

# Biological Results of the Howe Sound Juvenile Salmon Trawl Surveys conducted April to August 2017

T.B. Zubkowski and J.R. King

Fisheries and Oceans Canada  
Science Branch, Pacific Region  
Pacific Biological Station  
Nanaimo, British Columbia  
V9T 6N7

2019

Canadian Data Report of  
Fisheries and Aquatic Sciences 1295



## **Canadian Data Report of Fisheries and Aquatic Sciences**

Data reports provide a medium for filing and archiving data compilations where little or no analysis is included. Such compilations commonly will have been prepared in support of other journal publications or reports. The subject matter of the series reflects the broad interests and policies of Fisheries and Oceans Canada, namely, fisheries management, technology and development, ocean sciences, and aquatic environments relevant to Canada.

Data reports are not intended for general distribution and the contents must not be referred to in other publications without prior written clearance from the issuing establishment. The correct citation appears above the abstract of each report. Each report is abstracted in the data base *Aquatic Sciences and Fisheries Abstracts*.

Data reports are produced regionally but are numbered nationally. Requests for individual reports will be filled by the issuing establishment listed on the front cover and title page.

Numbers 1-25 in this series were issued as Fisheries and Marine Service Data Records. Numbers 26-160 were issued as Department of Fisheries and Environment, Fisheries and Marine Service Data Reports. The current series name was changed with report number 161.

## **Rapport statistique canadien des sciences halieutiques et aquatiques**

Les rapports statistiques servent de base à la compilation des données de classement et d'archives pour lesquelles il y a peu ou point d'analyse. Cette compilation aura d'ordinaire été préparée pour appuyer d'autres publications ou rapports. Les sujets des rapports statistiques reflètent la vaste gamme des intérêts et politiques de Pêches et Océans Canada, notamment la gestion des pêches, la technologie et le développement, les sciences océaniques et l'environnement aquatique, au Canada.

Les rapports statistiques ne sont pas préparés pour une vaste distribution et leur contenu ne doit pas être mentionné dans une publication sans autorisation écrite préalable de l'établissement auteur. Le titre exact figure au haut du résumé de chaque rapport. Les rapports à l'industrie sont résumés dans la base de données *Résumés des sciences aquatiques et halieutiques*.

Les rapports statistiques sont produits à l'échelon régional, mais numérotés à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement d'origine dont le nom figure sur la couverture et la page du titre.

Les numéros 1 à 25 de cette série ont été publiés à titre de Records statistiques, Service des pêches et de la mer. Les numéros 26-160 ont été publiés à titre de Rapports statistiques du Service des pêches et de la mer, ministère des Pêches et de l'Environnement. Le nom de la série a été modifié à partir du numéro 161.

**Canadian Data Report of  
Fisheries and Aquatic Sciences 1295**

**2019**

**Biological Results of the Howe Sound Juvenile Salmon Trawl Surveys conducted  
April to August 2017**

**By**

**T.B. Zubkowski and J.R. King**

**Fisheries and Oceans Canada  
Science Branch, Pacific Region  
Pacific Biological Station  
Nanaimo, British Columbia  
V9T 6N7**

© Her Majesty the Queen in Right of Canada, 2019.

Cat. No. Fs97-13/1295E-PDF ISBN 978-0-660-30535-6 ISSN 1488-5395

Correct citation for this publication:

Zubkowski, T.B., and King, J.R. 2019. Biological Results of the Howe Sound Juvenile Salmon Trawl Surveys conducted April to August 2017. Can. Data Rep. Fish. Aquat. Sci. 1295: v + 49 p.

## TABLE OF CONTENTS

TABLE OF CONTENTS .....	iii
ABSTRACT .....	iv
RÉSUMÉ .....	v
INTRODUCTION .....	1
MATERIALS AND METHODS .....	1
RESULTS .....	2
April .....	2
May .....	2
June .....	2
July .....	3
August .....	3
Length Frequencies .....	3
ACKNOWLEDGEMENTS .....	3
TABLES .....	4
FIGURES .....	16
APPENDIX: INDIVIDUAL CATCH DATA .....	26

## ABSTRACT

Zubkowski, T.B., and King, J.R. 2019. Biological Results of the Howe Sound Juvenile Salmon Trawl Surveys conducted April to August 2017. Can. Data Rep. Fish. Aquat. Sci. 1295: v + 49 p.

