	1.43			
HS200709-ISEA14-124-003	CHINOOK	248	183	F	0.27			
HS200709-ISEA14-124-004	CHINOOK	239	149	M	0.14			
HS200709-ISEA14-124-005	CHINOOK	260	187	M	1.62			
HS200709-ISEA14-124-006	CHINOOK	266	223	M	0.28			
HS200709-ISEA14-124-007	CHINOOK	272	238	M	3.09			
HS200709-ISEA14-124-008	CHINOOK	267	236	M	0.37			
HS200709-ISEA14-124-009	CHINOOK	246	168	M	1.53			
HS200709-ISEA14-124-010	CHINOOK	249	180	F	0.34			
HS200709-ISEA14-124-011	CHINOOK	255	202	M	0.08			
HS200709-ISEA14-124-012	CHINOOK	241	175	M	0.26			
HS200709-ISEA14-124-013	CHINOOK	237	163	M	0.3			
HS200709-ISEA14-124-014	CHINOOK	250	199	M	0.42			
HS200709-ISEA14-124-015	CHINOOK	285	290	M	1.41			
HS200709-ISEA14-124-016	CHINOOK	258	196	F	0.04			
HS200709-ISEA14-124-017	CHINOOK	236	153	F	0.68			
HS200709-ISEA14-124-018	CHINOOK	265	224	M	0.55			
HS200709-ISEA14-124-019	CHINOOK	249	169	M	0.11			
HS200709-ISEA14-124-020	CHINOOK	272	247	F	3.27			
HS200709-ISEA14-124-021	CHINOOK	273	261	F	2.43			
HS200709-ISEA14-124-022	CHINOOK	265	221	F	0.67			
HS200709-ISEA14-124-023	CHINOOK	272	238	F	0.6			
HS200709-ISEA14-124-024	CHINOOK	264	225	F	0.3			
HS200709-ISEA14-124-025	CHINOOK	246	175	F	0.05			
HS200709-ISEA14-124-026	CHINOOK	252	181	F	0.08			
HS200709-ISEA14-124-027	CHINOOK	296	327	M	0.34			
HS200709-ISEA14-124-028	CHINOOK	259	215	F	0.31			
HS200709-ISEA14-124-029	CHINOOK	285	276	M	2.95			
HS200709-ISEA14-124-030	CHINOOK	273	261	M	2.51			
HS200709-ISEA14-124-031	CHINOOK	278						
HS200709-ISEA14-124-032	CHINOOK	267						
HS200709-ISEA14-124-033	CHINOOK	261						
HS200709-ISEA14-124-034	CHINOOK	241						
HS200709-ISEA14-124-035	CHINOOK	262						
HS200709-ISEA14-124-036	CHINOOK	244						
HS200709-ISEA15-124-001	CHINOOK	277	254	F	0.92			
HS200709-ISEA15-124-002	CHINOOK	250	205	F	0.24			
HS200709-ISEA15-124-003	CHINOOK	266	226	F	0.05			
HS200709-ISEA15-124-004	CHINOOK	310	373	M	1.52			

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-ISEA15-124-005	CHINOOK	280	275	M	0.08			
HS200709-ISEA15-124-006	CHINOOK	265	223	F	0.19			
HS200709-ISEA15-124-007	CHINOOK	274	240	F	0.22			
HS200709-ISEA15-124-008	CHINOOK	257	196	M	0.36			
HS200709-ISEA15-124-009	CHINOOK	287	290	F	5.54			
HS200709-ISEA15-124-010	CHINOOK	256	207	F	1.06			
HS200709-ISEA15-124-011	CHINOOK	252	203	M	0.29			
HS200709-ISEA15-124-012	CHINOOK	268	236	M	3.79			
HS200709-ISEA15-124-013	CHINOOK	293	306	F	0.55			
HS200709-ISEA15-124-014	CHINOOK	260	217	M	1.23			
HS200709-ISEA15-124-015	CHINOOK	258	217	F	0.67			
HS200709-ISEA16-124-001	CHINOOK	243	184	M	1.12			
HS200709-ISEA17-124-001	CHINOOK	262	229	M	5.36			
HS200709-ISEA17-124-002	CHINOOK	238	173	F	0.28			
HS200709-ISEA17-124-003	CHINOOK	301	367	F	2.02			
HS200709-ISEA17-124-004	CHINOOK	241	181	F	3.73			
HS200709-ISEA17-124-005	CHINOOK	245	191	F	1.95			
HS200709-ISEA17-124-006	CHINOOK	258	223	F	1.14			
HS200709-ISEA17-124-007	CHINOOK	281	263	M	6.11			
HS200709-ISEA17-124-008	CHINOOK	376	636					
HS200709-ISEA18-124-001	CHINOOK	299	324	F	1.13			
HS200709-ISEA18-124-002	CHINOOK	262	235	F	6.11			
HS200709-ISEA18-124-003	CHINOOK	253	218	F	5.18			
HS200709-ISEA20-124-001	CHINOOK	485	1232	M				
HS200709-ISEA23-124-001	CHINOOK	308	394	F	2.86			
HS200709-ISEA23-124-002	CHINOOK	320	398	F	11.35	1.1	T041227	AD
HS200709-ISEA25-124-001	CHINOOK	265	222	M	2.47			
HS200709-ISEA25-124-002	CHINOOK	308	358	F	2.67			
HS200709-ISEA25-124-003	CHINOOK	282	273	F	4.27			
HS200709-ISEA25-124-004	CHINOOK	302	350	M	1.23			
HS200709-ISEA25-124-005	CHINOOK	279	285	M	3.78			
HS200709-ISEA26-124-001	CHINOOK	282	281	F	0.58			
HS200709-ISEA44-124-001	CHINOOK	287	301	M	1.85			
HS200709-ISEA44-124-002	CHINOOK	261	223	M	1.75			
HS200709-ISEA44-124-003	CHINOOK	279	277	M	1.5			
HS200709-ISEA45-124-001	CHINOOK	317	421	F	6.25			
HS200709-ISEA45-124-002	CHINOOK	267	223	F	1.88			
HS200709-ISEA45-124-003	CHINOOK	310	374	F	2.88			
HS200709-ISEA45-124-004	CHINOOK	276	254	M	1.3			

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-ISEA45-124-005	CHINOOK	306	367	F	1.45			
HS200709-ISEA45-124-006	CHINOOK	283	271	M	1.46			
HS200709-IVI01-124-001	CHINOOK	274	242	F	0.08			
HS200709-IVI01-124-002	CHINOOK	232	154	F	0.52			
HS200709-IVI02-124-001	CHINOOK	288	257	M	0.12			
HS200709-IVI03-124-001	CHINOOK	294	314	M	3.44	0.1	T633286	AD
HS200709-IVI03-124-002	CHINOOK	251	187	M	0.43			
HS200709-IVI03-124-003	CHINOOK	248	180	F	2.01			
HS200709-IVI03-124-004	CHINOOK	262	209	F	4.01	0.1	T633172	AD
HS200709-IVI03-124-005	CHINOOK	259	216	M	2.8			AD
HS200709-IVI03-124-006	CHINOOK	270	222	F	1.61			AD
HS200709-IVI03-124-007	CHINOOK	280	256	M	0.07	0.1	T633285	
HS200709-IVI03-124-008	CHINOOK	234	138	F	3.66			
HS200709-IVI03-124-009	CHINOOK	261	203	M	0.04			
HS200709-IVI03-124-010	CHINOOK	231	130	F	0.67			
HS200709-IVI04-124-001	CHINOOK	232	138	F	1.96			
HS200709-IVI11-124-001	CHINOOK	191	73	M	0.25			
HS200709-IVI11-124-002	CHINOOK	187	66	M	0.08			
HS200709-IVI11-124-003	CHINOOK	209	91	F	0.24			
HS200709-IVI11-124-004	CHINOOK	194	74	F	0.22			
HS200709-IVI11-124-005	CHINOOK	220	113	F	0.76			
HS200709-IVI12-124-001	CHINOOK	198	82	M	0.3			
HS200709-IVI13-124-001	CHINOOK	214	102	M	0.05			
HS200709-IVI13-124-002	CHINOOK	234	136	M	0.72			
HS200709-IVI13-124-003	CHINOOK	299	322	M	6.18			
HS200709-IVI13-124-004	CHINOOK	200	88	F	0.06			
HS200709-IVI13-124-005	CHINOOK	196	86	M	0.07			
HS200709-IVI13-124-006	CHINOOK	214	108	M	0.66			
HS200709-IVI14-124-001	CHINOOK	235	146	F	0.37			
HS200709-IVI14-124-002	CHINOOK	219	111	M	0.44			
HS200709-IVI14-124-003	CHINOOK	235	147	F	1.7			
HS200709-IVI14-124-004	CHINOOK	217	120	F	0.29			
HS200709-IVI15-124-001	CHINOOK	215	109	F	1.19			
HS200709-IVI15-124-002	CHINOOK	255	180	M	0.56			
HS200709-IVI16-124-001	CHINOOK	194	75	M	0.05			
HS200709-IVI16-124-002	CHINOOK	201	86	M	0.1			
HS200709-IVI16-124-003	CHINOOK	208	89	M	0.25			
HS200709-IVI16-124-004	CHINOOK	190	76	F	0.71			
HS200709-IVI16-124-005	CHINOOK	204	96	M	0.09			

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-IVI16-124-006	CHINOOK	209	98	M	0.1			
HS200709-IVI16-124-007	CHINOOK	202	95	M	0.63			
HS200709-IVI16-124-008	CHINOOK	206	99	M	0.28			
HS200709-IVI16-124-009	CHINOOK	190	75	M	0.11			
HS200709-IVI16-124-010	CHINOOK	200	86	M	0.06			
HS200709-IVI16-124-011	CHINOOK	200	87	M	0.07			
HS200709-IVI16-124-012	CHINOOK	193	76	M	0.02			
HS200709-IVI16-124-013	CHINOOK	202	91	F	0.18			
HS200709-IVI16-124-014	CHINOOK	181	65	F	0.28			
HS200709-IVI16-124-015	CHINOOK	217	115	M	0.54			
HS200709-IVI16-124-016	CHINOOK	196	82	F	0.15			
HS200709-IVI16-124-017	CHINOOK	238	144	M	0.08			
HS200709-IVI16-124-018	CHINOOK	202	92	M	0.29			
HS200709-IVI16-124-019	CHINOOK	201	91	F	0.28			
HS200709-IVI16-124-020	CHINOOK	211	96	F	0.45			
HS200709-IVI16-124-021	CHINOOK	265	212	F	1.51			
HS200709-IVI16-124-022	CHINOOK	200	83	M	0.07			
HS200709-IVI16-124-023	CHINOOK	195	84	M	1.1			
HS200709-IVI16-124-024	CHINOOK	180	64	M	0.18			
HS200709-IVI16-124-025	CHINOOK	222	120	F	1.23			
HS200709-IVI16-124-026	CHINOOK	202	86	F	1.46			
HS200709-IVI16-124-027	CHINOOK	213	112	M	0.72			
HS200709-IVI16-124-028	CHINOOK	217	113	F	0.18			
HS200709-IVI16-124-029	CHINOOK	199	87	F	0.25			
HS200709-IVI16-124-030	CHINOOK	216	110	M	0.66			
HS200709-IVI16-124-031	CHINOOK	208						
HS200709-IVI16-124-032	CHINOOK	226						
HS200709-IVI16-124-033	CHINOOK	206						
HS200709-IVI16-124-034	CHINOOK	200						
HS200709-IVI16-124-035	CHINOOK	187						
HS200709-IVI16-124-036	CHINOOK	189						
HS200709-IVI16-124-037	CHINOOK	207						
HS200709-IVI16-124-038	CHINOOK	205						
HS200709-IVI16-124-039	CHINOOK	215						
HS200709-IVI16-124-040	CHINOOK	214						
HS200709-IVI16-124-041	CHINOOK	205						
HS200709-IVI16-124-042	CHINOOK	206						
HS200709-IVI16-124-043	CHINOOK	196						
HS200709-IVI16-124-044	CHINOOK	209						

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-IVI16-124-045	CHINOOK	190						
HS200709-IVI16-124-046	CHINOOK	193						
HS200709-IVI16-124-047	CHINOOK	222						
HS200709-IVI16-124-048	CHINOOK	193						
HS200709-IVI17-124-001	CHINOOK	294	291	F	0.61			
HS200709-IVI17-124-002	CHINOOK	188	67	F	1.77			
HS200709-IVI18-124-001	CHINOOK	259	186	M	0.14			
HS200709-IVI18-124-002	CHINOOK	238	145	F	1.15			
HS200709-IVI18-124-003	CHINOOK	181	61	M	1.57			
HS200709-IVI18-124-004	CHINOOK	216	112	M	0.74			
HS200709-IVI18-124-005	CHINOOK	243	152	F	0.07			
HS200709-IVI18-124-006	CHINOOK	273	219	M	0.18			
HS200709-IVI18-124-007	CHINOOK	285	234	M	0.29			
HS200709-IVI19-124-001	CHINOOK	188	72	M	1.03			
HS200709-IVI19-124-002	CHINOOK	220	118	M	2.76			
HS200709-IVI21-124-001	CHINOOK	187	74	M	1.64			
HS200709-IVI21-124-002	CHINOOK	208	103	M	2.51			
HS200709-IVI22-124-001	CHINOOK	204	92	F	0.49			
HS200709-IVI22-124-002	CHINOOK	216	108	M	0.08			
HS200709-IVI22-124-003	CHINOOK	262	204	M	0.95			
HS200709-IVI22-124-004	CHINOOK	211	100	M	0.13			
HS200709-IVI22-124-005	CHINOOK	224	125	F	0.21			
HS200709-IVI22-124-006	CHINOOK	217	107	M	0.73			
HS200709-IVI22-124-007	CHINOOK	264	201	F	0.38			
HS200709-IVI22-124-008	CHINOOK	222	116	M	0.72			
HS200709-IVI22-124-009	CHINOOK	233	143	M	1.55			
HS200709-IVI22-124-010	CHINOOK	240	162	F	0.3			
HS200709-IVI22-124-011	CHINOOK	204	84	F	0.04			
HS200709-IVI22-124-012	CHINOOK	184	66	F	0.13			
HS200709-IVI22-124-013	CHINOOK	231	138	F	0.08			AD
HS200709-IVI22-124-014	CHINOOK	203	94	M	0.15			
HS200709-IVI22-124-015	CHINOOK	253	185	M	0.86			
HS200709-IVI22-124-016	CHINOOK	220	113	M	0.3			
HS200709-IVI22-124-017	CHINOOK	253	187	M	3.98			
HS200709-IVI22-124-018	CHINOOK	203	89	F	1.39			
HS200709-IVI22-124-019	CHINOOK	209	104	M	0.23			
HS200709-IVI22-124-020	CHINOOK	232	133	M	0.3			
HS200709-IVI22-124-021	CHINOOK	238	163	M	0.46			
HS200709-IVI22-124-022	CHINOOK	221	114	M	0.32			

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-IVI22-124-023	CHINOOK	186	72	F	0.22			
HS200709-IVI22-124-024	CHINOOK	222	128	M	0.74			
HS200709-IVI22-124-025	CHINOOK	218	107	M	0.16			
HS200709-IVI22-124-026	CHINOOK	218	117	M	0.4			
HS200709-IVI22-124-027	CHINOOK	234	145	F	0.07			AD
HS200709-IVI22-124-028	CHINOOK	203	93	M	0.12			
HS200709-IVI22-124-029	CHINOOK	302	301	F	0.73			
HS200709-IVI22-124-030	CHINOOK	306	335	F	7.91			
HS200709-IVI22-124-031	CHINOOK	465	1121			1.1	T632876	AD
HS200709-IVI22-124-032	CHINOOK	204						
HS200709-IVI22-124-033	CHINOOK	185						
HS200709-IVI22-124-034	CHINOOK	227						
HS200709-IVI22-124-035	CHINOOK	171						
HS200709-IVI22-124-036	CHINOOK	208						
HS200709-IVI22-124-037	CHINOOK	202						
HS200709-IVI22-124-038	CHINOOK	232						
HS200709-IVI22-124-039	CHINOOK	197						
HS200709-IVI22-124-040	CHINOOK	200						
HS200709-IVI22-124-041	CHINOOK	202						
HS200709-IVI22-124-042	CHINOOK	175						
HS200709-IVI22-124-043	CHINOOK	177						
HS200709-IVI22-124-044	CHINOOK	201						
HS200709-IVI22-124-045	CHINOOK	211						
HS200709-IVI22-124-046	CHINOOK	213						
HS200709-IVI22-124-047	CHINOOK	283						
HS200709-IVI22-124-048	CHINOOK	217						
HS200709-IVI22-124-049	CHINOOK	203						
HS200709-IVI22-124-050	CHINOOK	208						
HS200709-IVI22-124-051	CHINOOK	205						
HS200709-IVI22-124-052	CHINOOK	216						
HS200709-IVI22-124-053	CHINOOK	218						
HS200709-IVI22-124-054	CHINOOK	190						
HS200709-IVI22-124-055	CHINOOK	215						
HS200709-IVI22-124-056	CHINOOK	223						
HS200709-IVI22-124-057	CHINOOK	230						
HS200709-IVI22-124-058	CHINOOK	204						
HS200709-IVI22-124-059	CHINOOK	193						
HS200709-IVI22-124-060	CHINOOK	190						
HS200709-IVI22-124-061	CHINOOK	193						

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-IVI22-124-062	CHINOOK	240						AD
HS200709-IVI22-124-063	CHINOOK	196						
HS200709-IVI22-124-064	CHINOOK	178						
HS200709-IVI22-124-065	CHINOOK	182						
HS200709-IVI22-124-066	CHINOOK	202						
HS200709-IVI22-124-067	CHINOOK	212						
HS200709-IVI22-124-068	CHINOOK	210						
HS200709-IVI22-124-069	CHINOOK	196						
HS200709-IVI22-124-070	CHINOOK	210						
HS200709-IVI22-124-071	CHINOOK	200						
HS200709-IVI22-124-072	CHINOOK	202						
HS200709-IVI22-124-073	CHINOOK	182						
HS200709-IVI22-124-074	CHINOOK	214						
HS200709-IVI22-124-075	CHINOOK	202						
HS200709-IVI22-124-076	CHINOOK	256						
HS200709-IVI22-124-077	CHINOOK	189						
HS200709-IVI22-124-078	CHINOOK	210						
HS200709-IVI22-124-079	CHINOOK	199						
HS200709-IVI22-124-080	CHINOOK	187						
HS200709-IVI22-124-081	CHINOOK	196						
HS200709-IVI22-124-082	CHINOOK	220						
HS200709-IVI22-124-083	CHINOOK	187						
HS200709-IVI22-124-084	CHINOOK	198						
HS200709-IVI22-124-085	CHINOOK	210						
HS200709-IVI22-124-086	CHINOOK	198						
HS200709-IVI22-124-087	CHINOOK	200						
HS200709-IVI22-124-088	CHINOOK	204						
HS200709-IVI22-124-089	CHINOOK	202						
HS200709-IVI22-124-090	CHINOOK	207						
HS200709-IVI22-124-091	CHINOOK	200						
HS200709-IVI22-124-092	CHINOOK	195						
HS200709-IVI22-124-093	CHINOOK	178						
HS200709-IVI22-124-094	CHINOOK	209						
HS200709-IVI22-124-095	CHINOOK	205						
HS200709-IVI22-124-096	CHINOOK	190						
HS200709-IVI22-124-097	CHINOOK	192						
HS200709-IVI22-124-098	CHINOOK	204						
HS200709-IVI22-124-099	CHINOOK	205						
HS200709-IVI22-124-100	CHINOOK	203						

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-IVI22-124-101	CHINOOK	205						
HS200709-IVI22-124-102	CHINOOK	205						
HS200709-IVI22-124-103	CHINOOK	208						
HS200709-IVI22-124-104	CHINOOK	222						
HS200709-IVI23-124-001	CHINOOK	295	274	F	0.35			
HS200709-IVI23-124-002	CHINOOK	218	115	M	0.64			
HS200709-IVI23-124-003	CHINOOK	199	93	F	0.1			
HS200709-IVI23-124-004	CHINOOK	191	79	M	0.74			
HS200709-IVI23-124-005	CHINOOK	200	86	F	0.15			
HS200709-IVI23-124-006	CHINOOK	209	104	M	0.48			
HS200709-IVI23-124-007	CHINOOK	200	88	M	0.8			
HS200709-IVI23-124-008	CHINOOK	201	85	M	0.23			
HS200709-IVI23-124-009	CHINOOK	195	76	M	0.14			
HS200709-IVI23-124-010	CHINOOK	196	80	M	0.43			
HS200709-IVI23-124-011	CHINOOK	205	91	F	0.02			
HS200709-IVI23-124-012	CHINOOK	206	91	F	0.21			
HS200709-IVI23-124-013	CHINOOK	189	71	F	0.38			
HS200709-IVI23-124-014	CHINOOK	198	76	F	0.31			
HS200709-IVI23-124-015	CHINOOK	204	91	F	0.5			
HS200709-IVI23-124-016	CHINOOK	222	124	F	0.8			
HS200709-IVI23-124-017	CHINOOK	200	84	F	0.16			
HS200709-IVI23-124-018	CHINOOK	194	72	F	0.71			
HS200709-IVI23-124-019	CHINOOK	202	88	F	0.31			
HS200709-IVI23-124-020	CHINOOK	203	92	M	0.53			
HS200709-IVI23-124-021	CHINOOK	192	66	M	0.15			
HS200709-IVI23-124-022	CHINOOK	204	96	F	0.83			
HS200709-IVI23-124-023	CHINOOK	193	79	F	0.07			
HS200709-IVI23-124-024	CHINOOK	180	63	F	0.37			
HS200709-IVI23-124-025	CHINOOK	205	91	F	0.14			
HS200709-IVI24-124-001	CHINOOK	195	79	M	0.88			
HS200709-IVI24-124-002	CHINOOK	211	103	M	1.7			
HS200709-IVI24-124-003	CHINOOK	210	115	M	5.7			AD
HS200709-IVI24-124-004	CHINOOK	204	94	M	1.17			
HS200709-IVI24-124-005	CHINOOK	184	65	F	0.75			
HS200709-IVI24-124-006	CHINOOK	196	85	M	0.53			
HS200709-IVI24-124-007	CHINOOK	200	95	M	0.99			
HS200709-IVI25-124-001	CHINOOK	189	75	M	0.27			
HS200709-IVI25-124-002	CHINOOK	197	82	F	0.19			
HS200709-IVI25-124-003	CHINOOK	177	59	M	0.32			