From April 17-21, May 16-20, June 21-25, July 17-21, and August 22-26, 2017, juvenile salmon trawl surveys were conducted in Howe Sound aboard the *CCGS Neocaligus*. Fishing occurred at pre-determined locations and were repeated during each survey. Four depth strata were sampled during these surveys: surface, 10 m, 20 m, and 30 m headline depths. All juvenile salmon caught were measured and a subsample of 15 specimens per species were collected for later biological sampling including DNA, isotope analysis, tissue, and coded wire tags, when applicable. All non-target species were enumerated and recorded. Temperature at net headline depth was recorded at each fishing location and zooplankton sampling was conducted at pre-determined locations and repeated each survey.

The most numerous species was either anchovy (*Engraulis mordax mordax*), threespine stickleback (*Gasterosteus aculeatus*), or Pacific herring (*Clupea harengus pallasii*), depending on the survey month. There were no juvenile salmon caught in April and few juvenile salmon caught until July and August. The most abundance juvenile salmon were sockeye (*Oncorhynchus nerka*; max 491 in August) and chinook (*Oncorhynchus tshawytscha*; max 447 in July). Juvenile chum (*Oncorhynchus keta*; max 41 in August), coho (*Oncorhynchus kisutch*; max 4 in June and July), and pink (*Oncorhynchus gorbuscha*; max 1 in June and August) were caught in lesser numbers. Juvenile chinook and sockeye fork lengths showed an increase between the July and August surveys. Juvenile chum had larger fork lengths than other salmon species, but also showed an increase in size between the July and August 2017 surveys.

## RÉSUMÉ

Zubkowski, T.B., and King, J.R. 2019. Biological Results of the Howe Sound Juvenile Salmon Trawl Surveys conducted April to August 2017. Can. Data Rep. Fish. Aquat. Sci. 1295: v + 49 p.

Des relevés de saumons juvéniles ont été effectués à bord du CCGS Neocaligus avec un chalut dans la baie Howe le 17-21 avril, 16-20 mai, 21-25 juin, 17-21 juillet, 22-26 2017. La pêche a eu lieu à des endroits prédéterminés et a été répétée à chaque relevé. Quatre couches de profondeur ont été échantillonnées au cours de ces levés: à la surface, et à une profondeur de 10 m, 20 m et 30 m. Tous les saumons juvéniles capturés ont été mesurés et un sous-échantillon de 15 spécimens par espèce a été collecté pour l'échantillonnage biologique ultérieur lorsque c'était possible, y compris l'ADN, l'analyse isotopique, des tissus, et des étiquettes codées. Toutes les espèces non ciblées ont été dénombrées et enregistrées. La température à ligne de tête de filet de pêche été enregistrée à chaque site de pêche et un échantillonnage de zooplancton a été réalisé à des emplacements prédéterminés et répété à chaque enquête.

Les espèces les plus nombreuses étaient l'anchois (*Engraulis mordax mordax*), l'épinoche à trois épines (*Gasterosteus aculeatus*) ou le hareng du Pacifique (*Clupea harengus pallasii*), selon le mois de la campagne d'échantillonnage. Aucun saumon juvénile n'a été capturé en avril, et peu ont été récolté jusqu'en juillet et août. Les saumons juvéniles les plus abondants étaient le saumon rouge (*Oncorhynchus nerka*; max 491 en août) et le saumon quinnat (*Oncorhynchus tshawytscha*; max 447 en juillet). Les saumons kétas (*Oncorhynchus keta*; max 41 en août), coho (*Oncorhynchus kisutch*; 4 max en juin et juillet) et rose juvéniles (*Oncorhynchus gorbuscha*; 1 max en juin et août) ont été capturés en moins grand nombre. La longueur à la fourche des saumons quinnats et des saumons rouges juvéniles a augmenté entre les relevés de juillet et d'août. La longueur à la fourche des saumons kétas juvéniles était plus grande que celle des autres espèces de saumon, mais elle a également augmenté de taille entre les relevés de juillet et d'août 2017.

## INTRODUCTION

Pacific salmon are a critical part of the ecosystems of British Columbia coastal waters. The abundance of these species has declined dramatically since the 1980's due to changes in ocean conditions, which has resulted in the reduction of commercial fisheries since the late 1990's. The sampling in Howe Sound is a standalone project that investigates the distribution of several salmon stocks that utilize this body of water prior to the northward migration, out of the Strait of Georgia. Within Howe Sound, salmon from the Squamish River at the northern end of the inlet are utilizing the habitat, but it is hypothesized that Fraser River salmon stocks, such as Harrison River sockeye salmon and south Thompson River chinook salmon, also are thought to use this body of water prior to the outward northern migration. Understanding the spatial and temporal patterns to stock distribution, and monitoring seasonal ocean conditions can support recommendations on improved survival of these stocks and provide advice linked to changes in the industrialization of the Howe Sound area.

## MATERIALS AND METHODS

Juvenile salmon trawl surveys were conducted April 17-21, May 16-20, June 21-25, July 17-21, and August 22-26, 2017, aboard the *CCGS Neocaligus*. The trawl net used was a Cantrawl designed mid-water 3 bridle trawl with a 74 ft. headline length, and a 91 ft. total length. The bridles were 50 ft. length of ½" tenex. A3 floats measuring 24" x 19" were placed on the upper wingtips of the net during surface tows to verify the headline is at the surface. The net was connected to 0.70 sq. meter, 70 kg Polar Jupiter high aspect mid-water trawl doors. Tow speed varied between 3.7 and 4.5 knots depending on wind, tide and current. The net opening achieved during all the surveys was approximately 14-16 m horizontal by 4-5 m vertical. A Simrad FS20/25 trawl eye sonar was used in a kite built into the headline of the trawl to monitor headline depth and net opening measurements. Fishing locations were predetermined and selected in order to repeat the stations on each survey (Figures 1-5). The depths fished, as measured at the headrope, were: surface, 10 m, 20 m and 30 m i.e. the expected depth range of juvenile salmon.

At each trawl location, the net was deployed off the stern of the vessel and the doors were deployed out to 3 marks (150 m for surface and 10 m depths), 4 marks (200 m for 20 m depth), and 5 marks (250m for 30m depth) . The tow time began once the doors were stopped at the appropriate mark. The trawl was towed for 15 mins at each station.

Upon completion of the tow, the catch was sorted by species. All the juvenile salmon species of chinook (*Oncorhynchus tshawytscha*), coho (*O. kisutch*), sockeye (*O.*



*nerka*), chum (*Oncorhynchus keta*), and pink (*Oncorhynchus gorbuscha*) were given an individual tag number. A maximum of 15 per species per tow were measured for fork length, weight, a tissue sample for DNA analysis was collected as well as the stomach was removed, a muscle sample was collected for future stable isotope analysis and checked for coded wire tags. If possible a scale sample was taken and the tissue samples were frozen by species and tow. The remaining samples over the 15 sampled were measured for fork length only. Other non-target species were enumerated and their lengths measured.

At all fishing locations a RBR duet sensor (<https://rbr-global.com/products/sensors>) was placed on the headline of the net to collect temperature at the headline depth. In addition, bongo nets were deployed vertically using a double frame, 57 cm diameter, 253 µm nets, to within 10 m of the bottom or maximum 150 m. Both of the zooplankton samples collected from the nets were filtered using sieves of 1.7 mm, 1.0 mm and 0.25 mm screens and frozen for future analysis.

## RESULTS

### April

In April, 23 tows were conducted in Howe Sound: 9 at the surface, 6 at 10 m, 4 at 20 m, and 4 at 30 m (Table 1). The dominant species captured were anchovy (*Engraulis mordax mordax*, an estimated 5990 fish from 3 tows, Table 2). Threespine stickleback (*Gasterosteus aculeatus*) were the second dominated species (779 fish from 10 tows, Table 2). No juvenile salmon were caught during the April survey.

### May

In May, 29 tows were conducted in Howe Sound: 8 at the surface, 8 at 10 m, 7 at 20 m, and 6 at 30 m (Table 1). The dominant species caught were threespine stickleback (185 fish in 5 tows, Table 3). The second dominant species was juvenile pollock (*Theragra chalcogramma*, 111 fish caught in 16 tows, Table 3). Chinook salmon were the dominant salmon species caught (14 fish in 6 tows, Table 2). There were 3 of 5 species of salmon captured, coho (3 fish), and chum (1 fish, Table 3).

### June

In June, 34 tows were conducted in Howe Sound: 9 at the surface, 9 at 10 m, 7 at 20 m and 9 at 30 m (Table 1). The dominant species caught were threespine stickleback (204 fish in 10 tows, Table 2). The second dominant species caught was juvenile pollock (189 fish in 27 tows, Table 4). The third dominant species was Pacific herring (*Clupea harengus pallasii*, 167 fish in 9 tows, Table 4). All 5 species of salmon were captured, with the highest catch comprised of chinook salmon (14 fish), followed by sockeye (7 fish) salmon. There were also chum (5 fish), coho (4 fish) and pink salmon (1 fish, Table 4).