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-IVI25-124-004	CHINOOK	154	37	F	0.1			
HS200709-IVI25-124-005	CHINOOK	193	81	F	1.37			
HS200709-IVI25-124-006	CHINOOK	136	26	F	0.11			
HS200709-IVI25-124-007	CHINOOK	204	99	F	0.27			
HS200709-IVI25-124-008	CHINOOK	215	113	M	0.22			
HS200709-IVI25-124-009	CHINOOK	168	51	F	0.24			
HS200709-IVI25-124-010	CHINOOK	193	80	M	0.2			
HS200709-IVI25-124-011	CHINOOK	196	82	M	0.1			
HS200709-IVI25-124-012	CHINOOK	194	79	F	0.23			
HS200709-IVI25-124-013	CHINOOK	209	95	F	2.94			
HS200709-IVI25-124-014	CHINOOK	225	135	F	1.56			
HS200709-IVI25-124-015	CHINOOK	199	87	M	0.78			
HS200709-IVI25-124-016	CHINOOK	202	87	F	0.12			
HS200709-IVI25-124-017	CHINOOK	159	44	M	0.17			
HS200709-IVI25-124-018	CHINOOK	168	51	F	0.62			
HS200709-IVI25-124-019	CHINOOK	183	64	M	0.32			
HS200709-IVI25-124-020	CHINOOK	161	44	F	0.2			
HS200709-IVI25-124-021	CHINOOK	215	118	M	0.62			AD
HS200709-IVI25-124-022	CHINOOK	158	49	M	3.03			
HS200709-IVI25-124-023	CHINOOK	194	82	M	0.24			
HS200709-IVI25-124-024	CHINOOK	161	45	F	0.23			
HS200709-IVI25-124-025	CHINOOK	170	48	F	0.33			
HS200709-IVI25-124-026	CHINOOK	182	64	F	1.05			
HS200709-IVI25-124-027	CHINOOK	168	48	F	0.09			
HS200709-IVI26-124-001	CHINOOK	192	78	M	1.88			
HS200709-IVI26-124-002	CHINOOK	189	80	M	3.14			
HS200709-IVI26-124-003	CHINOOK	259	202	F	4.6			
HS200709-IVI26-124-004	CHINOOK	250	210	F	5.98			AD
HS200709-IVI26-124-005	CHINOOK	290	331	M	12.19			
HS200709-IVI26-124-006	CHINOOK	205	91	M	2.38			
HS200709-IVI26-124-007	CHINOOK	199	91	M	1.56			AD
HS200709-IVI26-124-008	CHINOOK	212	105	F	1.05			
HS200709-IVI26-124-009	CHINOOK	210	110	F	1.14			
HS200709-IVI26-124-010	CHINOOK	218	124	F	0.75			
HS200709-IVI26-124-011	CHINOOK	207	109	M	1.3			
HS200709-IVI26-124-012	CHINOOK	261	217	F	5.15			
HS200709-IVI26-124-013	CHINOOK	224	136	F	1.89			
HS200709-IVI26-124-014	CHINOOK	239	164	M	6.59			
HS200709-IVI26-124-015	CHINOOK	235	158	F	2.84			AD

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-IVI26-124-016	CHINOOK	255	194	M	9.78			
HS200709-IVI26-124-017	CHINOOK	225	121	M	1.62			
HS200709-IVI26-124-018	CHINOOK	193	86	F	0.85			
HS200709-IVI26-124-019	CHINOOK	220	118	F	2.54			
HS200709-IVI26-124-020	CHINOOK	212	107	F	1.35			
HS200709-IVI26-124-021	CHINOOK	200	99	M	6.17			
HS200709-IVI26-124-022	CHINOOK	223	132	M	3.06			
HS200709-IVI26-124-023	CHINOOK	221	125	F	2.76			
HS200709-IVI26-124-024	CHINOOK	220	126	M	5.27			
HS200709-IVI26-124-025	CHINOOK	202	97	M	3.65			
HS200709-IVI26-124-026	CHINOOK	218	116	M	1.21			
HS200709-IVI26-124-027	CHINOOK	209	112	M	3.18			
HS200709-IVI26-124-028	CHINOOK	212	115	F	2.85			
HS200709-IVI26-124-029	CHINOOK	224	142	F	7.49			
HS200709-IVI26-124-030	CHINOOK	217	128	M	4.76			
HS200709-IVI26-124-031	CHINOOK	188						
HS200709-IVI26-124-032	CHINOOK	212						
HS200709-IVI26-124-033	CHINOOK	203						
HS200709-IVI26-124-034	CHINOOK	199						
HS200709-JF02-124-001	CHINOOK	244	165	F	0.4	0.1	T633365	
HS200709-JF02-124-002	CHINOOK	284	267	F	1.8			AD
HS200709-JF02-124-003	CHINOOK	260	194	F	0.21			AD
HS200709-JF02-124-004	CHINOOK	168	58	F	0.32			
HS200709-JF02-124-005	CHINOOK	467	1037					
HS200709-JF02-124-006	CHINOOK	477	1166					
HS200709-JF03-124-001	CHINOOK	271	240	M	0.42			AD
HS200709-JF03-124-002	CHINOOK	267	197	F	1.3			
HS200709-JF03-124-003	CHINOOK	245	167	M	0.38			AD
HS200709-JF03-124-004	CHINOOK	270	216	F	2.34			AD
HS200709-JF03-124-005	CHINOOK	282	258	M	0.58			
HS200709-JF03-124-006	CHINOOK	247	173	F	0.55			AD
HS200709-JF03-124-007	CHINOOK	219	110	M	0.18			
HS200709-JF03-124-008	CHINOOK	177	60	M	0.11			
HS200709-JF03-124-009	CHINOOK	255	180	F	0.92			
HS200709-JF03-124-010	CHINOOK	300	288	F	0.71			
HS200709-JF03-124-011	CHINOOK	235	143	M	0.35			AD
HS200709-JF03-124-012	CHINOOK	342	467	F	0.98			AD
HS200709-JF03-124-013	CHINOOK	290	269	M	0.45			AD
HS200709-JF03-124-014	CHINOOK	263	202	M	0.41			

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-JF03-124-015	CHINOOK	531	1613	F				AD
HS200709-JF03-124-016	CHINOOK	290	274	M	0.18			AD
HS200709-JF03-124-017	CHINOOK	260	201	F	0.1			AD
HS200709-JF04-124-001	CHINOOK	272	218	M	0.13			AD
HS200709-JF04-124-002	CHINOOK	285	269	F	0.59	0.1	T633285	AD
HS200709-JF04-124-003	CHINOOK	242	159	M	0.09			
HS200709-JF04-124-004	CHINOOK	281	252	M	0.43			
HS200709-JF04-124-005	CHINOOK	220	120	F	0.73			AD
HS200709-JF04-124-006	CHINOOK	288	261	M	0.7			
HS200709-JF04-124-007	CHINOOK	265	204	F	0.14			
HS200709-JF04-124-008	CHINOOK	206	103	M	2.26			
HS200709-JF04-124-009	CHINOOK	244	178	M	0.38			
HS200709-JF04-124-010	CHINOOK	236	161	F	0.3			AD
HS200709-JF04-124-011	CHINOOK	439	957	M				
HS200709-JF04-124-012	CHINOOK	451	1065	F				AD
HS200709-JF05-124-001	CHINOOK	330	384	M	0.06			
HS200709-JF05-124-002	CHINOOK	310	342	F	10.86			
HS200709-JF05-124-003	CHINOOK	215	121	M	1.35			
HS200709-JF05-124-004	CHINOOK	255	196	M	0.75			AD
HS200709-JF05-124-005	CHINOOK	292	266	F	0.24			AD
HS200709-JF05-124-006	CHINOOK	284	290	M	0.58			
HS200709-JF05-124-007	CHINOOK	312	370	M	1.03			
HS200709-JF05-124-008	CHINOOK	248	177	F	0.23			AD
HS200709-JF05-124-009	CHINOOK	253	186	M	0.06			AD
HS200709-JF05-124-010	CHINOOK	249	179	M	0.54	0.1	T633382	AD
HS200709-JF05-124-011	CHINOOK	330	399	M	2.6			AD
HS200709-JF05-124-012	CHINOOK	280	276	F	2.27			AD
HS200709-JF05-124-013	CHINOOK	312	381	F	2.03			
HS200709-JF05-124-014	CHINOOK	275	249	M	3.52			
HS200709-JF05-124-015	CHINOOK	219	119	M	0.21			AD
HS200709-JF05-124-016	CHINOOK	262	216	F	5.02	0.1	T633172	AD
HS200709-JF05-124-017	CHINOOK	294	319	F	2.32			AD
HS200709-JF05-124-018	CHINOOK	269	240	F	4.69			
HS200709-JF05-124-019	CHINOOK	275	231	M	0.3			
HS200709-JF05-124-020	CHINOOK	230	150	F	0.37			
HS200709-JF05-124-021	CHINOOK	343	463	M	1.64			AD
HS200709-JF05-124-022	CHINOOK	314	387	F	2.17			
HS200709-JF05-124-023	CHINOOK	277	235	F	1.06	0.1	T210682	
HS200709-JF05-124-024	CHINOOK	283	263	M	10.66			AD

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-JF05-124-025	CHINOOK	241	168	F	0.45			AD
HS200709-JF05-124-026	CHINOOK	478	1365	M			Y	AD
HS200709-VI01-124-001	CHINOOK	228	146	F	1.11			AD
HS200709-VI01-124-002	CHINOOK	206	107	M	1.63			
HS200709-VI01-124-003	CHINOOK	224	133	M	0.89			
HS200709-VI01-124-004	CHINOOK	214	113	M	0.53			
HS200709-VI01-124-005	CHINOOK	233	163	F	3.87			AD
HS200709-VI01-124-006	CHINOOK	261	203	F	1.25			AD
HS200709-VI01-124-007	CHINOOK	267	223	M	0.31	0.1	T210571	AD
HS200709-VI01-124-008	CHINOOK	290	305	F	0.7	0.1	T633369	AD
HS200709-VI01-124-009	CHINOOK	290	282	F	2.37			AD
HS200709-VI01-124-010	CHINOOK	225	132	M	1.2			
HS200709-VI01-124-011	CHINOOK	191	82	M	0.52			
HS200709-VI01-124-012	CHINOOK	205	91	M	0.32			
HS200709-VI01-124-013	CHINOOK	350	512	F	2.28			AD
HS200709-VI01-124-014	CHINOOK	696	4186	F				
HS200709-VI01-124-015	CHINOOK	755	4862	M				
HS200709-VI01-124-016	CHINOOK	484	1366	M				AD
HS200709-VI02-124-001	CHINOOK	192	88	M	2.5			
HS200709-VI02-124-002	CHINOOK	192	83	M	1.62			
HS200709-VI02-124-003	CHINOOK	218	140	F	5.32			
HS200709-VI02-124-004	CHINOOK	231	153	F	7.99			
HS200709-VI02-124-005	CHINOOK	219	127	F	5.6			
HS200709-VI02-124-006	CHINOOK	231	150	F	5.7			
HS200709-VI02-124-007	CHINOOK	201	96	M	3.93			
HS200709-VI02-124-008	CHINOOK	194	86	F	1.62			
HS200709-VI02-124-009	CHINOOK	204	104	M	1.92			
HS200709-VI03-124-001	CHINOOK	246	180	M	2.93			
HS200709-VI04-124-001	CHINOOK	285	271	F	4.51			
HS200709-VI06-124-001	CHINOOK	265	227	M	1.65			
HS200709-VI06-124-002	CHINOOK	256	184	F	2.78			
HS200709-VI06-124-003	CHINOOK	262	218	M	3.78			
HS200709-JF01-112-001	CHUM	236	131					
HS200709-JF02-112-001	CHUM	240	131					
HS200709-IVI02-115-001	COHO	371	525	F	4.8			
HS200709-IVI17-115-001	COHO	318	312	F	0.99			
HS200709-JF01-115-001	COHO	303	297	F	2.6			AD
HS200709-JF01-115-002	COHO	333	369	F	1.32			
HS200709-JF01-115-003	COHO	328	391	M	0.53			AD

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-JF01-115-004	COHO	372	582	F	0.78			AD
HS200709-JF01-115-005	COHO	318	331	F	1.53	1.1	T633098	AD
HS200709-JF02-115-001	COHO	314	296	F	2.49			
HS200709-JF02-115-002	COHO	289	222	F	0.83			AD
HS200709-JF02-115-003	COHO	310	312	F	1.42			AD
HS200709-JF02-115-004	COHO	314	338	F	1.68			
HS200709-JF02-115-005	COHO	312	312	M	0.71			
HS200709-JF02-115-006	COHO	400	685	M	1.68			
HS200709-JF02-115-007	COHO	346	406	F	0.54			AD
HS200709-JF02-115-008	COHO	262	186	M	0.95			AD
HS200709-JF02-115-009	COHO	367	550	F	0.65			
HS200709-JF02-115-010	COHO	332	381	F	0.34			AD
HS200709-JF02-115-011	COHO	294	258	M	0.3			
HS200709-JF02-115-012	COHO	320	342	M	4.6			AD
HS200709-JF02-115-013	COHO	340	431	M	2.87			AD
HS200709-JF02-115-014	COHO	270	195	M	0.55			
HS200709-JF02-115-015	COHO	294	278	F	1.25			AD
HS200709-JF02-115-016	COHO	319	355	F	0.67			AD
HS200709-JF02-115-017	COHO	400	669	F	0.52			
HS200709-JF02-115-018	COHO	315	329	M	1.38			AD
HS200709-JF02-115-019	COHO	266	188	M	1.41			
HS200709-JF02-115-020	COHO	315	334	F	0.36			
HS200709-JF02-115-021	COHO	333	404	F	0.29			
HS200709-JF02-115-022	COHO	366	499	F	0.16			
HS200709-JF02-115-023	COHO	319	341	M	0.17			
HS200709-JF02-115-024	COHO	272	214	F	0.73			
HS200709-JF02-115-025	COHO	316	327	M	0.99			
HS200709-JF02-115-026	COHO	316	303	F	0.63			
HS200709-JF02-115-027	COHO	319	314	M	0.8			
HS200709-JF02-115-028	COHO	357	514	F	0.32			
HS200709-JF02-115-029	COHO	310	324	F	1.06			AD
HS200709-JF02-115-030	COHO	320	317	M	0.75			
HS200709-JF02-115-031	COHO	312						
HS200709-JF02-115-032	COHO	418						AD
HS200709-JF02-115-033	COHO	309						
HS200709-JF02-115-034	COHO	319						
HS200709-JF02-115-035	COHO	355						
HS200709-JF02-115-036	COHO	332						AD
HS200709-JF02-115-037	COHO	295						

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-JF02-115-038	COHO	331						
HS200709-JF02-115-039	COHO	326						AD
HS200709-JF02-115-040	COHO	336						AD
HS200709-JF02-115-041	COHO	285						
HS200709-JF02-115-042	COHO	315						
HS200709-JF02-115-043	COHO	293						
HS200709-JF02-115-044	COHO	333						
HS200709-JF02-115-045	COHO	356						AD
HS200709-JF02-115-046	COHO	322						
HS200709-JF02-115-047	COHO	354						
HS200709-JF02-115-048	COHO	317						
HS200709-JF02-115-049	COHO	315						
HS200709-JF02-115-050	COHO	325						
HS200709-JF02-115-051	COHO	347						AD
HS200709-JF02-115-052	COHO	302						
HS200709-JF02-115-053	COHO	343						AD
HS200709-JF02-115-054	COHO	303						
HS200709-JF02-115-055	COHO	337						
HS200709-JF02-115-056	COHO	317						
HS200709-JF02-115-057	COHO	293						
HS200709-JF02-115-058	COHO	291						
HS200709-JF02-115-059	COHO	285						AD
HS200709-JF02-115-060	COHO	355						
HS200709-JF02-115-061	COHO	303						AD
HS200709-JF02-115-062	COHO	329						AD
HS200709-JF02-115-063	COHO	302						AD
HS200709-JF02-115-064	COHO	304						
HS200709-JF02-115-065	COHO	321						
HS200709-JF02-115-066	COHO	336						AD
HS200709-JF02-115-067	COHO	318						
HS200709-JF03-115-001	COHO	394	694	F	0.96			
HS200709-JF03-115-002	COHO	391	618	M	0.52			AD
HS200709-JF03-115-003	COHO	355	460	F	0.8			
HS200709-JF03-115-004	COHO	381	615	F	0.28			
HS200709-JF03-115-005	COHO	328	382	F	0.14			
HS200709-JF03-115-006	COHO	335	371	M	0.06			AD
HS200709-JF03-115-007	COHO	380	617	F	0.09			
HS200709-JF03-115-008	COHO	363	528	F	0.15			
HS200709-JF03-115-009	COHO	360	512	F	0.2			

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-JF03-115-010	COHO	397	697	M	0.12			
HS200709-JF03-115-011	COHO	395	710	F	0.88			
HS200709-JF03-115-012	COHO	470	1063	F	0.22	1.1	T632288	AD
HS200709-JF03-115-013	COHO	399	681	F	0.08			
HS200709-JF03-115-014	COHO	297	277	M	0.36			
HS200709-JF03-115-015	COHO	331	390	F	0.19			
HS200709-JF03-115-016	COHO	360	494	M	0.86			AD
HS200709-JF03-115-017	COHO	321	337	F	0.39			
HS200709-JF03-115-018	COHO	281	226	F	0.17			
HS200709-JF03-115-019	COHO	343	425	M	0.13			
HS200709-JF03-115-020	COHO	361	516	M	0.24			
HS200709-JF03-115-021	COHO	357	488	M	0.09			
HS200709-JF03-115-022	COHO	353	419	F	0.3			
HS200709-JF03-115-024	COHO	330	362	F	0.12			
HS200709-JF03-115-025	COHO	322	321	M	0.51			AD
HS200709-JF03-115-026	COHO	345	479	F	1.39			AD
HS200709-JF03-115-027	COHO	362	518	M	2.2			
HS200709-JF03-115-028	COHO	383	652	F	1.77			AD
HS200709-JF03-115-030	COHO	361	537	F	0.4			
HS200709-JF03-115-031	COHO	379						
HS200709-JF03-115-032	COHO	360						
HS200709-JF03-115-033	COHO	397						AD
HS200709-JF03-115-034	COHO	350						AD
HS200709-JF03-115-035	COHO	364						
HS200709-JF03-115-036	COHO	340						
HS200709-JF03-115-037	COHO	341						
HS200709-JF03-115-038	COHO	396						
HS200709-JF03-115-039	COHO	380						
HS200709-JF03-115-040	COHO	380						AD
HS200709-JF03-115-041	COHO	348						AD
HS200709-JF03-115-042	COHO	333						
HS200709-JF03-115-043	COHO	317						
HS200709-JF03-115-044	COHO	341						
HS200709-JF03-115-045	COHO	330						AD
HS200709-JF03-115-046	COHO	341						
HS200709-JF03-115-047	COHO	326						
HS200709-JF03-115-048	COHO	341						AD
HS200709-JF03-115-049	COHO	302						
HS200709-JF03-115-050	COHO	322						

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-JF03-115-051	COHO	390						AD
HS200709-JF03-115-052	COHO	352						AD
HS200709-JF03-115-053	COHO	378						AD
HS200709-JF03-115-054	COHO	328				1.1	T633068	AD
HS200709-JF03-115-055	COHO	380						
HS200709-JF03-115-056	COHO	324						
HS200709-JF03-115-057	COHO	322						AD
HS200709-JF03-115-058	COHO	325						
HS200709-JF03-115-059	COHO	343						AD
HS200709-JF03-115-060	COHO	313						
HS200709-JF03-115-061	COHO	372				1.1	T633268	AD
HS200709-JF03-115-062	COHO	400						AD
HS200709-JF03-115-063	COHO	329						AD
HS200709-JF03-115-064	COHO	354						
HS200709-JF03-115-065	COHO	411						AD
HS200709-JF03-115-066	COHO	385						AD
HS200709-JF03-115-067	COHO	366						
HS200709-JF03-115-068	COHO	355						
HS200709-JF03-115-069	COHO	332						
HS200709-JF03-115-070	COHO	347						AD
HS200709-JF03-115-071	COHO	292						
HS200709-JF03-115-072	COHO	327						AD
HS200709-JF03-115-073	COHO	308						AD
HS200709-JF03-115-074	COHO	403						
HS200709-JF03-115-075	COHO	310						
HS200709-JF03-115-076	COHO	410						AD
HS200709-JF03-115-077	COHO	349						
HS200709-JF03-115-078	COHO	307						AD
HS200709-JF03-115-079	COHO	432						
HS200709-JF03-115-080	COHO	280						
HS200709-JF03-115-081	COHO	327						
HS200709-JF03-115-082	COHO	366						AD
HS200709-JF03-115-083	COHO	355						
HS200709-JF03-115-084	COHO	362						
HS200709-JF03-115-085	COHO	370						
HS200709-JF03-115-086	COHO	291						AD
HS200709-JF03-115-087	COHO	348						AD
HS200709-JF03-115-088	COHO	300						
HS200709-JF03-115-089	COHO	392						AD