## July

In July, 43 tows were conducted in Howe Sound: 11 at the surface, 11 at 10 m, 10 at 20 m, and 11 at 30 m (Table 1). The dominant species caught were Pacific herring (estimated 782 fish in 7 tows, Table 5). The second dominant species caught were chinook salmon (447 fish in 37 tows, Table 5). There were 4 of 5 species of salmon captured, sockeye (187 fish), chum (16 fish), and coho (4 fish, Table 5).

## August

In August, 40 tows were conducted in Howe Sound: 10 at the surface, 10 at 10 m, 10 at 20 m and 10 at 30 m (Table 1). The dominant species caught were threespine stickleback (estimated 5002 fish in 16 tows, Table 6). The second dominant species caught was Pacific herring (534 fish in 20 tows, Table 6). There were 4 of 5 salmon species captured, sockeye (491 fish), chinook (227 fish), chum (41 fish), and pink (1 fish, Table 6).

## Length Frequencies

Juvenile chinook fork lengths showed a clear increase in length between the July and August surveys (Figure 6). No trends were discernable for juvenile coho because only six individuals were captured in any survey (Figure 7). Juvenile sockeye fork lengths increased on average by 20 mm from the July to August surveys (Figure 8). Only one individual pink juvenile measured in June 2017 with a fork length of 75 mm (Figure 9). Juvenile chum had larger fork lengths than other salmon species, but showed a similar increase in size between the July and August 2017 surveys (Figure 10). All fork lengths for non-target species are listed in Appendix 1. Appendix 1 also lists which juvenile salmon had DNA, and otolith, tissue samples taken for future analysis.

## **ACKNOWLEDGEMENTS**

Mary Thiess wrote the original R scripts which were modified to produce the figures and tables. Thanks to the crew of the CCGS Neocaligus. Thanks to DFO employees: Yeongha Jung, Lindsey Dealy, contractors Colin Novak, Erika Nielsen, and volunteer Chris Boldt for their participation in the surveys.