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-JF03-115-090	COHO	370						AD
HS200709-JF03-115-091	COHO	380						
HS200709-JF03-115-092	COHO	362						
HS200709-JF03-115-093	COHO	392						AD
HS200709-JF03-115-094	COHO	331						
HS200709-JF03-115-095	COHO	292						
HS200709-JF03-115-096	COHO	355						
HS200709-JF03-115-097	COHO	323						
HS200709-JF03-115-098	COHO	330						
HS200709-JF03-115-099	COHO	309						AD
HS200709-JF03-115-100	COHO	352						
HS200709-JF03-115-101	COHO	356						AD
HS200709-JF03-115-102	COHO	262						AD
HS200709-JF03-115-103	COHO	302						
HS200709-JF03-115-104	COHO	283						
HS200709-JF03-115-105	COHO	318						
HS200709-JF03-115-106	COHO	396						
HS200709-JF03-115-107	COHO	420				1.1	T633264	
HS200709-JF03-115-108	COHO	337						
HS200709-JF03-115-109	COHO	386				1.1	T052768	
HS200709-JF03-115-110	COHO	352						
HS200709-JF03-115-111	COHO	254						
HS200709-JF03-115-112	COHO	328						AD
HS200709-JF03-115-113	COHO	346						
HS200709-JF03-115-114	COHO	315						
HS200709-JF03-115-115	COHO	350						
HS200709-JF03-115-116	COHO	360						AD
HS200709-JF03-115-117	COHO	322						
HS200709-JF03-115-118	COHO	267						
HS200709-JF03-115-119	COHO	345						AD
HS200709-JF03-115-120	COHO	378						AD
HS200709-JF03-115-121	COHO	330						
HS200709-JF03-115-122	COHO	350						
HS200709-JF03-115-123	COHO	315						
HS200709-JF03-115-124	COHO	346						
HS200709-JF03-115-125	COHO	300						
HS200709-JF03-115-126	COHO	384						
HS200709-JF03-115-127	COHO	365						
HS200709-JF03-115-128	COHO	317						

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-JF03-115-129	COHO	363						
HS200709-JF03-115-130	COHO	302						
HS200709-JF03-115-131	COHO	332						
HS200709-JF03-115-132	COHO	359						
HS200709-JF03-115-133	COHO	395						AD
HS200709-JF03-115-134	COHO	312						
HS200709-JF03-115-135	COHO	386						AD
HS200709-JF03-115-136	COHO	316						
HS200709-JF03-115-137	COHO	396						AD
HS200709-JF03-115-138	COHO	382						
HS200709-JF03-115-139	COHO	393						AD
HS200709-JF03-115-140	COHO	320						
HS200709-JF03-115-141	COHO	382						AD
HS200709-JF03-115-142	COHO	329						
HS200709-JF03-115-143	COHO	281						
HS200709-JF03-115-144	COHO	303						
HS200709-JF03-115-145	COHO	298						
HS200709-JF03-115-146	COHO	305						
HS200709-JF03-115-147	COHO	311						
HS200709-JF03-115-148	COHO	292						
HS200709-JF03-115-149	COHO	350						
HS200709-JF03-115-150	COHO	410						
HS200709-JF03-115-151	COHO	361						AD
HS200709-JF03-115-152	COHO	308						
HS200709-JF03-115-153	COHO	304						
HS200709-JF03-115-154	COHO	368						AD
HS200709-JF03-115-155	COHO	378						AD
HS200709-JF03-115-156	COHO	363						
HS200709-JF03-115-157	COHO	302						
HS200709-JF03-115-158	COHO	341						
HS200709-JF03-115-159	COHO	358						
HS200709-JF03-115-160	COHO	344						
HS200709-JF03-115-161	COHO	298						
HS200709-JF03-115-162	COHO	360						
HS200709-JF03-115-163	COHO	391				1.1	T210636	AD
HS200709-JF03-115-164	COHO	380						AD
HS200709-JF03-115-165	COHO	302						
HS200709-JF03-115-166	COHO	336				1.1	T633068	AD
HS200709-JF03-115-167	COHO	352						

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-JF03-115-168	COHO	403						
HS200709-JF03-115-169	COHO	298						
HS200709-JF03-115-170	COHO	308						
HS200709-JF03-115-171	COHO	318						
HS200709-JF03-115-172	COHO	345						
HS200709-JF03-115-173	COHO	320						
HS200709-JF03-115-174	COHO	302						
HS200709-JF03-115-175	COHO	303						
HS200709-JF03-115-176	COHO	375						AD
HS200709-JF03-115-177	COHO	295						AD
HS200709-JF04-115-001	COHO	315	308	M	0.4			
HS200709-JF04-115-002	COHO	327	358	F	0.25			
HS200709-JF04-115-003	COHO	327	370	F	0.33			
HS200709-JF04-115-004	COHO	332	356	F	1.07			AD
HS200709-JF04-115-005	COHO	344	491	F	1.27			
HS200709-JF04-115-006	COHO	340	441	M	1.34			
HS200709-JF04-115-007	COHO	383	580	M	1.33			
HS200709-JF04-115-008	COHO	344	429	F	0.61			
HS200709-JF04-115-009	COHO	387	562	F	1.06			
HS200709-JF04-115-010	COHO	342	428	F	1.47			
HS200709-JF04-115-011	COHO	322	355	F	0.62	1.1	T185218	AD
HS200709-JF04-115-012	COHO	290	274	F	0.6			
HS200709-JF04-115-013	COHO	395	646	F	0.94			AD
HS200709-JF04-115-014	COHO	355	497	F	0.2			
HS200709-JF04-115-015	COHO	395	660	F	0.28			
HS200709-JF04-115-016	COHO	328	401	M	0.35			
HS200709-JF04-115-017	COHO	379	618	M	1.86			AD
HS200709-JF04-115-018	COHO	289	260	M	0.69			
HS200709-JF04-115-019	COHO	312	318	M	0.8			
HS200709-JF04-115-020	COHO	349	428	M	0.16			
HS200709-JF04-115-021	COHO	338	420	F	0.44			AD
HS200709-JF05-115-001	COHO	328	381	M	4.16			
HS200709-JF05-115-002	COHO	359	500	F	0.73			
HS200709-JF05-115-003	COHO	400	719	F	7.05			AD
HS200709-JF05-115-004	COHO	328	390	M	8.6			
HS200709-JF05-115-005	COHO	337	426	F	10.38			
HS200709-JF05-115-006	COHO	401	738	F	5.28	1.1	T052770	
HS200709-JF05-115-007	COHO	344	429	M	11.76			
HS200709-JF05-115-008	COHO	328	400	F	12.69			

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-JF05-115-009	COHO	322	356	F	7.4			AD
HS200709-JF05-115-010	COHO	392	655	F	0.83			
HS200709-JF05-115-011	COHO	394	688	M	6.03			
HS200709-JF05-115-012	COHO	313	318	F	7.96			
HS200709-JF05-115-013	COHO	350	484	F	13.19			AD
HS200709-JF05-115-014	COHO	343	419	F	10.56			
HS200709-JF05-115-015	COHO	297	270	F	3.56			
HS200709-JF05-115-016	COHO	350	522	M	17.72			
HS200709-JF05-115-017	COHO	313	326	M	8.85			
HS200709-VI01-115-001	COHO	420	876	M	10.57			
HS200709-VI01-115-002	COHO	389	622	F	9.31	1.1	T633269	
HS200709-VI01-115-003	COHO	344	452	M	8.79			AD
HS200709-VI01-115-004	COHO	378	566	F	8.56			AD
HS200709-VI01-115-005	COHO	399	722	F	3.97			AD
HS200709-VI01-115-006	COHO	366	542	F	4.52	1.1	T052771	AD
HS200709-VI01-115-007	COHO	388	646	F	35.72			AD
HS200709-VI01-115-008	COHO	415	800	M	3.77			AD
HS200709-VI01-115-009	COHO	348	464	F	10.38			AD
HS200709-VI01-115-010	COHO	375	576	F	3.15			AD
HS200709-VI01-115-011	COHO	384	584	F	5.84	1.1	T633266	AD
HS200709-VI01-115-012	COHO	359	499	M	5.01			
HS200709-VI01-115-013	COHO	399	757	M	4.64			AD
HS200709-VI01-115-014	COHO	371	566	F	11.85			AD
HS200709-VI01-115-015	COHO	381	656	M	5.11	1.1	T633188	AD
HS200709-VI01-115-016	COHO	435	959	F	5.17			AD
HS200709-VI01-115-017	COHO	319	364	F	7.43			AD
HS200709-VI03-115-001	COHO	306	308	M	7.92			
HS200709-VI03-115-002	COHO	353	476	M	16.33			AD
HS200709-VI03-115-003	COHO	352	489	F	32.56			
HS200709-ISEA17-118-001	SOCKEYE	243	155					
HS200709-VI03-118-001	SOCKEYE	220	106					
HS200709-VI03-118-002	SOCKEYE	189	67					
HS200709-VI03-118-003	SOCKEYE	191	69					
HS200709-VI03-118-004	SOCKEYE	195	72					
HS200709-VI03-118-005	SOCKEYE	219	110					
HS200709-VI03-118-006	SOCKEYE	185	63					
HS200709-VI03-118-007	SOCKEYE	187	64					
HS200709-VI03-118-008	SOCKEYE	183	57					
HS200709-VI03-118-009	SOCKEYE	204	85					

Table 3. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Fish Number	Species	Fork Length (mm)	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200709-VI03-118-010	SOCKEYE	218	109					

Table 4. Physical oceanographic data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Station ID	Station Name	Region	Date UTC	Time UTC	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	SST (°C)	SSS (ppt)	NO3 µmoles/L	Si µmoles/L	PO4 µmoles/L	Chl A µg/L
HS200709-JF01	JUAN DE FUCA - BECHER BAY	JF	28-Feb-07	14:57	48.302	123.659	136	7.7	30.7	20.46	37.85	1.66	0.861
HS200709-JF02	JUAN DE FUCA - OTTER PT	JF	28-Feb-07	18:26	48.332	123.835	145	7.7	30.4	21.26	39.14	1.73	0.974
HS200709-JF03	JUAN DE FUCA - RIVER JORDAN	JF	28-Feb-07	18:57	48.387	124.065	97	7.7	31.1	24.95	43.87	2.01	0.891
HS200709-JF04	JUAN DE FUCA - SOMBRIO PT	JF	28-Feb-07	21:32	48.446	124.307	108	7.7	30.8	24.51	43.23	1.98	0.675
HS200709-JF05	JUAN DE FUCA - SAN JUAN	JF	28-Feb-07	23:12	48.498	124.495	157	8.3	29.5	9.06	23.29	0.88	1.035
HS200709-VI01	SWIFTSURE BANK	VI	01-Mar-07	01:36	48.587	124.770	41	8	29.1	9	24.58	0.84	1.194
HS200709-IVI01	BARKLEY SD - IMPERIAL EAGLE CH	IVI	01-Mar-07	14:58	48.965	125.139	73	6.3	26	14.26	31.05	1.15	0.686
HS200709-IVI02	BARKLEY SD - IMPERIAL EAGLE CH	IVI	01-Mar-07	16:19	48.901	125.215	100	7.2	27.8	14.44	31.08	1.22	0.713
HS200709-IVI03	BARKLEY SD - CAPE BEALE	IVI	01-Mar-07	17:36	48.844	125.261	97	7.8	29	11.27	23.9	1.05	0.94
HS200709-VI02	8' WEST CAPE BEALE	VI	01-Mar-07	19:11	48.737	125.362	101	7.8	29.6	10.33	24.09	1.05	1.039
HS200709-VI03	FINGER BANK	VI	01-Mar-07	21:04	48.669	125.508	170	7.7	29.2	9.96	21.95	0.97	1.118
HS200709-VI04	FINGER BANK	VI	01-Mar-07	22:35	48.603	125.649	71	7.8	29.7	10.61	23.15	0.96	1.278
HS200709-VI05	FINGER BANK	VI	02-Mar-07	00:08	48.524	125.819	82	8	31.2	12.32	22.64	1.12	1.285
HS200709-IVI04	NOOTKA SD - MUCHALAT	IVI	02-Mar-07	14:58	49.670	126.142	341	8	29.2	18.73	32.92	1.52	0.652
HS200709-IVI05	NOOTKA SD - MUCHALAT	IVI	02-Mar-07	16:34	49.645	126.261	247	7.9	27.7	18.05	32.86	1.39	0.762
HS200709-IVI06	NOOTKA SD - HANNA CH	IVI	02-Mar-07	18:18	49.645	126.449	162	6.8	25.3	17.46	33.5	1.44	0.531
HS200709-IVI07	NOOTKA SD - TLUPANA INLET	IVI	02-Mar-07	20:43	49.784	126.468	120	8.5	28.7	21.3	36.47	1.75	0.363
HS200709-IVI08	NOOTKA SD - TLUPANA INLET	IVI	02-Mar-07	22:15	49.698	126.502	245	8.4	29.5	19.61	34.69	1.63	0.254
HS200709-IVI09	NOOTKA SD - COOK CH	IVI	02-Mar-07	23:39	49.652	126.608	150	8.1	29.2	17.76	32.93	1.54	0.622
HS200709-IVI10	NOOTKA SD - ZUCIARTE CH	IVI	03-Mar-07	01:27	49.597	126.554	97	7.3	27.3	16.46	30.48	1.56	0.823
HS200709-EP01	ESTEVAN PT	VI	03-Mar-07	17:29	49.351	126.529	34	7.3	29.4	14.88	29.12	1.52	1.073
HS200709-EP02	ESTEVAN PT	VI	03-Mar-07	18:49	49.314	126.604	85	7.7	30.3	15.12	27.31	1.38	1.361
HS200709-EP03	ESTEVAN PT	VI	03-Mar-07	20:09	49.280	126.678	112	7.8	31	14.69	25.27	1.36	1.532
HS200709-EP04	ESTEVAN PT	VI	03-Mar-07	21:39	49.244	126.763	117	7.9	31.4	14	21.66	1.28	
HS200709-EP05	ESTEVAN PT	VI	03-Mar-07	23:01	49.211	126.840	143	8.4	32.5	11.74	15.27	1.18	1.225
HS200709-EP06	ESTEVAN PT	VI	04-Mar-07	00:17	49.170	126.916	186	8.4	32.4	11.2	14.57	1.15	1.084
HS200709-IVI11	ESPERANZA - TAHSIS INLET	IVI	04-Mar-07	15:37	49.791	126.649	124	7.5	26.4	17.59	32.46	1.61	2.502
HS200709-IVI12	ESPERANZA - HECATE CH	IVI	04-Mar-07	17:24	49.862	126.740	222	7.9	28	17.35	30.39	1.45	1.558
HS200709-IVI13	ESPERANZA - ZEBALLOS INLET	IVI	04-Mar-07	18:57	49.950	126.812	127	8.2	27.8	17.7	29.76	1.49	0.872
HS200709-IVI14	ESPERANZA - ZEBALLOS INLET	IVI	04-Mar-07	20:17	49.871	126.826	230	7.9	28.6	15.82	28.91	1.43	1.85

Table 4. Physical oceanographic data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Station ID	Station Name	Region	Date UTC	Time UTC	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	SST (°C)	SSS (ppt)	NO3 µmoles/L	Si µmoles/L	PO4 µmoles/L	Chl A µg/L
HS200709-IVI15	ESPERANZA - ESPINOSIS INLET	IVI	04-Mar-07	22:13	49.966	126.935	193	8.3	29.1	17.16	28.06	1.52	
HS200709-VI06	OFF ESPERANZA	VI	05-Mar-07	00:26	49.784	127.067	43	7.4	29.3	13.55	25.55	1.21	2.248
HS200709-IVI16	QUATSINO - QUATSINO CH	IVI	05-Mar-07	15:02	50.493	127.765	103	7.7	28.1	16.19	30.52	1.5	
HS200709-IVI17	QUATSINO - QUATSINO CH	IVI	05-Mar-07	17:22	50.470	127.942	200	7.7	29.4	15.39	27.48	1.39	0.607
HS200709-IVI18	QUATSINO - QUATSINO CH	IVI	05-Mar-07	18:40	50.489	127.863	112	7.8	28.9	15.99	29.2	1.45	0.421
HS200709-IVI19	QUATSINO - NEROUTSOS INLET	IVI	05-Mar-07	20:46	50.495	127.574	151	8.2	28	17.42	31.06	1.6	0.622
HS200709-IVI20	QUATSINO - NEROUTSOS INLET	IVI	05-Mar-07	22:46	50.397	127.482	110	8.2	25.9	17.22	29.23	1.63	
HS200709-IVI21	QUATSINO - NEROUTSOS INLET	IVI	06-Mar-07	00:20	50.429	127.510	170	8	28.5				0.425
HS200709-IVI22	QUATSINO - QUATSINO CH	IVI	06-Mar-07	15:12	50.527	127.621	93	8.1	29.1	16.73	30.27	1.5	
HS200709-IVI23	QUATSINO - HOLBERG INLET	IVI	06-Mar-07	17:25	50.569	127.570	129	7.9	25.2	19.27	35.61	1.71	0.15
HS200709-IVI24	QUATSINO - HOLBERG INLET	IVI	06-Mar-07	18:55	50.597	127.741	78	7.6	24.5	19.84	40.73	1.73	
HS200709-IVI25	QUATSINO - RUPERT INLET	IVI	06-Mar-07	20:54	50.586	127.448	63	8	28.5	17.72	32.17	1.84	
HS200709-IVI26	QUATSINO - NEROUTSOS INLET	IVI	06-Mar-07	23:06	50.514	127.611	110	8.1	28	17.45	30.34	1.9	0.61
HS200709-IBC01	FITZ-HUGH SD - KWAKSHUA	IBC	08-Mar-07	15:05	51.650	127.945	330	6.9	30.4	20.24	35.21	1.71	0.387
HS200709-IBC02	FITZ-HUGH SD - NAMU	IBC	08-Mar-07	17:29	51.892	127.936	332	6.5	29.8	20.74	37.68	1.72	
HS200709-IBC03	FISHER CH	IBC	08-Mar-07	19:07	52.012	127.944	406	6.5	29.8	21.12	38.41	1.78	
HS200709-IBC04	FISHER CH	IBC	08-Mar-07	20:41	52.129	127.879	503	6.2	29.2	20.98	38.38	1.79	0.826
HS200709-IBC05	DEAN CH	IBC	08-Mar-07	22:26	52.256	127.744	435	5.5	26.6	20.06	38.65	1.61	1.092
HS200709-IBC06	DEAN CH - LOCKER PT	IBC	09-Mar-07	00:11	52.311	127.546	225	5.7	26.8	20.07	38.03	1.65	0.663
HS200709-IBC10	DEAN CH - NASCALL BAY	IBC	09-Mar-07	00:20	52.498	127.254	485	4.9	22.4	17.6	37.31	1.59	0.553
HS200709-IBC07	DEAN CH - KIMSQUIT	IBC	09-Mar-07	15:07	52.787	126.978	270	4.8	18.3	16.08	47.8	1.12	0.754
HS200709-IBC08	DEAN CH - SYLVESTER PT	IBC	09-Mar-07	17:04	52.646	127.001	460	4.9	22.4	21.3	43.69	1.62	0.512
HS200709-IBC09	DEAN CH - WHITECLIFFLE PT	IBC	09-Mar-07	18:49	52.580	127.153	449	4.8	22.1	20.91	43.59	1.62	0.516
HS200709-IBC11	BURKE CH	IBC	09-Mar-07	22:33	52.329	127.182	550	5.5	25.4	17.97	37.88	1.56	0.633
HS200709-IBC12	BURKE CH - GAARDEN PT	IBC	09-Mar-07	23:42	52.257	127.290	563	5.7	26.5	19.99	40.55	1.65	0.751
HS200709-IBC13	PORTLAND INLET - OBSERVATORY IN	IBC	11-Mar-07	13:54	55.148	129.905	480	5.3	28.7	18.69	34.62	1.53	0.842
HS200709-IBC14	PORTLAND INLET - OBSERVATORY IN	IBC	11-Mar-07	15:29	55.072	129.995	205	5.2	27.1	18.03	31.84	1.63	0.428
HS200709-IBC15	PORTLAND INLET - OBSERVATORY IN	IBC	11-Mar-07	17:04	54.967	130.074	268	5.1	27.7	18	31.89	1.48	0.557
HS200709-IBC16	PORTLAND INLET - PROMISE IS	IBC	11-Mar-07	18:51	54.846	130.225	425	5.1	29.1	17.72	31.13	1.49	0.656
HS200709-IBC17	PORTLAND INLET - ENTRANCE	IBC	11-Mar-07	20:52	54.700	130.431	535	5.1	29.1	18.59	30.88	1.65	

Table 4. Physical oceanographic data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Station ID	Station Name	Region	Date UTC	Time UTC	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	SST (°C)	SSS (ppt)	NO3 µmoles/L	Si µmoles/L	PO4 µmoles/L	Chl A µg/L
HS200709-IBC18	CHATHAM SD - NORTH	IBC	11-Mar-07	22:46	54.556	130.515	164	5.9	28.6	17.41	30.79	1.45	0.542
HS200709-ISEA01	CLARENCE STRAIT	ISEA	13-Mar-07	14:06	54.825	131.799	400	6	30.6	18.21	29.36	1.56	0.383
HS200709-ISEA02	CLARENCE STRAIT	ISEA	13-Mar-07	16:28	55.042	131.852	405	6.1	31.1	16.9	27.27	1.47	0.39
HS200709-ISEA03	CLARENCE STRAIT	ISEA	13-Mar-07	19:01	55.243	131.909	393	5.4	30.4	15.87	30.28	1.71	
HS200709-ISEA04	CLARENCE STRAIT	ISEA	13-Mar-07	21:25	55.452	132.069	425	5.4	30.3	18.64	32.33	1.69	0.773
HS200709-ISEA05	CLARENCE STRAIT	ISEA	14-Mar-07	00:34	55.661	132.285	550	4.8	29.8	18.95	33.72	1.71	0.648
HS200709-ISEA06	STIKINE STRAIT	ISEA	14-Mar-07	14:03	56.263	132.648	325	4.9	30.5	19.51	34.21	1.75	0.603
HS200709-ISEA07	STIKINE STRAIT - CHICHAGOF PASS	ISEA	14-Mar-07	15:48	56.349	132.487	166	4.3	30.3	21.52	38.94	1.77	0.542
HS200709-ISEA08	SUMNER STRAIT - W WORONOFSKI IS	ISEA	14-Mar-07	17:12	56.361	132.589	316	5	30.6	20.56	36.54	1.69	0.432
HS200709-ISEA09	SUMNER STRAIT - W VANK IS	ISEA	14-Mar-07	19:01	56.451	132.637	99	4.9	30.5	21.49	37.7	1.83	0.535
HS200709-ISEA10	SUMNER STRAIT - NW VANK IS	ISEA	14-Mar-07	20:27	56.501	132.679	109	4.4	29.5	20.59	38.78	1.66	0.679
HS200709-ISEA11	SUMNER STRAIT- WOODPECKER CV	ISEA	14-Mar-07	21:45	56.485	132.839	111	4.1	28.4	21.27	39.72	1.77	0.553
HS200709-ISEA12	SUMNER STRAIT	ISEA	14-Mar-07	23:16	56.452	133.016	168	4.3	29.3	21.64	42.38	1.83	0.713
HS200709-ISEA13	SUMNER STRAIT	ISEA	15-Mar-07	01:01	56.399	133.120	81	4.6	30.2	22.78	41.1	1.87	
HS200709-ISEA14	SUMNER STRAIT	ISEA	15-Mar-07	14:02	56.375	133.347	291	4.9	30.7	21.88	39.5	1.8	0.311
HS200709-ISEA15	SUMNER STRAIT	ISEA	15-Mar-07	15:38	56.391	133.538	367	5.6	30.6	23.23	42.52	1.88	0.394
HS200709-ISEA16	SUMNER STRAIT	ISEA	15-Mar-07	17:40	56.327	133.797	340	4.9	31	21.08	37.28	1.63	0.387
HS200709-ISEA17	SUMNER STRAIT	ISEA	15-Mar-07	19:57	56.092	133.811	393	4.8	31	22.88	40.93	1.87	0.318
HS200709-ISEA18	CHATHAM STRAIT - CAPE DECISION	ISEA	15-Mar-07	22:24	55.996	134.223	92	5.2	31.6	22.73	38.63	1.85	
HS200709-ISEA19	CHATHAM STRAIT- P. MALMESBURY	ISEA	16-Mar-07	00:36	56.211	134.324	123	5.2	31.6	21.37	35.47	1.77	0.36
HS200709-ISEA20	ICY STRAIT	ISEA	16-Mar-07	14:08	57.962	134.851	550	3.3	31.4	26.37	49.31	2.06	0.648
HS200709-ISEA21	ICY STRAIT	ISEA	16-Mar-07	16:31	58.122	135.133	402	2.7	31.5	28.32	52.62	2.21	0.792
HS200709-ISEA22	ICY STRAIT	ISEA	16-Mar-07	18:03	58.169	135.172	371	2.8	31.5	27.61	51.4	2.18	0.652
HS200709-ISEA23	ICY STRAIT	ISEA	16-Mar-07	19:37	58.230	135.348	268	2.7	31.4	28.5	52.96	2.24	0.478
HS200709-ISEA24	ICY STRAIT	ISEA	16-Mar-07	22:15	58.312	135.802	104	3.7	31.7	24.89	41.99	2	
HS200709-ISEA25	ICY STRAIT	ISEA	16-Mar-07	23:35	58.248	136.022	87	3.7	31.7	25.12	42.3	2.01	0.253
HS200709-ISEA26	STEPHENS PASSAGE	ISEA	17-Mar-07	13:58	58.184	134.389	44	2.5	30.8	29.69	57.45	2.34	0.47
HS200709-ISEA27	STEPHENS PASSAGE	ISEA	17-Mar-07	15:56	58.121	134.108	215	2.9	31.5	28.99	55.67	2.29	0.349
HS200709-ISEA28	STEPHENS PASSAGE	ISEA	17-Mar-07	17:45	57.990	133.977	298	2.7	31.3	29.6	56.82	2.33	0.553
HS200709-ISEA29	STEPHENS PASSAGE	ISEA	17-Mar-07	19:56	57.817	133.827	325	3.1	31.5	28.49	54.35	2.24	

Table 4. Physical oceanographic data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Station ID	Station Name	Region	Date UTC	Time UTC	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	SST (°C)	SSS (ppt)	NO3 µmoles/L	Si µmoles/L	PO4 µmoles/L	Chl A µg/L
HS200709-ISEA30	STEPHENS PASSAGE	ISEA	17-Mar-07	23:08	57.503	133.715	179	3.6	31.6	27.56	50.81	2.21	0.296
HS200709-ISEA31	STEPHENS PASSAGE	ISEA	18-Mar-07	00:56	57.361	133.751	405	4	31.7	26.51	47.51	2.11	0.292
HS200709-ISEA32	FREDERICK SOUND	ISEA	18-Mar-07	14:33	57.139	133.922	106	4	31.8	26.58	48.11	2.12	0.287
HS200709-ISEA33	FREDERICK SOUND	ISEA	18-Mar-07	16:13	57.094	133.684	89	4.3	31.7	24.84	43.38	2.01	0.379
HS200709-ISEA34	FREDERICK SOUND	ISEA	18-Mar-07	17:43	57.064	133.466	88	4.4	31.7	23.84	41.06	1.95	0.372
HS200709-ISEA35	FREDERICK SOUND	ISEA	18-Mar-07	19:17	57.034	133.218	179	4.4	31.7	23.85	42.17	1.97	0.337
HS200709-ISEA36	FREDERICK SOUND	ISEA	18-Mar-07	20:57	56.959	133.000	145	3.5	31.3	27.44	52.89	2.2	0.504
HS200709-ISEA37	FREDERICK SOUND	ISEA	18-Mar-07	22:40	56.845	132.875	200	4	31.2	27.32	52.44	2.22	0.353
HS200709-ISEA38	FREDERICK SOUND	ISEA	19-Mar-07	00:34	56.749	132.697	153	4	31.4	27.57	52.61	2.21	
HS200709-ISEA39	CHATHAM STRAIT	ISEA	19-Mar-07	13:58	57.386	134.725	550	4.1	31.7	24.43	42.89	1.99	0.432
HS200709-ISEA40	CHATHAM STRAIT	ISEA	19-Mar-07	16:31	57.141	134.679	550	4.3	31.8	24.44	42.69	2	0.531
HS200709-ISEA41	CHATHAM STRAIT	ISEA	19-Mar-07	19:07	56.886	134.648	650	5	31.8	21.59	35.65	1.82	0.409
HS200709-ISEA42	REVILLAGIGEDO CH	ISEA	20-Mar-07	16:42	55.235	131.439	131	4.5	27.6	18.51	33.5	1.54	0.743
HS200709-ISEA43	REVILLAGIGEDO CH	ISEA	20-Mar-07	19:00	55.161	131.172	173	4.9	29	19.18	35.04	1.56	0.618
HS200709-ISEA44	REVILLAGIGEDO CH	ISEA	20-Mar-07	20:34	55.053	131.130	311	5.3	29.6	19.18	33.65	1.61	0.406
HS200709-ISEA45	REVILLAGIGEDO CH	ISEA	20-Mar-07	22:28	54.893	131.123	224	5.6	29.8	17.68	29.85	1.54	0.356
HS200709-DE05	DIXON ENTRANCE - NANKIVELL PT	DE	21-Mar-07	13:59	54.219	132.920	77	6	31.7	18	28.39	1.59	0.739
HS200709-DE04	DIXON ENTRANCE - VIRAGO SOUND	DE	21-Mar-07	16:12	54.152	132.560	71	6	31.7	17.53	27.76	1.56	
HS200709-DE03	DIXON ENTRANCE - WIAH PT	DE	21-Mar-07	17:57	54.127	132.263	45	6	31.8	17.63	28.03	1.57	0.663
HS200709-DE02	DIXON ENTRANCE - MCINTYRE BAY	DE	21-Mar-07	20:13	54.158	132.025	47	5.9	31.5	17.29	27.62	1.53	0.898
HS200709-DE01	DIXON ENTRANCE - ROSE SPIT	DE	21-Mar-07	22:04	54.240	131.697	117	6.1	31.8	18.49	28.71	1.7	0.648
HS200709-H06	HECATE ST	HS	22-Mar-07	14:06	52.483	130.491	205	7	31.8	13.81	20.28	1.35	0.804
HS200709-H05	HECATE ST	HS	22-Mar-07	16:04	52.434	130.227	182	7.3	31.8	13.57	19.52	1.31	0.656
HS200709-H04	HECATE ST	HS	22-Mar-07	18:11	52.372	129.963	161	7.3	31.9	12.72	17.58	1.23	0.584
HS200709-H03	HECATE ST	HS	22-Mar-07	20:19	52.317	129.703	160	7.6	31.7	12.98	18.59	1.27	0.732
HS200709-H02	HECATE ST	HS	22-Mar-07	22:47	52.263	129.441	321	7.3	31.4	15.9	24.77	1.43	0.591
HS200709-H01	HECATE ST	HS	23-Mar-07	00:57	52.204	129.175	245	7.3	31.4	16.19	25.03	1.55	0.485
HS200709-IBC19	FITZ-HUGH SD - KELPIE PT	IBC	23-Mar-07	14:46	51.731	127.970	363	6.9	30	19.68	35	1.67	0.538
HS200709-IBC20	FITZ-HUGH SD - WEDGBOROUGH PT	IBC	23-Mar-07	16:19	51.654	127.935	334	7	30.3	19.27	33.77	1.62	0.504
HS200709-IBC21	FITZ-HUGH SD - TRUMAN PT	IBC	23-Mar-07	17:47	51.578	127.882	257	6.8	26.8	19.5	35.29	1.65	0.701

Table 5. Zooplankton data from bongo tows collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Station ID	Station Name	Region	Latitude (°N)	Longitude (°W)	Date	Time	Target Depth (m)	Tow Duration	Plankton Weights by Size Faction (g dry / 1000 cu m)				
									8.0mm	1.7mm	1.0mm	0.25mm	Total
HS200709-JF01	JUAN DE FUCA - BECHER BAY	JF	48.301	123.655	28-Feb-07	07:20	120	00:05	3.5	16.63	26.26	91.91	138.31
HS200709-JF02	JUAN DE FUCA - OTTER PT	JF	48.332	123.837	28-Feb-07	09:07	135	00:07	0.51	2.19	3.03	9.95	15.68
HS200709-JF03	JUAN DE FUCA - RIVER JORDAN	JF	48.386	124.064	28-Feb-07	11:08	100	00:04	0	3.04	3.9	15.62	22.56
HS200709-JF04	JUAN DE FUCA - SOMBRIO PT	JF	48.446	124.307	28-Feb-07	13:40	99	00:05	1.08	1.81	2.89	9.04	14.82
HS200709-JF05	JUAN DE FUCA - SAN JUAN	JF	48.498	124.496	28-Feb-07	15:36	150	00:07	4.95	1.65	2.2	6.05	14.86
HS200709-VI01	SWIFTSURE BANK	VI	48.587	124.771	28-Feb-07	17:42	35	00:02	0	2.02	5.39	12.14	19.55
HS200709-IVI01	BARKLEY SD - IMPERIAL EAGLE CH	IVI	48.966	125.140	01-Mar-07	07:07	80	00:04	0	2.01	2.41	9.25	13.68
HS200709-IVI02	BARKLEY SD - IMPERIAL EAGLE CH	IVI	48.901	125.216	01-Mar-07	08:27	91	00:04	0	2.52	10.9	21.8	35.22
HS200709-IVI03	BARKLEY SD - CAPE BEALE	IVI	48.844	125.261	01-Mar-07	09:44	87	00:04	0	2.97	3.97	12.89	19.83
HS200709-VI02	8' WEST CAPE BEALE	VI	48.737	125.362	01-Mar-07	11:19	89	00:05	0	3.37	9.44	13.94	26.75
HS200709-VI03	FINGER BANK	VI	48.668	125.510	01-Mar-07	13:16	150	00:08	0	0.48	3.82	8.59	12.89
HS200709-VI04	FINGER BANK	VI	48.603	125.650	01-Mar-07	14:42	56	00:03	0	1.39	4.85	20.79	27.03
HS200709-VI05	FINGER BANK	VI	48.524	125.819	01-Mar-07	16:15	72	00:04	0	1.15	2.3	6.91	10.36
HS200709-IVI04	NOOTKA SD - MUCHALAT	IVI	49.672	126.141	02-Mar-07	07:14	150	00:07	0	7.6	5.33	4.08	17.01
HS200709-IVI05	NOOTKA SD - MUCHALAT	IVI	49.646	126.261	02-Mar-07	08:49	150	00:06	0	13.92	5.78	7.09	26.79
HS200709-IVI06	NOOTKA SD - HANNA CH	IVI	49.645	126.451	02-Mar-07	10:41	150	00:08	2.09	7.59	6.83	6.07	22.58
HS200709-IVI07	NOOTKA SD - TLUPANA INLET	IVI	49.784	126.466	02-Mar-07	12:51	85	00:04	0	1.64	1.23	3.68	6.54
HS200709-IVI08	NOOTKA SD - TLUPANA INLET	IVI	49.698	126.504	02-Mar-07	14:27	150	00:07	0	8.19	3.84	4.86	16.89
HS200709-IVI09	NOOTKA SD - COOK CH	IVI	49.650	126.607	02-Mar-07	15:49	143	00:06	0	11.85	7.17	9.37	28.39
HS200709-IVI10	NOOTKA SD - ZUCIARTE CH	IVI	49.598	126.557	02-Mar-07	17:35	86	00:04	0	6.57	1.75	7	15.32
HS200709-EP01	ESTEVAN PT	VI	49.353	126.533	03-Mar-07	09:35	22	00:02	0	11.6	10.44	40.61	62.66
HS200709-EP02	ESTEVAN PT	VI	49.317	126.606	03-Mar-07	10:58	73	00:04	0	1.59	1.27	10.49	13.35
HS200709-EP03	ESTEVAN PT	VI	49.283	126.679	03-Mar-07	12:23	99	00:06	0	0.86	2.37	9.68	12.9
HS200709-EP04	ESTEVAN PT	VI	49.248	126.767	03-Mar-07	13:49	108	00:06	0	0.68	1.18	3.38	5.24
HS200709-EP05	ESTEVAN PT	VI	49.212	126.840	03-Mar-07	15:10	128	00:06	0	1.15	0.87	3.75	5.77
HS200709-EP06	ESTEVAN PT	VI	49.170	126.917	03-Mar-07	16:28	150	00:08	0	2.52	0.79	2.05	5.35
HS200709-IVI11	ESPERANZA - TAHSIS INLET	IVI	49.790	126.649	04-Mar-07	07:46	115	00:05	0	2.53	1.58	6.95	11.05
HS200709-IVI12	ESPERANZA - HECATE CH	IVI	49.864	126.739	04-Mar-07	09:39	150	00:07	0	5.04	1.33	5.84	12.21
HS200709-IVI13	ESPERANZA - ZEBALLOS INLET	IVI	49.949	126.812	04-Mar-07	11:06	115	00:05	0	4.54	2.59	6.16	13.28

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Station ID	Station Name	Region	Latitude (°N)	Longitude (°W)	Date	Time	Target Depth (m)	Tow Duration	Plankton Weights by Size Faction (g dry / 1000 cu m)				
									8.0mm	1.7mm	1.0mm	0.25mm	Total
HS200709-IVI14	ESPERANZA - ZEBALLOS INLET	IVI	49.871	126.827	04-Mar-07	12:29	150	00:07	0	4.25	2.92	8.76	15.92
HS200709-IVI15	ESPERANZA - ESPINOSIS INLET	IVI	49.966	126.935	04-Mar-07	14:23	150	00:07	0	5.34	1.6	6.67	13.61
HS200709-VI06	OFF ESPERANZA	VI	49.784	127.068	04-Mar-07	16:32	31	00:01	0	25.5	12.2	43.24	80.94
HS200709-IVI16	QUATSINO - QUATSINO CH	IVI	50.493	127.765	05-Mar-07	07:12	90	00:04	0	15.9	7.06	2.65	25.61
HS200709-IVI17	QUATSINO - QUATSINO CH	IVI	50.471	127.942	05-Mar-07	09:35	150	00:07	0	4.48	2.65	18.53	25.66
HS200709-IVI18	QUATSINO - QUATSINO CH	IVI	50.487	127.862	05-Mar-07	10:48	114	00:06	0	5.58	5.25	3.94	14.77
HS200709-IVI19	QUATSINO - NEROUTSOS INLET	IVI	50.495	127.575	05-Mar-07	12:57	137	00:06	0	15.06	7.68	5.31	28.05
HS200709-IVI20	QUATSINO - NEROUTSOS INLET	IVI	50.397	127.483	05-Mar-07	14:55	96	00:04	0	10.44	0.65	2.94	14.02
HS200709-IVI21	QUATSINO - NEROUTSOS INLET	IVI	50.428	127.511	05-Mar-07	16:30	150	00:07	0	33.26	7.78	8.58	49.63
HS200709-IVI22	QUATSINO - QUATSINO CH	IVI	50.527	127.621	06-Mar-07	07:20	80	00:03	0	1.87	1.4	2.33	5.6
HS200709-IVI23	QUATSINO - HOLBERG INLET	IVI	50.569	127.570	06-Mar-07	09:35	116	00:05	0	0.66	1.31	1.97	3.94
HS200709-IVI24	QUATSINO - HOLBERG INLET	IVI	50.597	127.742	06-Mar-07	11:02	66	00:03	3.52	26.42	2.35	4.7	36.98
HS200709-IVI25	QUATSINO - RUPERT INLET	IVI	50.586	127.447	06-Mar-07	13:01	53	00:02	0	14.89	0	2.98	17.87
HS200709-IVI26	QUATSINO - NEROUTSOS INLET	IVI	50.514	127.611	06-Mar-07	15:14	108	00:05	0	4.54	2.63	1.32	8.49
HS200709-IBC01	FITZ-HUGH SD - KWAKSHUA	IBC	51.649	127.941	08-Mar-07	07:19	150	00:06	0	6.49	11.76	8.92	27.18
HS200709-IBC02	FITZ-HUGH SD - NAMU	IBC	51.890	127.934	08-Mar-07	09:43	150	00:07	0	3.38	4.65	4.23	12.26
HS200709-IBC03	FISHER CH	IBC	52.012	127.926	08-Mar-07	11:20	150	00:07	0	3.29	2.79	3.55	9.62
HS200709-IBC04	FISHER CH	IBC	52.131	127.880	08-Mar-07	12:57	150	00:06	0	5.79	3.22	3.38	12.39
HS200709-IBC05	DEAN CH	IBC	52.257	127.742	08-Mar-07	14:39	150	00:07	0	5.83	6.84	4.56	17.22
HS200709-IBC06	DEAN CH - LOCKER PT	IBC	52.311	127.547	08-Mar-07	16:23	150	00:07	0	5.07	5.34	4.27	14.68
HS200709-IBC07	DEAN CH - KIMSQUIT	IBC	52.784	126.978	09-Mar-07	07:22	150	00:07	0	7.13	5.7	3.26	16.09
HS200709-IBC08	DEAN CH - SYLVESTER PT	IBC	52.646	126.999	09-Mar-07	09:18	150	00:06	0	5.37	7.93	3.58	16.89
HS200709-IBC09	DEAN CH - WHITECLIFFLE PT	IBC	52.579	127.151	09-Mar-07	11:02	150	00:07	0	7.07	8.41	2.94	18.41
HS200709-IBC10	DEAN CH - NASCALL BAY	IBC	52.497	127.257	09-Mar-07	12:49	150	00:07	0	14.94	7.2	4.27	26.42
HS200709-IBC12	BURKE CH - GAARDEN PT	IBC	52.259	127.288	09-Mar-07	15:54	150	00:07	0	1.11	3.99	1.77	6.87
HS200709-IBC13	PORTLAND INLET - OBSERVATORY IN	IBC	55.147	129.903	11-Mar-07	07:08	150	00:07	2.98	15.14	13.41	6.45	37.98
HS200709-IBC14	PORTLAND INLET - OBSERVATORY IN	IBC	55.073	129.994	11-Mar-07	08:41	150	00:07	0	7.46	9.63	5.7	22.79
HS200709-IBC15	PORTLAND INLET - OBSERVATORY IN	IBC	54.965	130.076	11-Mar-07	10:17	150	00:07	0	10.14	13.77	4.68	28.59
HS200709-IBC16	PORTLAND INLET - PROMISE IS	IBC	54.845	130.226	11-Mar-07	12:04	150	00:07	0	17.69	14.52	8.98	41.18