## TABLES

TABLE 1. Bridge Log

CRUISE NUMBER	MONTH	Station	Event #	Location	Date	Start Time	End Time	Tow Time	Start Lat	Start Long	End Lat	End Long	Start Depth	End Depth	Net Opening	Head Depth	Warp	Comments
COS201728	APRIL	HW01	001	WEST SIDE BOWEN ISLAND	17/04/2017	16:50	17:05	0:15	49.3935	123.4005	49.3818	123.4065	79	101	14X5	0	150	
COS201728	APRIL	HW02	002	WEST SIDE BOWEN ISLAND	17/04/2017	17:30	17:45	0:15	49.3823	123.4048	49.3730	123.4327	115	115	16X4	30	200	
COS201728	APRIL	HW05	003	SMUGGLERS COVE BONGO 150m	18/04/2017	08:22			49.4135	123.3195			207					
COS201728	APRIL	HW05	004	SMUGGLERS COVE	18/04/2017	08:55	09:10	0:15	49.4183	123.3500	49.4162	123.3690	139	213	14X5	0	150	
COS201728	APRIL	HW06	005	SMUGGLERS COVE	18/04/2017	09:30	09:45	0:15	49.4168	123.3630	49.4173	123.3348	204	172	16X5	30	250	
COS201728	APRIL	HW07	006	SMUGGLERS COVE	18/04/2017	10:06	10:21	0:15	49.4177	123.3328	49.4170	123.3598	176	190	14X4	10	150	
COS201728	APRIL	HW08	007	SMUGGLERS COVE	18/04/2017	10:43	10:58	0:15	49.4172	123.3613	49.4180	123.3340	197	199	16X3	20	200	
COS201728	APRIL	HW09	008	HOPE PT BONGO 150m	18/04/2017	11:52			49.4290	123.3578			231					
COS201728	APRIL	HW09	009	HOPE PT	18/04/2017	12:10	12:25	0:15	49.4322	123.3528	49.4415	123.3303	160	222	15X4	0	150	
COS201728	APRIL	HW10	010	HOPE PT	18/04/2017	12:44	12:59	0:15	49.4398	123.3357	49.4315	123.3553	134	156	15X4	30	250	
COS201728	APRIL	HW11	011	HOPE PT	18/04/2017	13:17	13:32	0:15	49.4312	123.3558	49.4392	123.3362	154	145	14X3	10	150	
COS201728	APRIL	HW12	012	HOPE PT	18/04/2017	13:51	14:09	0:18	49.4387	123.3373	49.4280	123.3592	172	245	16X4	20	200	
COS201728	APRIL	HW13	013	BRIGADE BAY BONGO 150m	18/04/2017	15:01			49.4887	123.3275								
COS201728	APRIL	HW13	014	BRIGADE BAY	19/04/2017	12:35	12:50	0:15	49.4850	123.3222	49.4708	123.3072	229	247	16X4	0	150	
COS201728	APRIL	HW15	015	BRIGADE BAY	19/04/2017	14:55	15:10	0:15	49.4858	123.3240	49.4725	123.3098	177	246	16X4	10	150	
COS201728	APRIL	HW16	016	BRIGADE BAY	19/04/2017	15:38	15:53	0:15	49.4855	123.3232	49.4723	123.3082	186	246	16X4	20	150	
COS201728	APRIL	HW17	017	FOULGER CREEK BONGO 150m	20/04/2017	14:28	14:39	0:11	49.6428	123.2548			241	241				
COS201728	APRIL	HW17	018	FOULGER CREEK	20/04/2017	14:51	15:06	0:15	49.6377	123.2528	49.6265	123.2468	246	265	16X4	0	150	
COS201728	APRIL	HW19	019	FOULGER CREEK	20/04/2017	15:35	15:50	0:15	49.6410	123.2543	49.6255	123.2453	242	266	16X4	10	150	
COS201728	APRIL	HW21	020	WATT PT BONGO 130m	20/04/2017	16:09	16:18	0:09	49.6327	123.2168			142	138				
COS201728	APRIL	HW21	021	WATT PT	20/04/2017	16:29	16:44	0:15	49.6355	123.2192	49.6512	123.2343	175	215	16X4	0	150	
COS201728	APRIL	HW23	022	WATT PT	20/04/2017	16:59	17:14	0:15	49.6487	123.2320	49.6357	123.2208	219	235	16X4	10	150	
COS201728	APRIL	HW25	023	LOGGERS CREEK BONGO 150m	21/04/2017	07:56	08:06	0:10	49.3935	123.2532			232	236				
COS201728	APRIL	HW25	024	LOGGERS CREEK	21/04/2017	08:17	08:22	0:05	49.3823	123.2540			234			0	150	ABORTED TOW
COS201728	APRIL	HW25	025	LOGGERS CREEK	21/04/2017	08:53	09:09	0:16	49.4135	123.2615	49.4812	123.2540	234	230	16X4	0	150	
COS201728	APRIL	HW29	026	APODACA BONGO 140m	21/04/2017	10:13	10:21	0:08	49.4183	123.3338			160	171				
COS201728	APRIL	HW29	027	APODACA	21/04/2017	10:32	10:47	0:15	49.4168	123.3413	49.3340	123.3588	169	125	16X4.5	0	150	
COS201728	APRIL	HW30	028	APODACA	21/04/2017	11:06	11:21	0:15	49.4177	123.3540	49.3477	123.3335	130	246	17X4	30	250	
COS201728	APRIL	HW31	029	APODACA	21/04/2017	11:43	11:58	0:15	49.4172	123.3397	49.3370	123.3553	214	102	16X4	10	150	
COS201728	APRIL	HW32	030	APODACA	21/04/2017	12:13	12:17	0:04	49.4290	123.3525	49.3420	123.3467	185	224		20	200	UNUSABLE TOW
COS201731	MAY	HW01	001	COLLINGWOOD CH-BONGO 100m	16/05/2017	14:11			49.4322	123.4180			104					
COS201731	MAY	HW01	002	COLLINGWOOD CH	16/05/2017	14:41	14:53	0:12	49.4398	123.4128	49.3777	123.4250	77	114	14X5	0	150	