Table 5. Zooplankton data from bongo tows collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Station ID	Station Name	Region	Latitude (°N)	Longitude (°W)	Date	Time	Target Depth (m)	Tow Duration	Plankton Weights by Size Faction (g dry / 1000 cu m)				
									8.0mm	1.7mm	1.0mm	0.25mm	Total
HS200709-IBC17	PORTLAND INLET - ENTRANCE	IBC	54.700	130.429	11-Mar-07	14:05	150	00:07	0	6	6.54	5.18	17.72
HS200709-IBC18	CHATHAM SD - NORTH	IBC	54.556	130.514	11-Mar-07	15:55	150	00:07	0	1.07	1.07	3.74	5.87
HS200709-ISEA01	CLARENCE STRAIT	ISEA	54.825	131.793	13-Mar-07	07:19	150	00:08	0	2.84	1.78	2.66	7.28
HS200709-ISEA02	CLARENCE STRAIT	ISEA	55.039	131.852	13-Mar-07	09:41	150	00:07	0	5	4.06	2.57	11.63
HS200709-ISEA03	CLARENCE STRAIT	ISEA	55.242	131.910	13-Mar-07	12:14	150	00:07	0	5.54	9.83	4.28	19.66
HS200709-ISEA04	CLARENCE STRAIT	ISEA	55.450	132.070	13-Mar-07	14:39	150	00:07	0	9.12	9.62	5.57	24.32
HS200709-ISEA05	CLARENCE STRAIT	ISEA	55.660	132.282	13-Mar-07	17:48	150	00:07	0	-3.1	20.17	17.84	34.9
HS200709-ISEA06	STIKINE STRAIT	ISEA	56.263	132.641	14-Mar-07	07:17	150	00:07	4.11	10.47	18.07	6.98	39.63
HS200709-ISEA07	STIKINE STRAIT - CHICHAGOF PASS	ISEA	56.349	132.487	14-Mar-07	08:58	150	00:06	0	4.78	15.39	7.17	27.34
HS200709-ISEA08	SUMNER STRAIT - W WORONOFSKI IS	ISEA	56.361	132.588	14-Mar-07	10:25	150	00:07	0	6.54	22.04	7.75	36.33
HS200709-ISEA09	SUMNER STRAIT - W VANK IS	ISEA	56.452	132.641	14-Mar-07	12:09	65	00:03	0	3.48	4.06	4.64	12.18
HS200709-ISEA10	SUMNER STRAIT - NW VANK IS	ISEA	56.501	132.681	14-Mar-07	13:34	95	00:04	0	0.8	2.82	4.43	8.05
HS200709-ISEA11	SUMNER STRAIT- WOODPECKER CV	ISEA	56.485	132.844	14-Mar-07	14:52	95	00:04	0	0	1.08	9.76	10.85
HS200709-ISEA12	SUMNER STRAIT	ISEA	56.451	133.023	14-Mar-07	16:33	130	00:06	0	3.56	6.31	5.48	15.35
HS200709-ISEA13	SUMNER STRAIT	ISEA	56.398	133.120	14-Mar-07	18:08	65	00:03	0	3.6	12.86	7.2	23.66
HS200709-ISEA14	SUMNER STRAIT	ISEA	56.377	133.343	15-Mar-07	07:17	150	00:06	0	11.28	9.33	7.38	27.99
HS200709-ISEA15	SUMNER STRAIT	ISEA	56.392	133.536	15-Mar-07	08:51	150	00:06	0	8.66	7.64	4.33	20.62
HS200709-ISEA16	SUMNER STRAIT	ISEA	56.326	133.793	15-Mar-07	10:54	150	00:06	0	3.64	7.02	4.42	15.07
HS200709-ISEA17	SUMNER STRAIT	ISEA	56.088	133.811	15-Mar-07	13:11	150	00:07	0	4.08	7.53	3.77	15.38
HS200709-ISEA18	CHATHAM STRAIT - CAPE DECISION	ISEA	55.997	134.224	15-Mar-07	15:31	75	00:04	0	0	0	2.63	2.63
HS200709-ISEA19	CHATHAM STRAIT- P. MALMESBURY	ISEA	56.210	134.323	15-Mar-07	17:44	110	00:05	0	0	0	1.25	1.25
HS200709-ISEA20	ICY STRAIT	ISEA	57.964	134.854	16-Mar-07	07:22	150	00:07	0	2.96	41.21	5.91	50.08
HS200709-ISEA21	ICY STRAIT	ISEA	58.124	135.131	16-Mar-07	09:44	150	00:07	0	3.51	44.95	4.74	53.2
HS200709-ISEA22	ICY STRAIT	ISEA	58.171	135.171	16-Mar-07	11:17	150	00:06	0	4.18	36.57	8.1	48.85
HS200709-ISEA23	ICY STRAIT	ISEA	58.230	135.350	16-Mar-07	12:50	150	00:06	0	2.02	1.74	2.31	6.07
HS200709-ISEA24	ICY STRAIT	ISEA	58.311	135.807	16-Mar-07	15:24	85	00:04	0	0.47	2.35	3.77	6.59
HS200709-ISEA25	ICY STRAIT	ISEA	58.247	136.030	16-Mar-07	16:41	65	00:03	0	1.01	5.73	6.07	12.81
HS200709-ISEA26	STEPHENS PASSAGE	ISEA	58.183	134.392	17-Mar-07	07:05	60	00:01	0	2.49	6.24	11.23	19.96
HS200709-ISEA27	STEPHENS PASSAGE	ISEA	58.122	134.104	17-Mar-07	09:07	150	00:06	0	16.46	37.04	11.06	64.56

Table 5. Zooplankton data from bongo tows collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Station ID	Station Name	Region	Latitude (°N)	Longitude (°W)	Date	Time	Target Depth (m)	Tow Duration	Plankton Weights by Size Faction (g dry / 1000 cu m)				
									8.0mm	1.7mm	1.0mm	0.25mm	Total
HS200709-ISEA28	STEPHENS PASSAGE	ISEA	57.991	133.975	17-Mar-07	10:58	150	00:06	0	12.41	33.26	11.17	56.85
HS200709-ISEA29	STEPHENS PASSAGE	ISEA	57.817	133.827	17-Mar-07	13:09	150	00:06	0	6.55	22.43	8.32	37.3
HS200709-ISEA30	STEPHENS PASSAGE	ISEA	57.503	133.712	17-Mar-07	16:19	150	00:06	0	4.78	1.82	3.19	9.8
HS200709-ISEA31	STEPHENS PASSAGE	ISEA	57.360	133.750	17-Mar-07	18:08	150	00:07	0	4.13	3.56	1.69	9.38
HS200709-ISEA32	FREDERICK SOUND	ISEA	57.141	133.923	18-Mar-07	07:41	80	00:03	0	3.36	0	0	3.36
HS200709-ISEA33	FREDERICK SOUND	ISEA	57.093	133.685	18-Mar-07	09:19	70	00:03	0	2.46	3.08	1.85	7.39
HS200709-ISEA34	FREDERICK SOUND	ISEA	57.063	133.465	18-Mar-07	10:50	70	00:03	0	6.12	1.41	0.94	8.47
HS200709-ISEA35	FREDERICK SOUND	ISEA	57.033	133.216	18-Mar-07	12:26	150	00:07	0	15.77	2.29	2.01	20.07
HS200709-ISEA36	FREDERICK SOUND	ISEA	56.960	133.001	18-Mar-07	14:06	130	00:06	0	14.59	2.63	3.5	20.72
HS200709-ISEA37	FREDERICK SOUND	ISEA	56.846	132.876	18-Mar-07	15:51	150	00:06	0	21.13	18.84	14.77	54.73
HS200709-ISEA38	FREDERICK SOUND	ISEA	56.749	132.696	18-Mar-07	17:44	140	00:06	0	74.45	50.69	38.81	163.95
HS200709-ISEA39	CHATHAM STRAIT	ISEA	57.385	134.725	19-Mar-07	07:13	150	00:06	0	7.02	14.55	3.9	25.47
HS200709-ISEA40	CHATHAM STRAIT	ISEA	57.140	134.682	19-Mar-07	09:43	150	00:06	0	1.53	1.39	2.22	5.14
HS200709-ISEA41	CHATHAM STRAIT	ISEA	56.889	134.648	19-Mar-07	12:20	150	00:07	0	1.26	1.51	2.27	5.04
HS200709-ISEA42	REVILLAGIGEDO CH	ISEA	55.235	131.439	20-Mar-07	09:50	115	00:04	0	2.73	7.86	6.49	17.09
HS200709-ISEA43	REVILLAGIGEDO CH	ISEA	55.163	131.172	20-Mar-07	12:10	145	00:06	0	1.92	3.84	3.29	9.05
HS200709-ISEA44	REVILLAGIGEDO CH	ISEA	55.053	131.130	20-Mar-07	13:47	150	00:07	0	15.23	3.68	2.36	21.27
HS200709-ISEA45	REVILLAGIGEDO CH	ISEA	54.892	131.122	20-Mar-07	15:39	150	00:07	0	6.85	2.2	2.69	11.74
HS200709-DE05	DIXON ENTRANCE - NANKIVELL PT	DE	54.219	132.919	21-Mar-07	07:06	60	00:03	0	0	3.28	4.6	7.88
HS200709-DE04	DIXON ENTRANCE - VIRAGO SOUND	DE	54.153	132.557	21-Mar-07	09:18	60	00:03	0	0	3.48	9.28	12.76
HS200709-DE03	DIXON ENTRANCE - WIAH PT	DE	54.126	132.260	21-Mar-07	11:02	35	00:02	0	0	0	19.4	19.4
HS200709-DE02	DIXON ENTRANCE - MCINTYRE BAY	DE	54.156	132.018	21-Mar-07	13:18	35	00:02	0	0	0	6.07	6.07
HS200709-DE01	DIXON ENTRANCE - ROSE SPIT	DE	54.242	131.697	21-Mar-07	15:12	100	00:04	0	0	1.13	2.55	3.69
HS200709-H06	HECATE ST	HS	52.480	130.490	22-Mar-07	07:15	145	00:08	0	2.33	1.27	2.33	5.92
HS200709-H05	HECATE ST	HS	52.434	130.229	22-Mar-07	09:16	150	00:06	0	1.58	2.28	2.11	5.97
HS200709-H04	HECATE ST	HS	52.374	129.965	22-Mar-07	11:22	150	00:06	0	0	1.62	2.33	3.95
HS200709-H03	HECATE ST	HS	52.322	129.703	22-Mar-07	13:31	150	00:08	0	0.75	1	1.62	3.37
HS200709-H02	HECATE ST	HS	52.266	129.440	22-Mar-07	15:57	150	00:08	0	1.09	1.56	2.34	4.99
HS200709-H01	HECATE ST	HS	52.203	129.174	22-Mar-07	18:07	145	00:07	0	2.23	1.48	2.97	6.68

Table 5. Zooplankton data from bongo tows collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

Station ID	Station Name	Region	Latitude (°N)	Longitude (°W)	Date	Time	Target Depth (m)	Tow Duration	Plankton Weights by Size Faction (g dry / 1000 cu m)				
									8.0mm	1.7mm	1.0mm	0.25mm	Total
HS200709-IBC19	FITZ-HUGH SD - KELPIE PT	IBC	51.730	127.970	23-Mar-07	07:59	150	00:06	0	3.6	3.13	5.01	11.73
HS200709-IBC20	FITZ-HUGH SD - WEDGBOROUGH PT	IBC	51.653	127.932	23-Mar-07	09:31	150	00:07	0	1.07	2.14	3.48	6.69
HS200709-IBC21	FITZ-HUGH SD - TRUMAN PT	IBC	51.577	127.880	23-Mar-07	10:59	150	00:06	0	3.67	5.58	4.94	14.19

Table 6. Coded Wire Tag (CWT) data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

CWT	Fish Number	Species	Recovery Date	Recovery Region	Recovery Fork Length (mm)	Release Area	Release Agency	Hatchery	Brood Year	Date of First Release	Date of Last Release	Age
T041264	HS200709-ISEA12-124-001	CHINOOK	14-Mar-07	ISEA	286	SEAK	SSRA	WHITMAN LAKE	2004	24-May-06	24-May-06	1.1
T041227	HS200709-ISEA23-124-002	CHINOOK	16-Mar-07	ISEA	320	SEAK	DIPC	MACAULAY	2004	12-Jun-06	12-Jun-06	1.1
T633172	HS200709-IVI03-124-004	CHINOOK	01-Mar-07	IVI	262	NOOK	WDFW	KENDALL CR HATCHERY	2005	08-May-06	22-May-06	0.1
T633285	HS200709-IVI03-124-007	CHINOOK	01-Mar-07	IVI	280	MPS	SUQ	GROVERS CR HATCHERY	2005	02-Jun-06	05-Jun-06	0.1
T633286	HS200709-IVI03-124-001	CHINOOK	01-Mar-07	IVI	294	SPS	NISQ	NISQUALLY HATCHERY	2005	15-Aug-06	15-Aug-06	0.1
T632876	HS200709-IVI22-124-031	CHINOOK	06-Mar-07	IVI	465	STIL	WDFW	WALLACE R HATCHERY	2004	01-Apr-06	06-Apr-06	1.1
T210682	HS200709-JF05-124-023	CHINOOK	28-Feb-07	JF	277	MPS	SUQ	GROVERS CR HATCHERY	2005	02-Jun-06	05-Jun-06	0.1
T633172	HS200709-JF05-124-016	CHINOOK	28-Feb-07	JF	262	NOOK	WDFW	KENDALL CR HATCHERY	2005	08-May-06	22-May-06	0.1
T633285	HS200709-JF04-124-002	CHINOOK	28-Feb-07	JF	285	MPS	SUQ	GROVERS CR HATCHERY	2005	02-Jun-06	05-Jun-06	0.1
T633365	HS200709-JF02-124-001	CHINOOK	28-Feb-07	JF	244	HOOD	WDFW	GEORGE ADAMS HATCHRY	2005	16-May-06	16-May-06	0.1
T633382	HS200709-JF05-124-010	CHINOOK	28-Feb-07	JF	249	HOOD	WDFW	HOODSPORT HATCHERY	2005	01-Jun-06	01-Jun-06	0.1
T210571	HS200709-VI01-124-007	CHINOOK	28-Feb-07	VI	267	STIL	TULA	BERNIE GOBIN HATCH	2005	04-May-06	17-May-06	0.1
T633369	HS200709-VI01-124-008	CHINOOK	28-Feb-07	VI	290	NOOK	WDFW	SAMISH HATCHERY	2005	11-May-06	11-May-06	0.1
T210683	HS200709-EP03-124-002	CHINOOK	03-Mar-07	VI	247	NWC	QDNR	QUINAULT LK HATCHERY	2005	11-Aug-06	17-Aug-06	0.1
T633369	HS200709-EP01-124-006	CHINOOK	03-Mar-07	VI	314	NOOK	WDFW	SAMISH HATCHERY	2005	11-May-06	11-May-06	0.1
T052768	HS200709-JF03-115-109	COHO	28-Feb-07	JF	386	HOOD	FWS	QUILCENE NFH	2004	27-Apr-06	03-May-06	1.1
T052770	HS200709-JF05-115-006	COHO	28-Feb-07	JF	401	HOOD	FWS	QUILCENE NFH	2004	27-Apr-06	03-May-06	1.1
T185218	HS200709-JF04-115-011	COHO	28-Feb-07	JF	322	FRTH	CDFO	H-INCH CR	2004	08-May-06	10-May-06	1.1
T210636	HS200709-JF03-115-163	COHO	28-Feb-07	JF	391	MPS	MUCK	CRISP CR REARING PON	2004	04-May-06	09-May-06	1.1
T632288	HS200709-JF03-115-012	COHO	28-Feb-07	JF	470	WILP	WDFW	NASELLE HATCHERY	2004	15-Apr-06	15-Apr-06	1.1
T633068	HS200709-JF03-115-054	COHO	28-Feb-07	JF	328	MPS	PUYA	COWSKULL ACCLIM POND	2004	30-May-06	30-May-06	1.1
T633068	HS200709-JF03-115-166	COHO	28-Feb-07	JF	336	MPS	PUYA	COWSKULL ACCLIM POND	2004	30-May-06	30-May-06	1.1
T633098	HS200709-JF01-115-005	COHO	28-Feb-07	JF	318	MPS	WDFW	VOIGHTS CR HATCHERY	2004	18-Apr-06	20-Apr-06	1.1
T633264	HS200709-JF03-115-107	COHO	28-Feb-07	JF	420	STIL	WDFW	GEORGE ADAMS HATCHERY	2004	14-Apr-06	14-Apr-06	1.1
T633268	HS200709-JF03-115-061	COHO	28-Feb-07	JF	372	CECR	YAKA	KLICKITAT HATCHERY (YKFP)	2004	08-May-06	12-May-06	1.1
T052771	HS200709-VI01-115-006	COHO	28-Feb-07	VI	366	HOOD	SKOK	QUILCENE BAY SEA PENS	2004	10-May-06	10-May-06	1.1
T633188	HS200709-VI01-115-015	COHO	28-Feb-07	VI	381	NWC	WDFW	SOLDUC HATCHERY	2004	15-Apr-06	15-Apr-06	1.1

Table 6. Coded Wire Tag (CWT) data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

CWT	Fish Number	Species	Recovery Date	Recovery Region	Recovery Fork Length (mm)	Release Area	Release Agency	Hatchery	Brood Year	Date of First Release	Date of Last Release	Age
T633266	HS200709-VI01-115-011	COHO	28-Feb-07	VI	384	STIL	WDFW	WALLACE R HATCHERY	2004	01-May-06	01-May-06	1.1
T633269	HS200709-VI01-115-002	COHO	28-Feb-07	VI	389	MPS	WDFW		2004	20-Apr-06	20-Apr-06	1.1

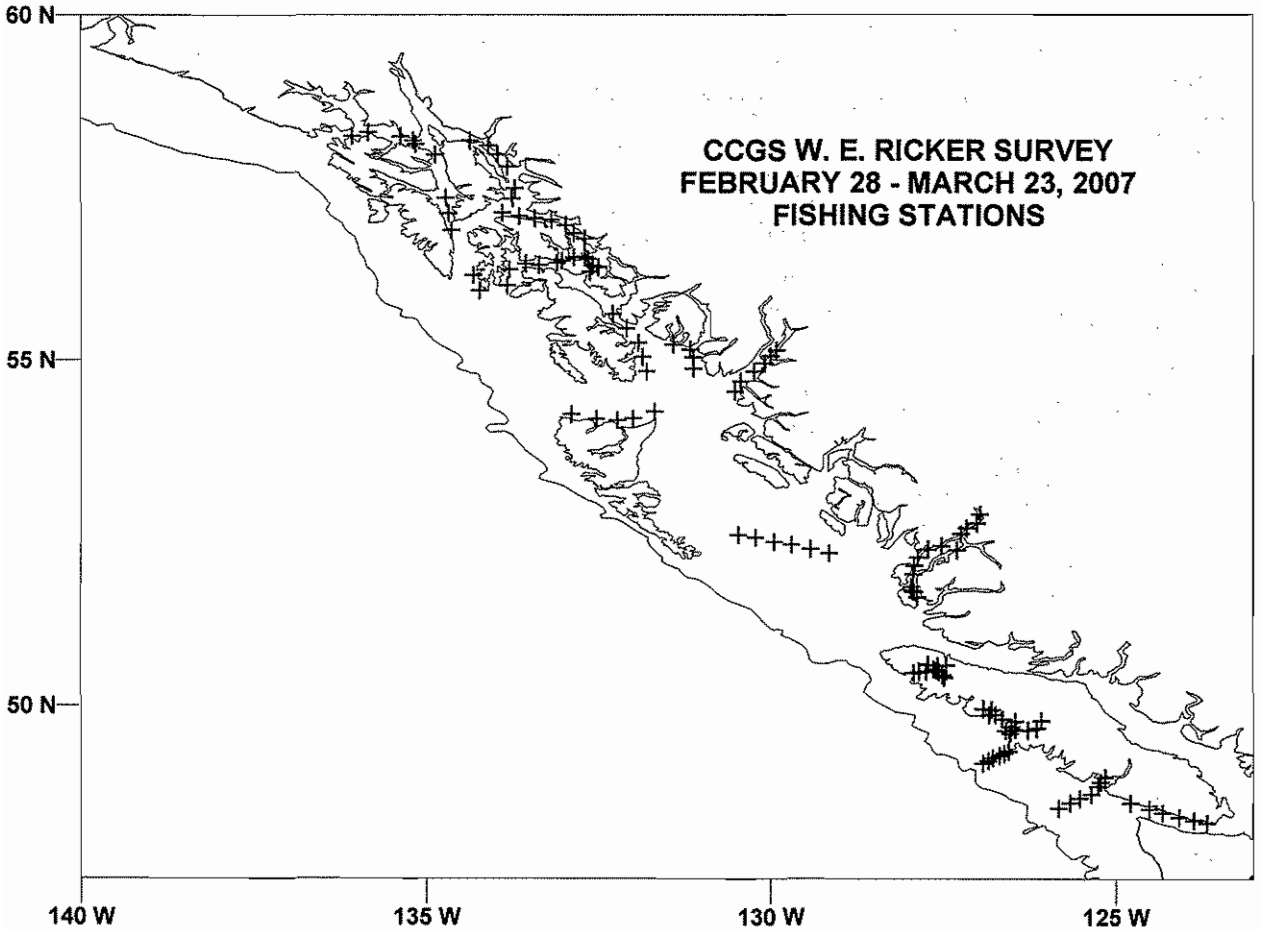

Figure 1. Fishing stations on the *CCGS W.E. Ricker* survey to the Gulf of Alaska, 28/02/2007- 23/03/2007.

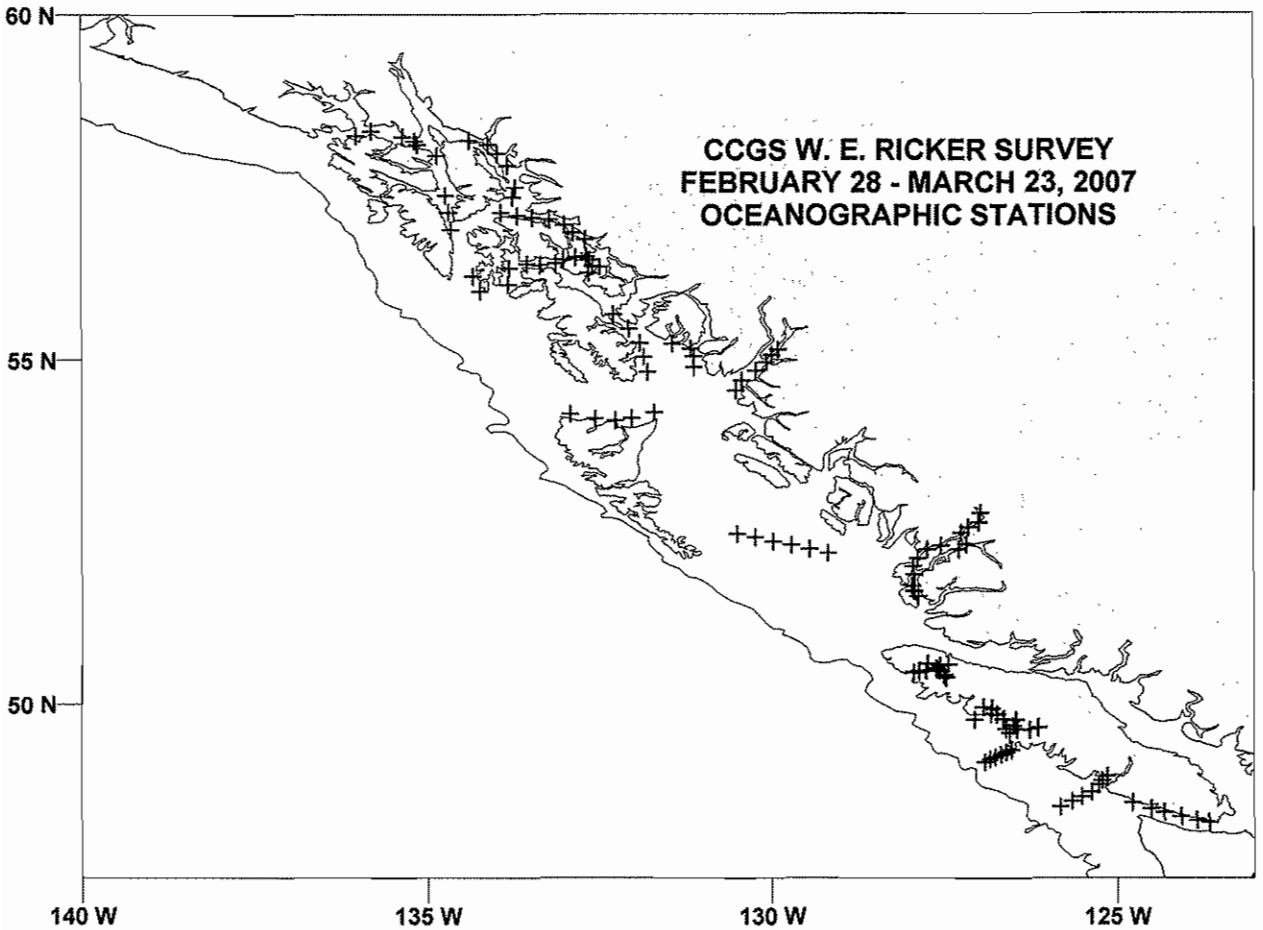

Figure 2. Oceanographic stations on the *CCGS W.E. Ricker* survey to the Gulf of Alaska, 28/02/2007 – 23/03/2007.

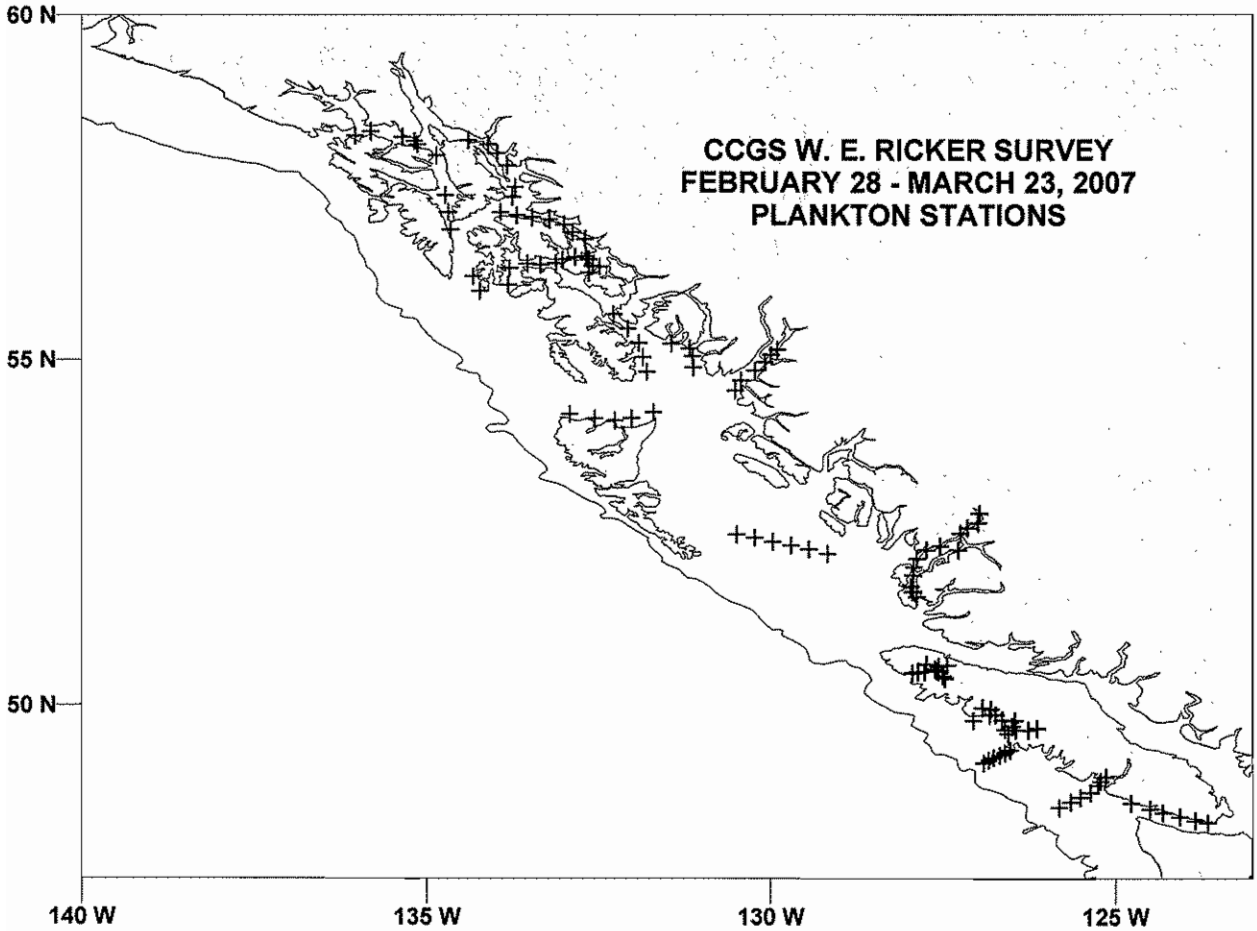

Figure 3. Plankton stations on the *CCGS W.E. Ricker* survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

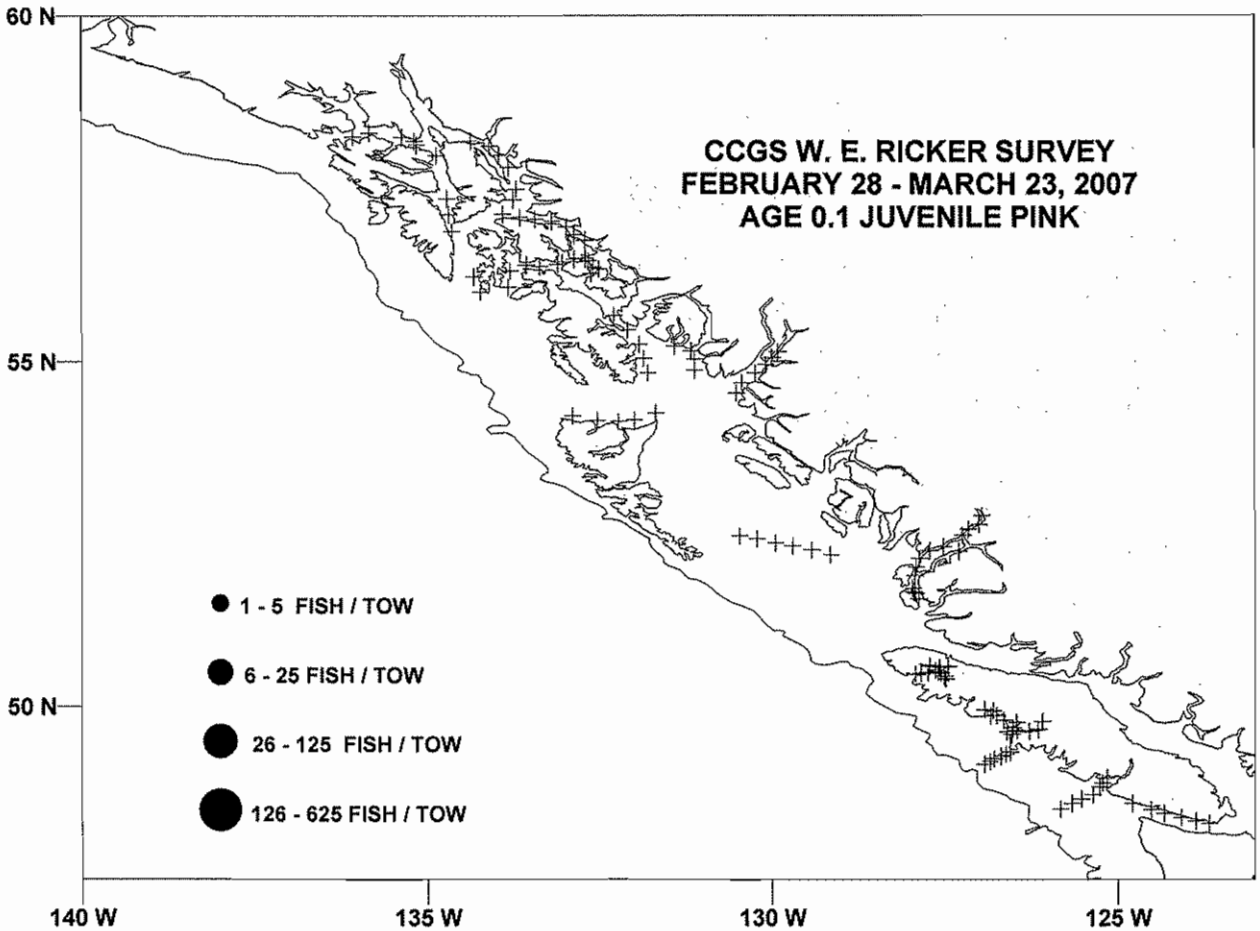

Figure 4. Distribution of age 0.1 juvenile pink salmon catches on the *CCGS W.E. Ricker* survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

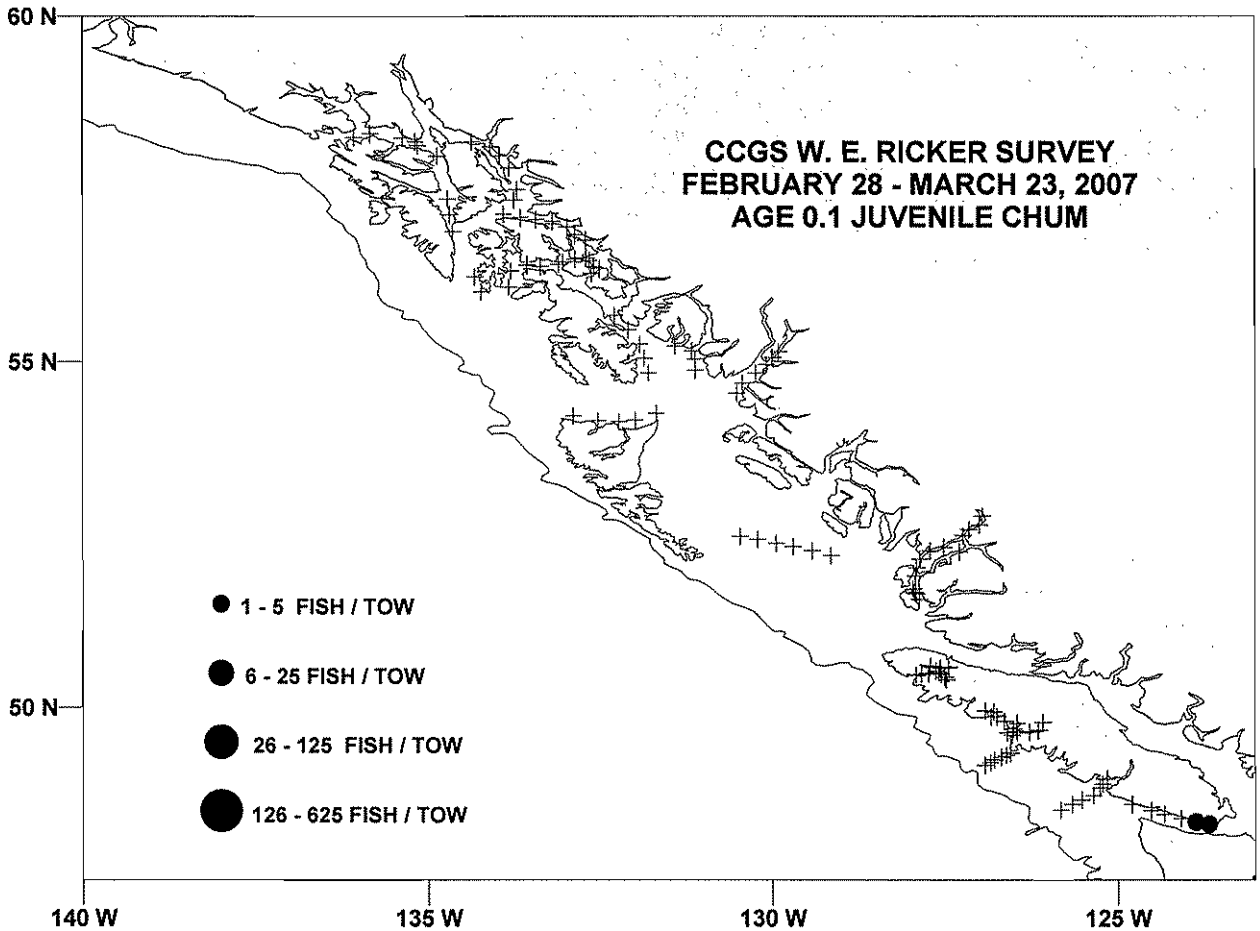

Figure 5. Distribution of age 0.1 juvenile chum salmon catches on the *CCGS W.E. Ricker* survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007. Symbol size (●) is proportional to catch per tow; zero catches are shown by a (+)

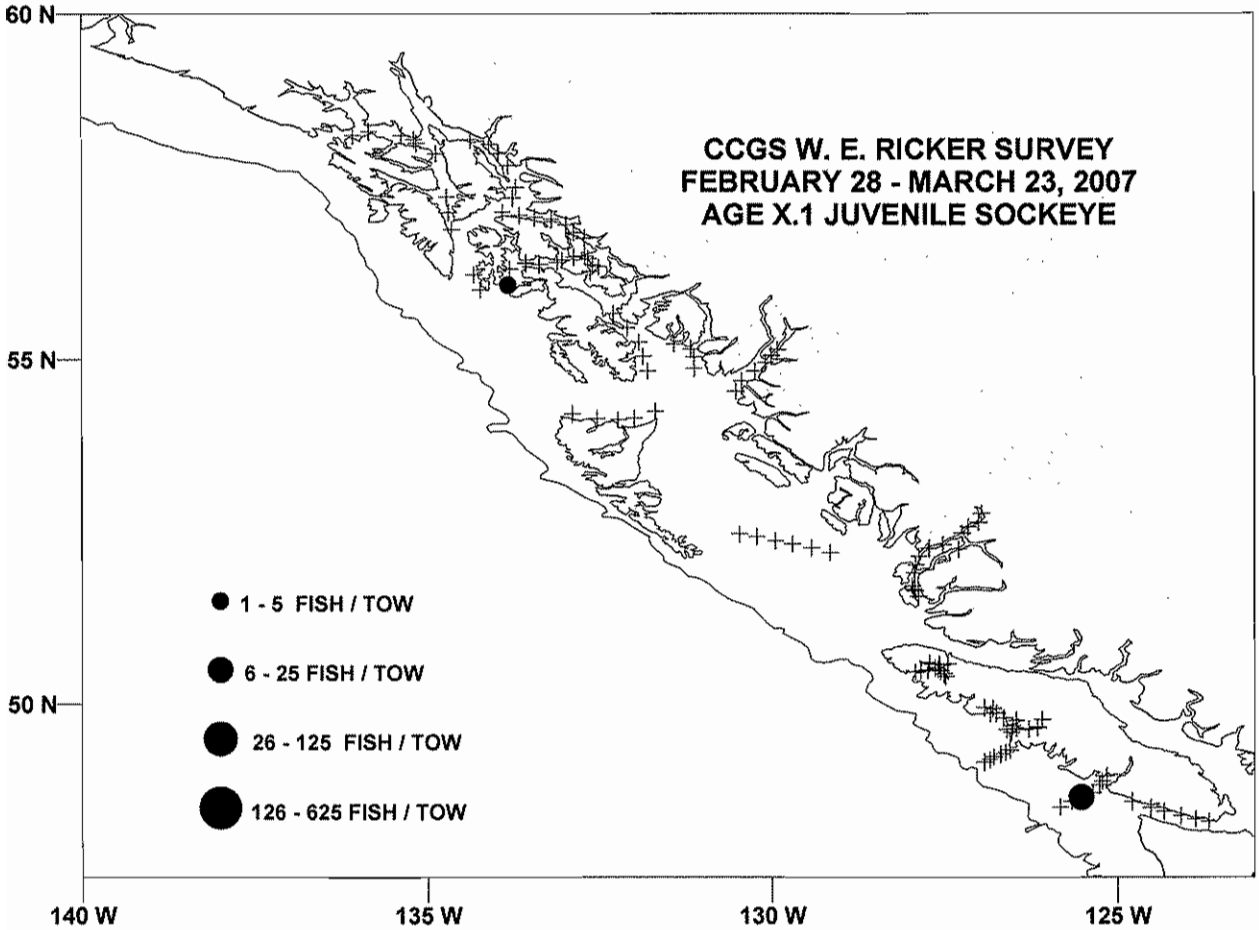

Figure 6. Distribution of age X.1 juvenile sockeye salmon catches on the *CCGS W.E. Ricker* survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

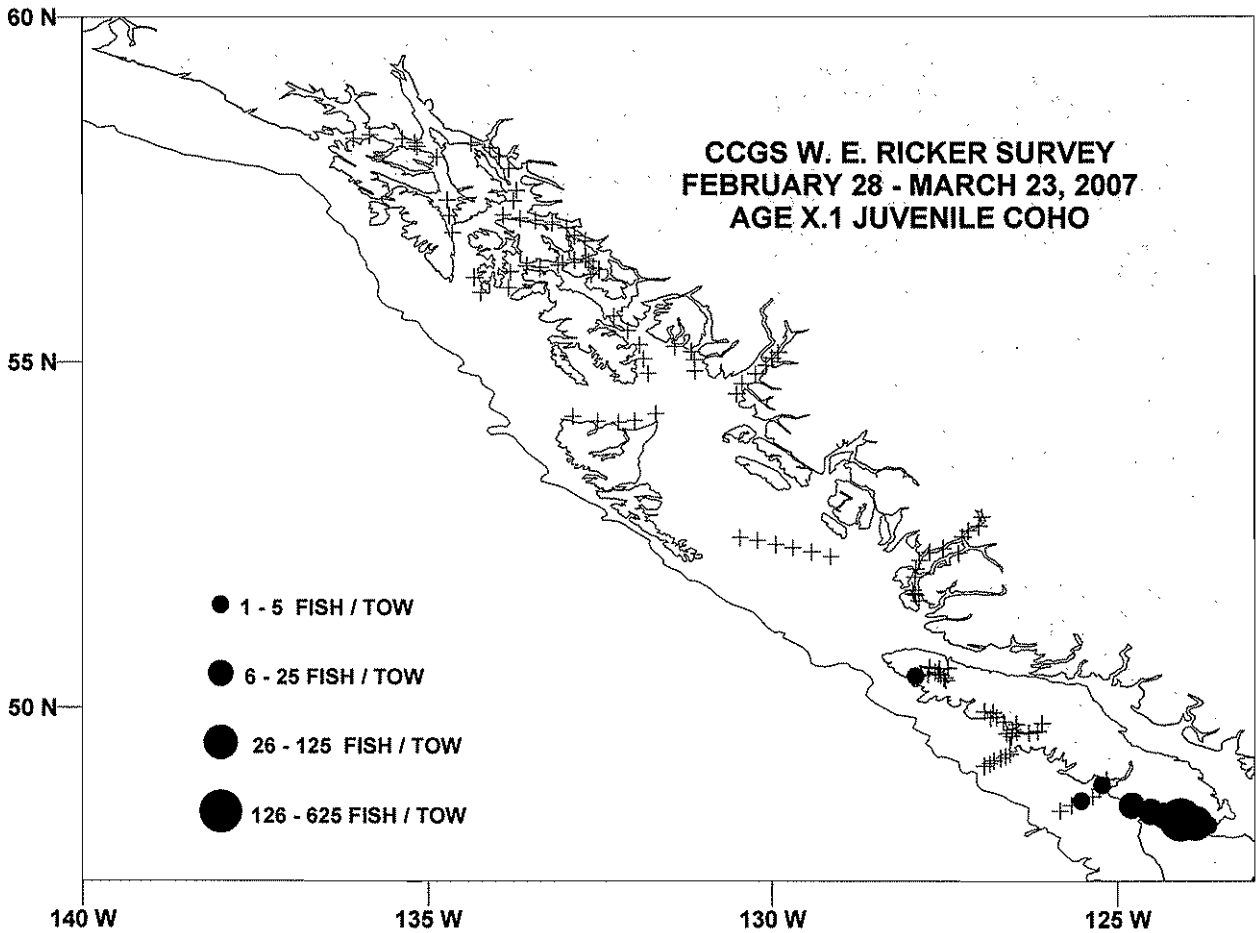

Figure 7. Distribution of age X.1 juvenile coho salmon catches on the *CCGS W.E. Ricker* survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007. Symbol size (●) is proportional to catch per tow; zero catches are shown by a (+).