TABLE 1. Bridge Log continued

CRUISE NUMBER	MONTH	Station	Event #	Location	Date	Start Time	End Time	Tow Time	Start Lat	Start Long	End Lat	End Long	Start Depth	End Depth	Net Opening	Head Depth	Warp	Comments
COS201731	MAY	HW03	003	COLLINGWOOD CH	17/05/2017	16:48	17:03	0:15	49.4312	123.4127	49.3737	123.4182	75	112	14X5	10	150	
COS201731	MAY	HW04	004	COLLINGWOOD CH	17/05/2017	18:09	18:24	0:15	49.4387	123.4135	49.3742	123.4293	81	111	15X5	20	200	
COS201731	MAY	HW02	005	COLLINGWOOD CH	17/05/2017	18:50	19:05	0:15	49.4887	123.4190	49.3708	123.4347	109	121	16X5	30	250	
COS201731	MAY	HW21	006	WATT PT-BONGO 150m	18/05/2017	09:16			49.4850	123.2175			206					
COS201731	MAY	HW21	007	WATT PT	18/05/2017	09:43	09:58	0:15	49.4858	123.2198	49.6483	123.2312	244	222	14X4	0	150	
COS201731	MAY	HW22	008	WATT PT	18/05/2017	10:18	10:33	0:15	49.4855	123.2282	49.6288	123.2167	231	209	16X5	30	250	
COS201731	MAY	HW23	009	WATT PT	18/05/2017	10:52	11:07	0:15	49.6428	123.2173	49.6455	123.2290	193	228	14X5	10	150	
COS201731	MAY	HW24	010	WATT PT	18/05/2017	11:25	11:40	0:15	49.6377	123.2267	49.6275	123.2150	235	159	16X5	20	200	
COS201731	MAY	HW17	011	FOULGER CREEK-BONGO-150m	18/05/2017	12:34			49.6410	123.2440			268					
COS201731	MAY	HW17	012	FOULGER CREEK	18/05/2017	12:55	13:10	0:15	49.6327	123.2478	49.6452	123.2557	260	238	14X4	0	150	
COS201731	MAY	HW18	013	FOULGER CREEK	18/05/2017	13:31	13:46	0:15	49.6355	123.2527	49.6265	123.2467	242	264	16X5	30	250	
COS201731	MAY	HW19	014	FOULGER CREEK	18/05/2017	14:06	14:21	0:15	49.6487	123.2480	49.6442	123.2530	259	239	14X4	10	150	
COS201731	MAY	HW20	015	FOULGER CREEK	18/05/2017	14:41	14:56	0:15	49.4837	123.2525	49.6220	123.2462	245	265	15X4	20	200	
COS201731	MAY	HW33	016	MCNABB CREEK-BONGO 150m	18/05/2017	16:07			49.4858	123.3937			191					
COS201731	MAY	HW33	017	MCNABB CREEK	18/05/2017	16:24	16:39	0:15	49.4993	123.4013	49.5417	123.4235	177	210	14X4	0	150	
COS201731	MAY	HW35	018	MCNABB CREEK	18/05/2017	17:20	17:39	0:19	49.3520	123.4242	49.5510	123.3995	139	156	14X4	10	150	
COS201731	MAY	HW05	019	SMUGGLERS COVE-BONGO 150m	19/05/2017	08:02			49.3473	123.3645			201					
COS201731	MAY	HW05	020	SMUGGLERS COVE	19/05/2017	08:22	08:37	0:15	49.3373	123.3552	49.4193	123.3293	184	218	14X5	0	150	
COS201731	MAY	HW06	021	SMUGGLERS COVE	19/05/2017	08:59	09:14	0:15	49.3475	123.3410	49.4173	123.3658	175	221	16X5	30	250	
COS201731	MAY	HW07	022	SMUGGLERS COVE	19/05/2017	09:48	10:03	0:15	49.3383	123.3413	49.4178	123.3655	172	227	15X4	10	150	
COS201731	MAY	HW08	023	SMUGGLERS COVE	19/05/2017	10:37	10:52	0:15	49.3805	123.3437	49.4173	123.3663	167	224	15X5	20	200	
COS201731	MAY	HW09	024	HOPE PT-BONGO 120m	19/05/2017	11:10			49.3852	123.3607			126					
COS201731	MAY	HW09	025	HOPE PT	19/05/2017	12:07	12:22	0:15	49.3848	123.3518	49.4415	123.3295	195	225	14X5	0	150	
COS201731	MAY	HW10	026	HOPE PT	19/05/2017	12:43	12:58	0:15	49.3850	123.3338	49.4310	123.3528	219	215	16X5	30	250	
COS201731	MAY	HW11	027	HOPE PT	19/05/2017	13:19	13:34	0:15	49.3813	123.3535	49.4398	123.3325	174	226	14X4	10	150	
COS201731	MAY	HW12	028	HOPE PT	19/05/2017	13:52	14:07	0:15	49.6308	123.3352	49.4318	123.3537	204	164	14X5	20	200	
COS201731	MAY	HW13	029	BRIGADE BAY-BONGO 150m	19/05/2017	14:53			49.6330	123.3265			213					
COS201731	MAY	HW13	030	BRIGADE BAY	19/05/2017	15:12	15:27	0:15	49.6433	123.3235	49.4705	123.3100	172	246	14X5	0	150	
COS201731	MAY	HW15	031	BRIGADE BAY	19/05/2017	15:54	16:09	0:15	49.6315	123.3232	49.4720	123.3108	159	240	14X4	10	150	
COS201731	MAY	HW16	032	BRIGADE BAY	19/05/2017	16:37	16:52	0:15	49.6420	123.3223	49.4707	123.3100	154	245	16X4	20	200	
COS201731	MAY	HW29	033	APODACA PT-BONGO 150m	20/05/2017	08:47			49.6220	123.3498			217					
COS201731	MAY	HW29	034	APODACA PT	20/05/2017	09:11	09:26	0:15	49.6280	123.3490	49.3543	123.3320	210	125	14X4	0	150	

TABLE 1. Bridge Log continued

CRUISE NUMBER	MONTH	Station	Event #	Location	Date	Start Time	End Time	Tow Time	Start Lat	Start Long	End Lat	End Long	Start Depth	End Depth	Net Opening	Head Depth	Warp	Comments
COS201731	MAY	HW31	035	APODACA PT	20/05/2017	09:50	10:05	0:15	49.6418	123.3445	49.3323	123.3595	156	132	15X4	10	150	
COS201731	MAY	HW32	036	APODACA PT	20/05/2017	10:23	10:38	0:15	49.6277	123.3553	49.3468	123.3412	196	183	16X5	20	200	
COS201731	MAY	HW30	037	APODACA PT	20/05/2017	10:59	11:14	0:15	49.6378	123.3465	49.3298	123.3615	228	146	16X5	30	250	
COS201732	JUNE	HW29	001	APODACA BONGO 150M	21/06/2017	14:00			49.5528	123.3472			213					
COS201732	JUNE	HW29	002	APODACA	21/06/2017	14:31	14:46	0:15	49.5507	123.3360	49.3393	123.3445	83	246	16X4	0	150	
COS201732	JUNE	HW30	003	APODACA	21/06/2017	15:13	15:28	0:15	49.5417	123.3347	49.3405	123.3468	110	237	16X4	30	250	
COS201732	JUNE	HW31	004	APODACA	21/06/2017	15:57	16:12	0:15	49.4162	123.3333	49.3407	123.3455	103	241	16X4	10	150	
COS201732	JUNE	HW32	005	APODACA	21/06/2017	16:38	16:53	0:15	49.4168	123.3345	49.3393	123.3467	80	245	16X4.5	20	200	
COS201732	JUNE	HW05	006	SMUGGLERS COVE BONGO 150M	22/06/2017	08:02	08:09	0:07	49.4178	123.2988			208					
COS201732	JUNE	HW05	007	SMUGGLERS COVE	22/06/2017	08:21	08:36	0:15	49.4178	123.3405	49.4153	123.3692	154	196	16X4	0	150	
COS201732	JUNE	HW06	008	SMUGGLERS COVE	22/06/2017	09:12	09:27	0:15	49.4178	123.3422	49.4155	123.3673	180	200	16X4	30	250	
COS201732	JUNE	HW07	009	SMUGGLERS COVE	22/06/2017	10:07	10:21	0:14	49.4288	123.4165	49.3412	123.3658	117	209	16X4	10	150	
COS201732	JUNE	HW08	010	SMUGGLERS COVE	22/06/2017	10:42	10:57	0:15	49.4320	123.3725	49.4175	123.3473	200	159	16X4	20	200	
COS201732	JUNE	HW09	011	HOPE PT BONGO 140M	22/06/2017	11:20			49.4392	123.3570			192					
COS201732	JUNE	HW09	012	HOPE PT	22/06/2017	12:06	12:21	0:15	49.4313	123.3358	49.4285	123.3590	178	236	16X4	0	150	
COS201732	JUNE	HW10	013	HOPE PT	22/06/2017	12:41	12:56	0:15	49.4390	123.3560	49.4380	123.3352	150	217	16X4	30	250	
COS201732	JUNE	HW11	014	HOPE PT	22/06/2017	13:19	13:34	0:15	49.4888	123.3368	49.4292	123.6907	204	214	16X4	10	150	
COS201732	JUNE	HW12	015	HOPE PT	22/06/2017	13:55	14:10	0:15	49.4857	123.3565	49.4392	123.3347	151	204	16X4	20	200	
COS201732	JUNE	HW13	016	BRIGADE BAY BONGO 150M	22/06/2017	14:52			49.4848	123.3277			173					
COS201732	JUNE	HW13	017	BRIGADE BAY	22/06/2017	15:14	15:29	0:15	49.4837	123.3222	49.4693	123.3112	213	246	16X4	0	150	
COS201732	JUNE	HW14	018	BRIGADE BAY	22/06/2017	15:50	16:05	0:15	49.3395	123.3130	49.4873	123.2927	244	187	15X5	30	250	
COS201732	JUNE	HW15	019	BRIGADE BAY	22/06/2017	16:25	16:40	0:15	49.3410	123.3232	49.4745	123.3142	238	216	16X4.5	10	150	
COS201732	JUNE	HW16	020	BRIGADE BAY	22/06/2017	17:00	17:15	0:15	49.3452	123.3138	49.4878	123.2937	244	183	16X4	20	200	
COS201732	JUNE	HW17	021	FOULGER CREEK BONGO 150M	23/06/2017	09:21			49.3345	123.2473			261					
COS201732	JUNE	HW17	022	FOULGER CREEK	23/06/2017	09:42	09:57	0:15	49.3417	123.2487	49.6455	123.2552	257	236	16X4	0	150	
COS201732	JUNE	HW18	023	FOULGER CREEK	23/06/2017	10:18	10:33	0:15	49.3422	123.2530	49.6267	123.2478	239	260	16X4	30	250	
COS201732	JUNE	HW19	024	FOULGER CREEK	23/06/2017	10:53	11:08	0:15	49.3538	123.2465	49.6392	123.2525	263	242	16X4	10	150	
COS201732	JUNE	HW20	025	FOULGER CREEK	23/06/2017	12:07	12:21	0:14	49.3533	123.2505	49.6200	123.2440	249	267	16X4	20	200	
COS201732	JUNE	HW21	026	WATTS PT BONGO 150M	23/06/2017	12:42			49.3548	123.2162			180					
COS201732	JUNE	HW21	027	WATTS PT	23/06/2017	13:01	13:16	0:15	49.3538	123.2243	49.6548	123.2345	196	214	16X4	0	150	
COS201732	JUNE	HW22	028	WATTS PT	23/06/2017	13:40	13:55	0:15	49.4188	123.2282	49.5472	123.2158	217	170	16X4	30	250	
COS201732	JUNE	HW23	029	WATTS PT	23/06/2017	14:18	14:33	0:15	49.4170	123.2188	49.6440	123.2263	229	231	16X4	10	150	