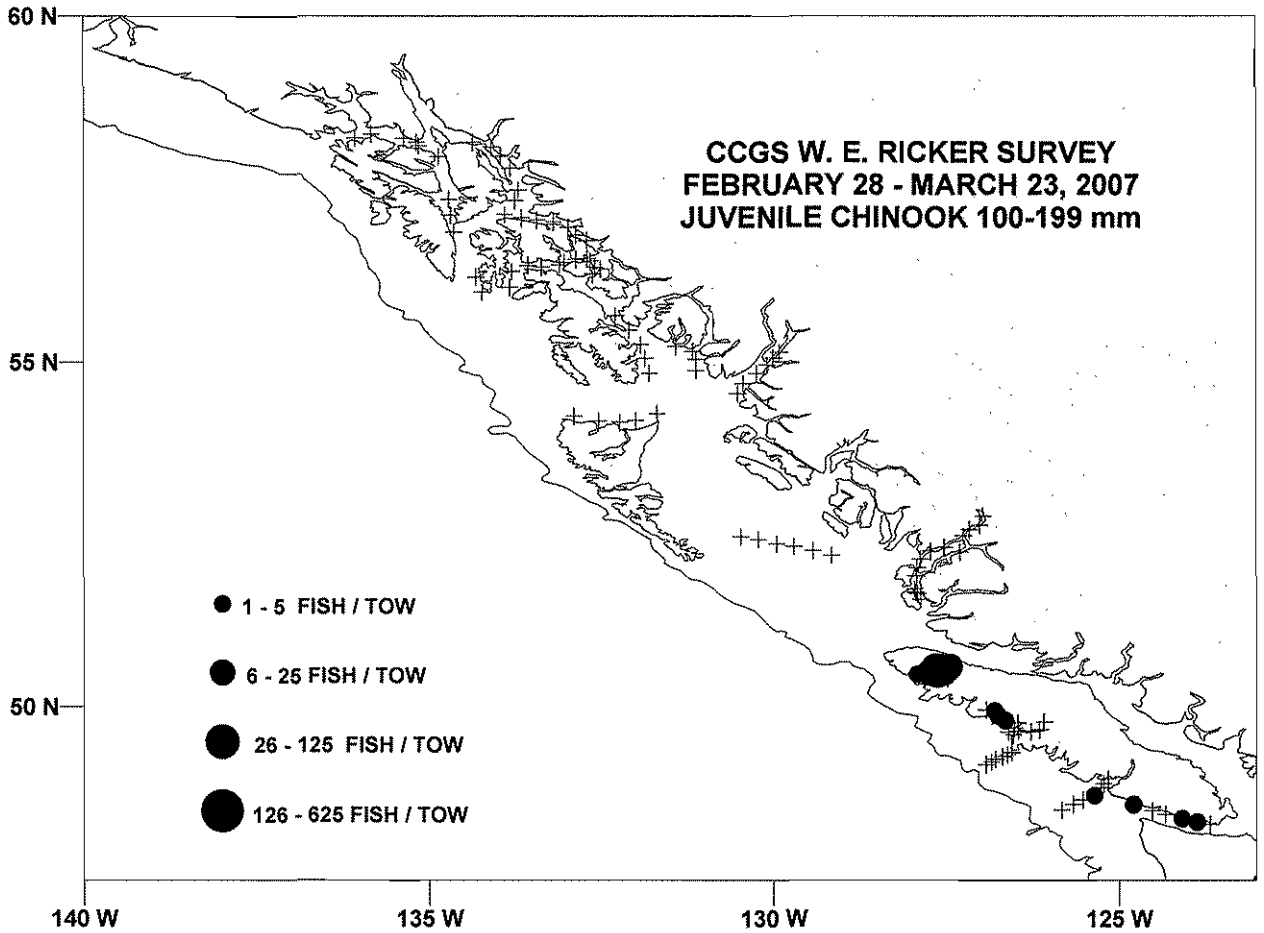

Figure 8. Distribution of catches of juvenile chinook salmon from 100 to 199 mm on the *CCGS W.E. Ricker* survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

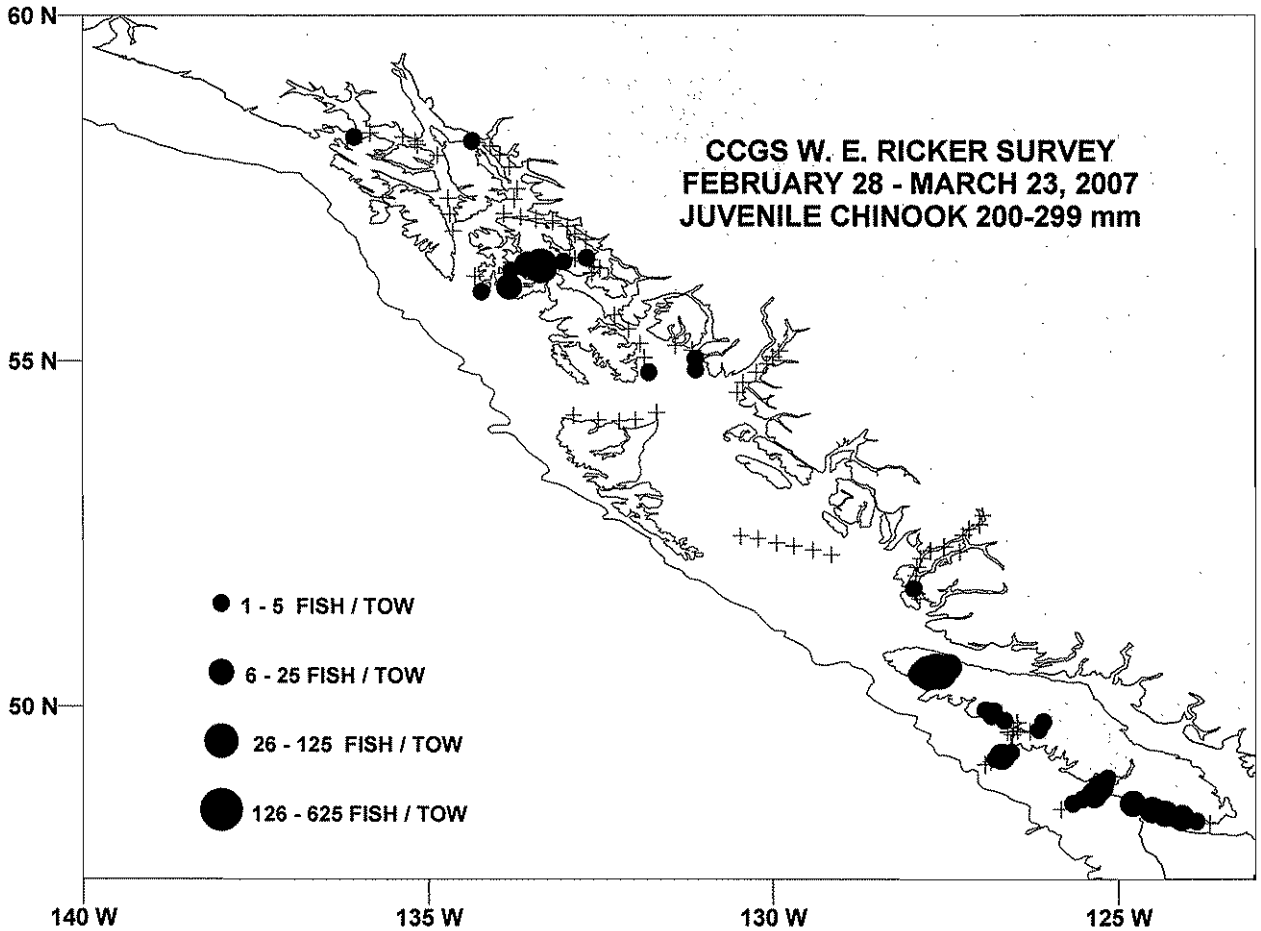

Figure 9. Distribution of catches of juvenile chinook salmon from 200 to 299 mm on the *CCGS W.E. Ricker* survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007. Symbol size (●) is proportional to catch per tow; zero catches are shown by a (+).

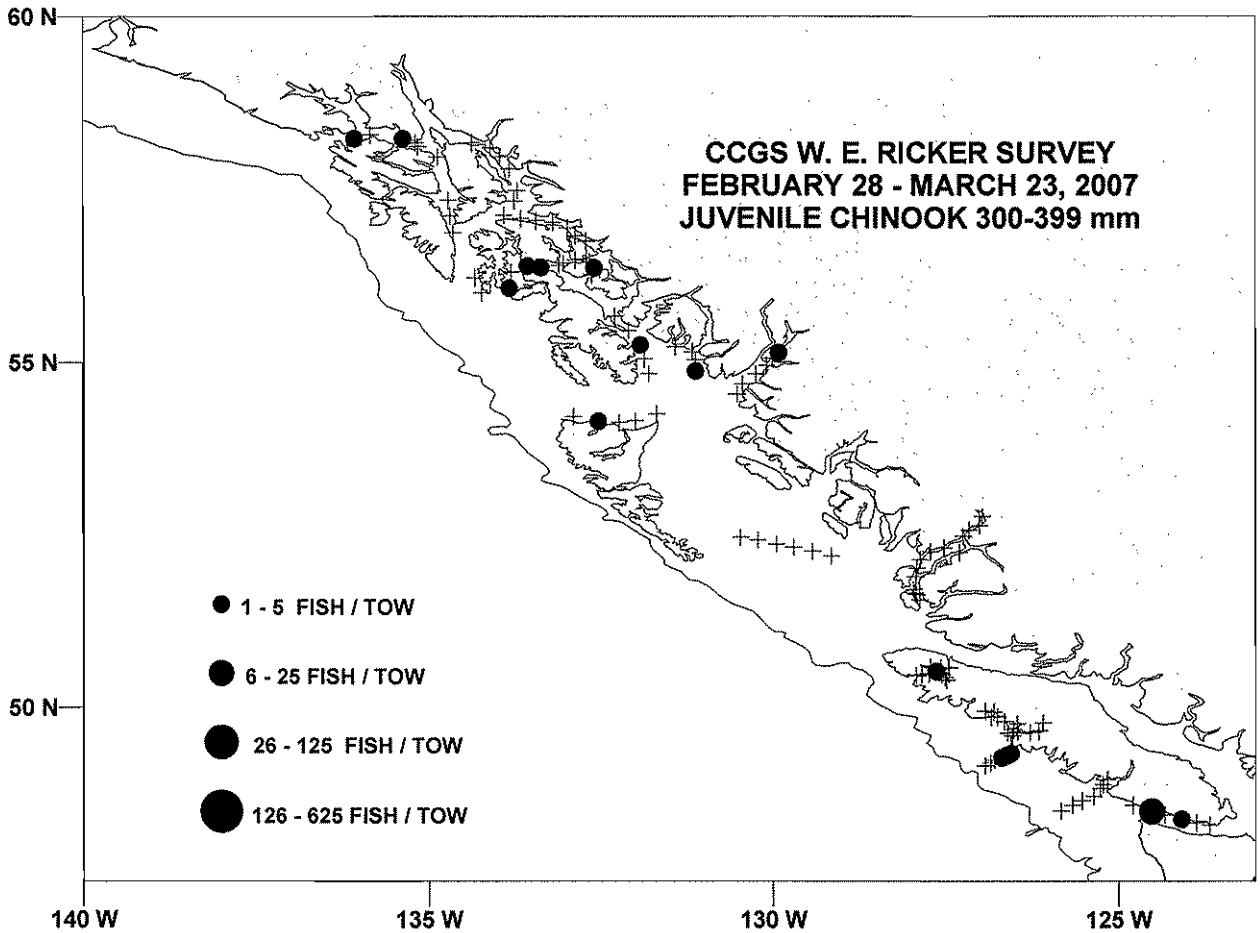

Figure 10. Distribution of catches of juvenile chinook salmon from 300 to 399 mm on the *CCGS W.E. Ricker* survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

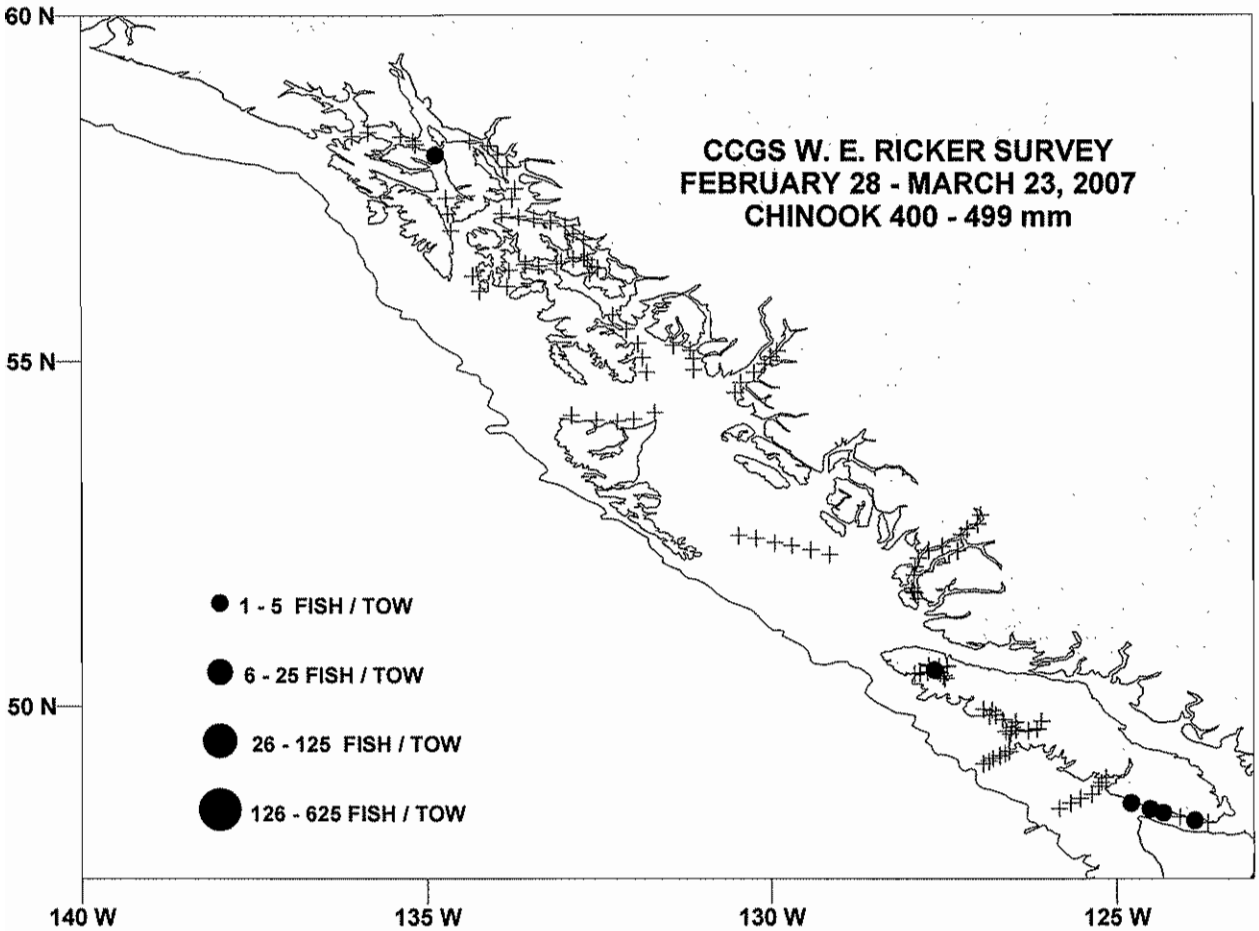

Figure 11. Distribution of catches of chinook salmon from 400 to 499 mm on the *CCGS W.E. Ricker* survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

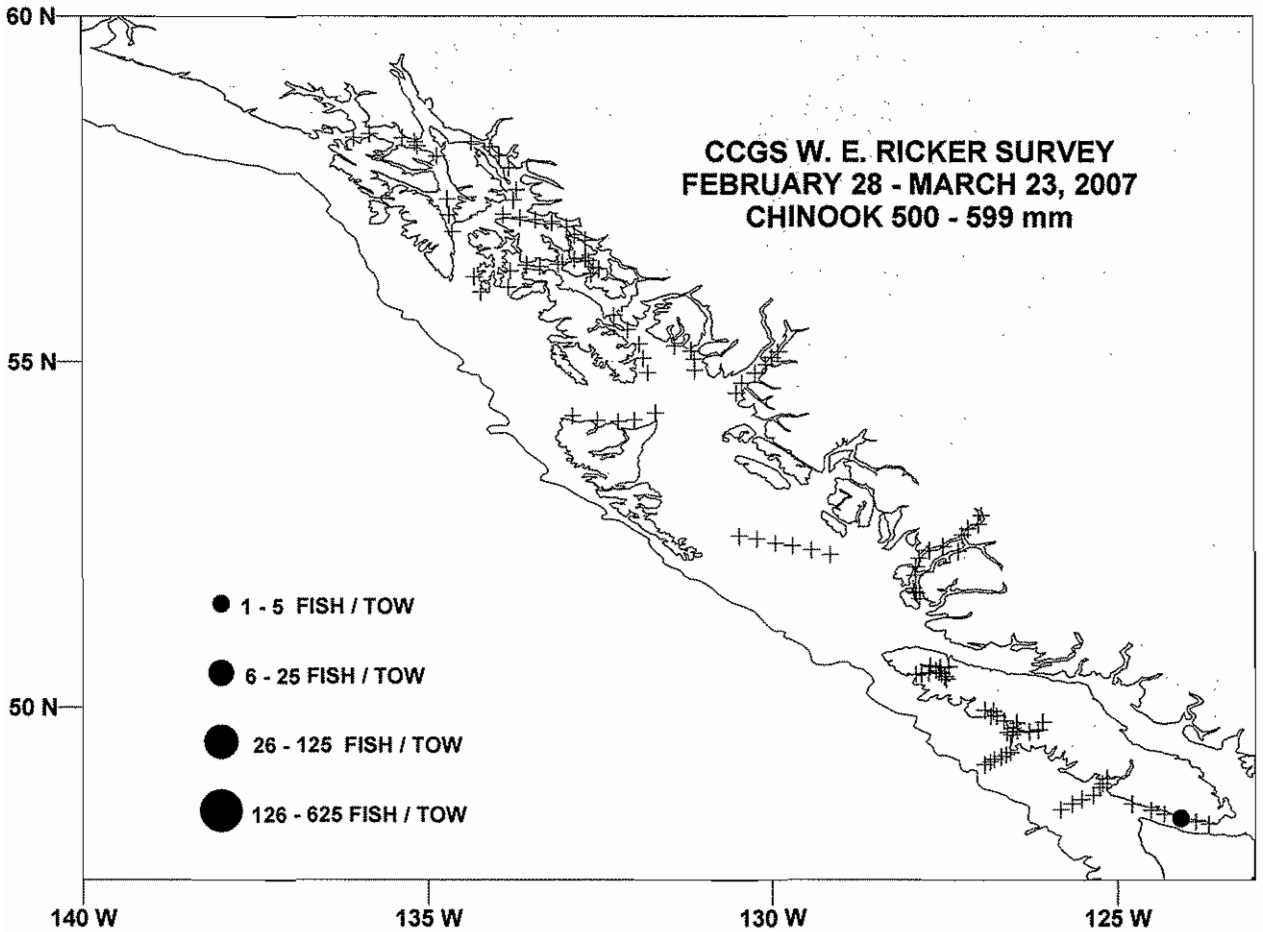

Figure 12. Distribution of catches of chinook salmon from 500 to 599 mm on the *CCGS W.E. Ricker* survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

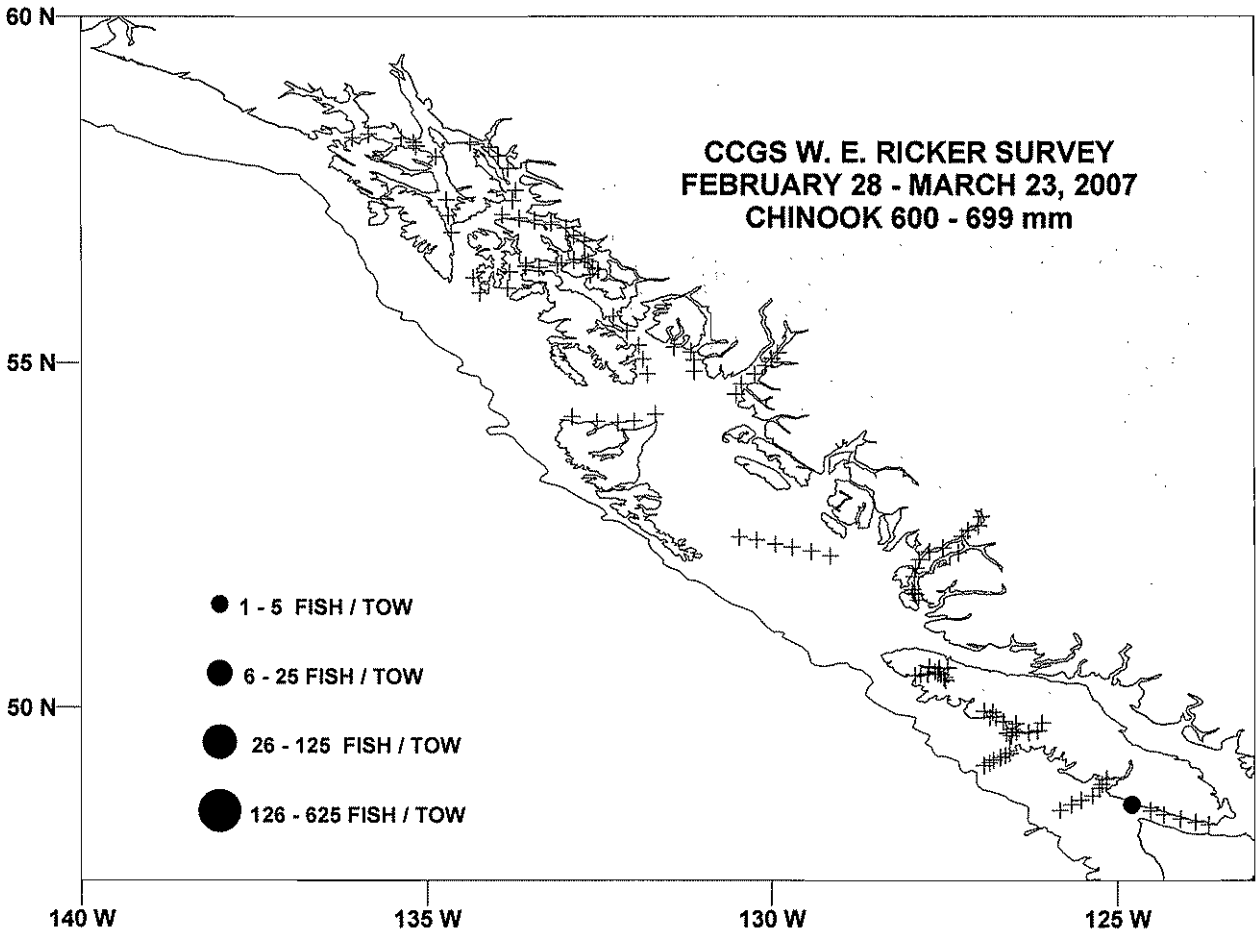

Figure 13. Distribution of catches of chinook salmon from 600 to 699 mm on the *CCGS W.E. Ricker* survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

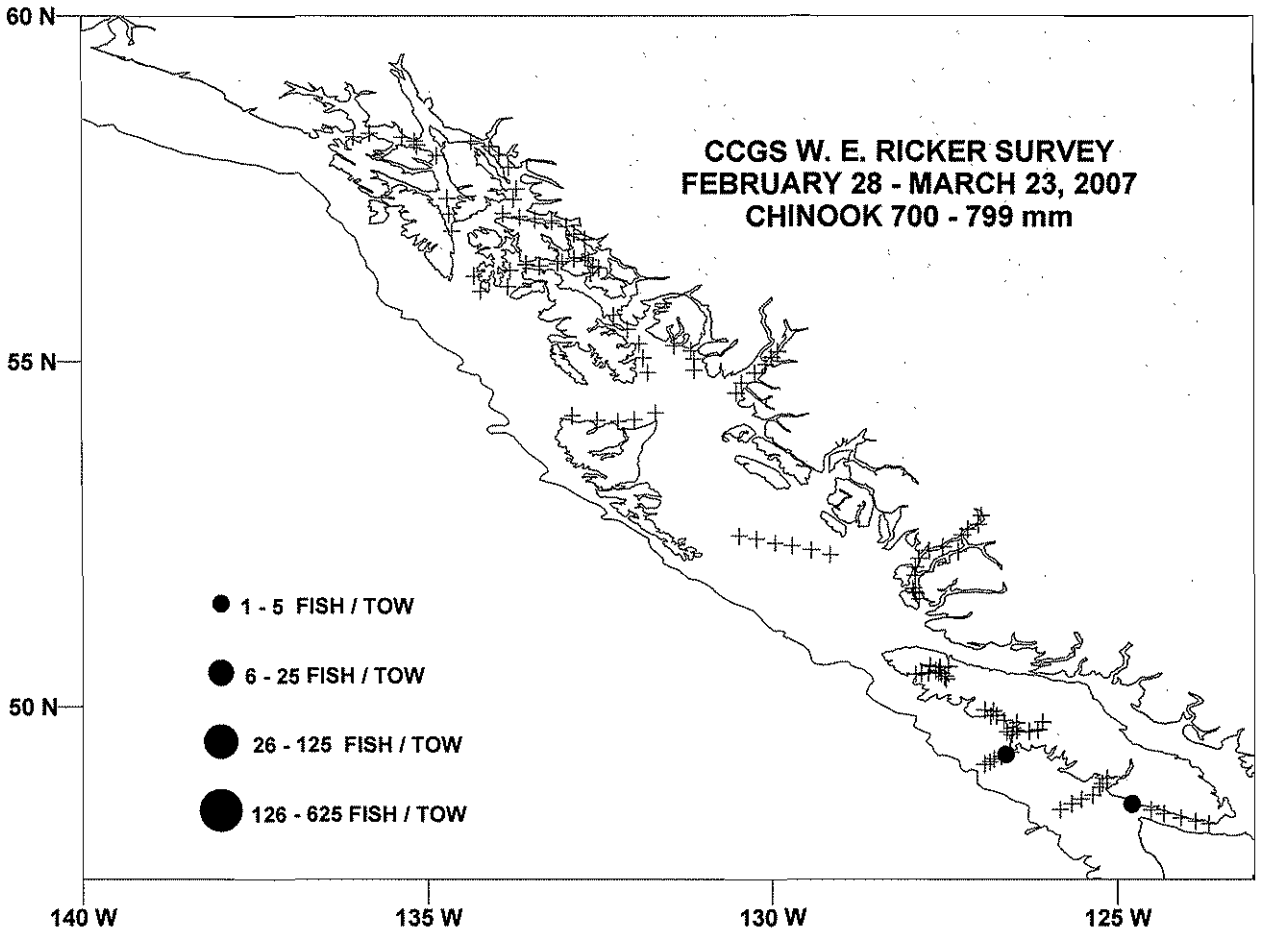

Figure 14. Distribution of catches of chinook salmon from 700 to 799 mm on the *CCGS W.E. Ricker* survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

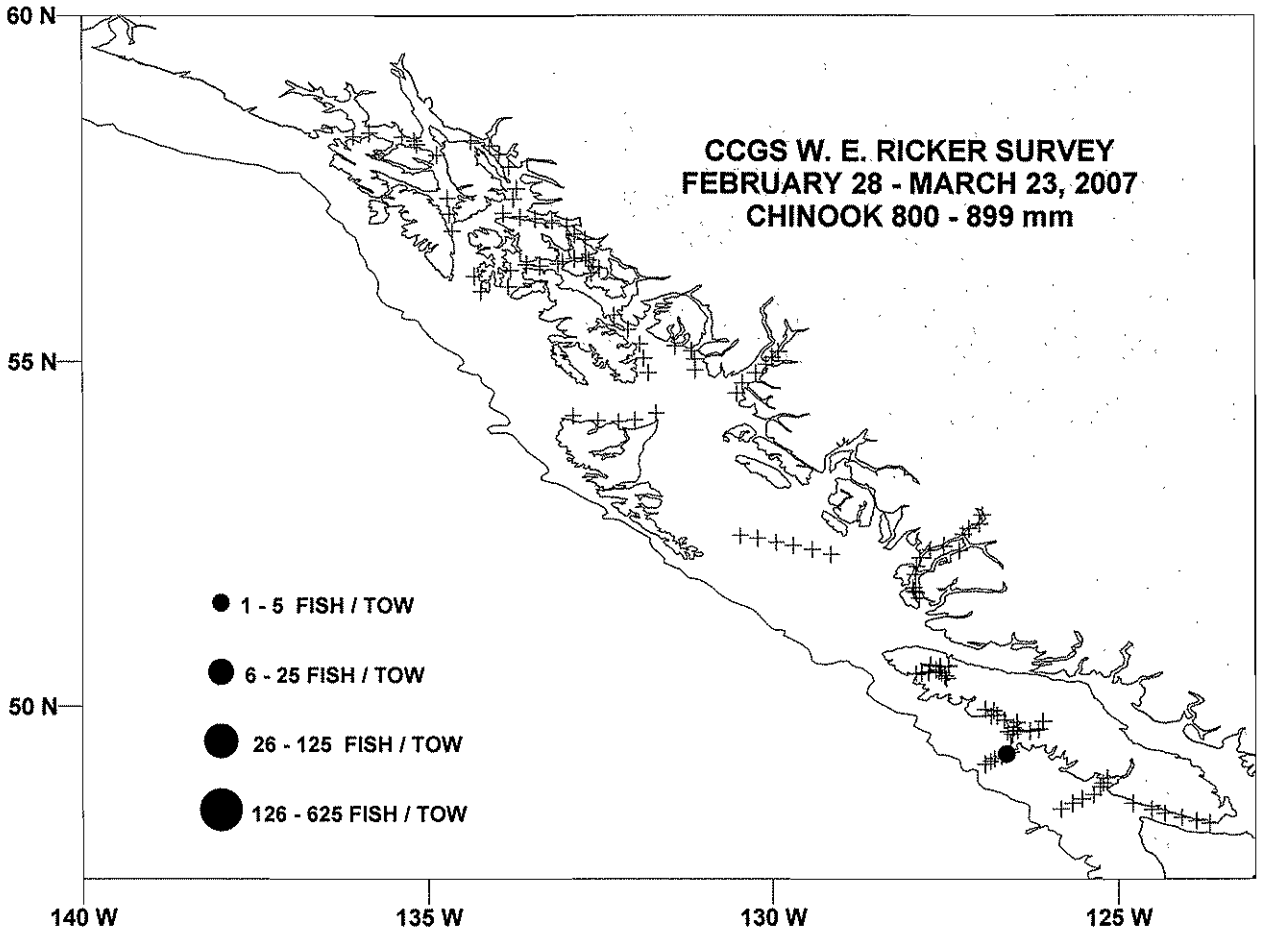

Figure 15. Distribution of catches of chinook salmon from 800 to 899 mm on the *CCGS W.E. Ricker* survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

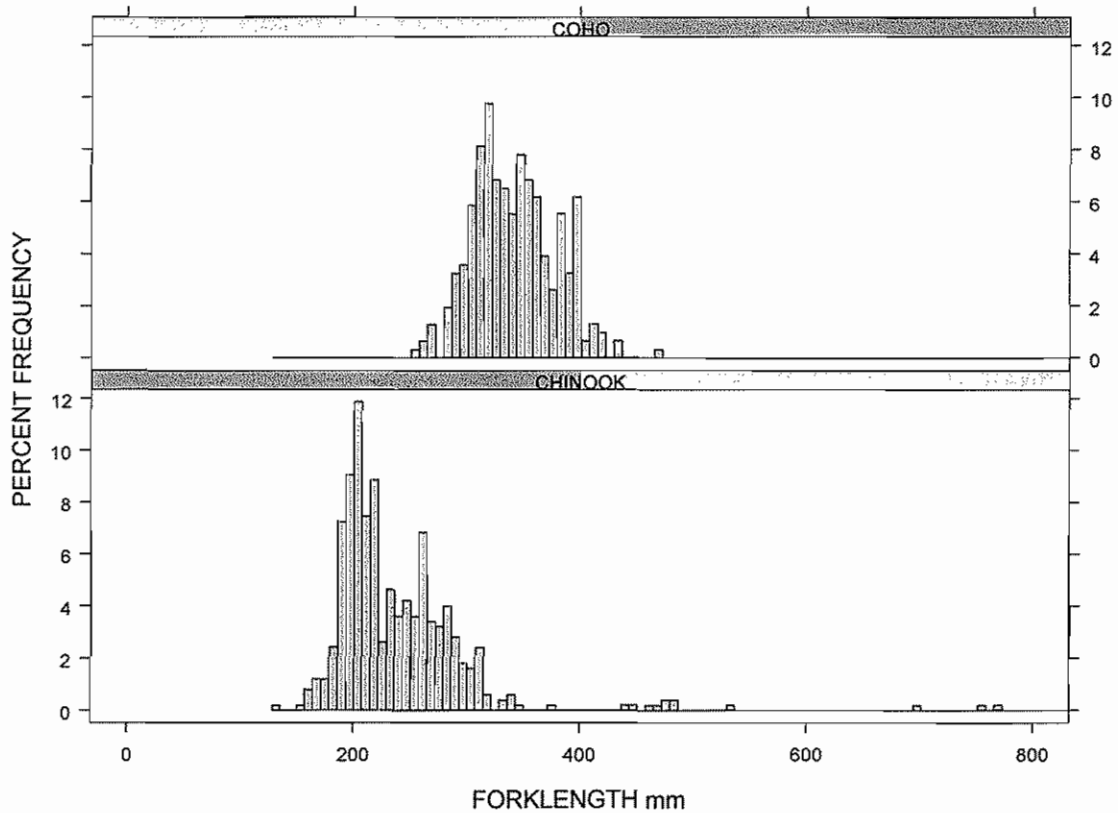

Figure 16. Size distribution (fork length; mm) of chinook and coho salmon caught on the *CCGS W.E. Ricker* survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.

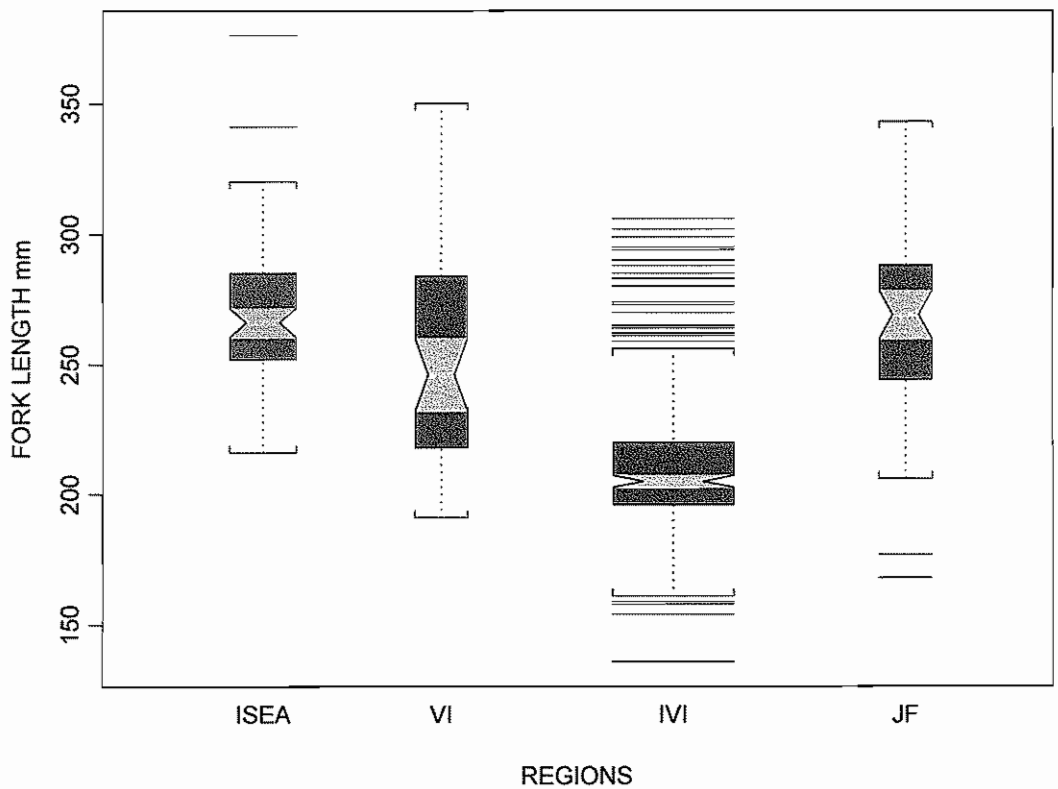

Figure 17. Boxplots of size distributions by region for juvenile chinook salmon less than 400 mm in fork length on the *CCGS W.E. Ricker* survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007. Boxplots for each region are displayed along a latitudinal gradient that runs along the x-axis with the most northern region on the left.

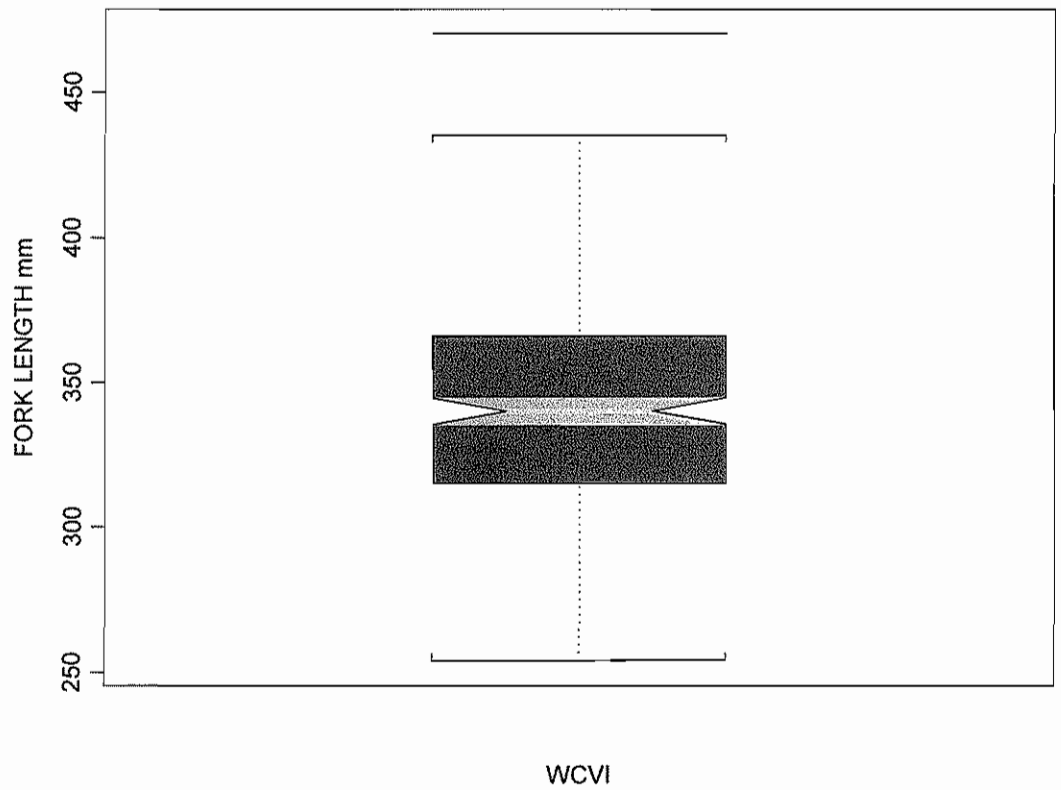

Figure 18. Boxplot of the size distribution of juvenile coho salmon on the west coast of Vancouver Island on the *CCGS W.E. Ricker* survey to the Gulf of Alaska, 28/02/2007 - 23/03/2007.