TABLE 1. Bridge Log continued

CRUISE NUMBER	MONTH	Station	Event #	Location	Date	Start Time	End Time	Tow Time	Start Lat	Start Long	End Lat	End Long	Start Depth	End Depth	Net Opening	Head Depth	Warp	Comments
COS201732	JUNE	HW24	030	WATTS PT	23/06/2017	14:52	15:07	0:15	49.4170	123.2287	49.6315	123.2195	118	241	16X4	20	200	
COS201732	JUNE	HW33	031	MCNABB CREEK BONGO 150M	23/06/2017	16:24			49.4167	123.3963			171					
COS201732	JUNE	HW33	032	MCNABB CREEK	23/06/2017	16:46	17:01	0:15	49.4168	123.4058	49.5397	123.4300	221	143	16X4	0	150	
COS201732	JUNE	HW34	033	MCNABB CREEK	23/06/2017	17:26	17:41	0:15	49.4297	123.4227	49.5505	123.4032	156	162	16X5	30	250	
COS201732	JUNE	HW35	034	MCNABB CREEK	23/06/2017	18:36	18:51	0:15	49.4392	123.4087	49.5393	123.4288	220	159	16X4	10	150	
COS201732	JUNE	HW25	035	LOGGERS CREEK BONGO 150M	24/06/2017	08:39			49.4305	123.2567			237					
COS201732	JUNE	HW25	036	LOGGERS CREEK	24/06/2017	09:00	09:15	0:15	49.4378	123.2565	49.5053	123.2648	236	230	16X4	0	150	
COS201732	JUNE	HW26	037	LOGGERS CREEK	24/06/2017	09:35	09:50	0:15	49.4308	123.2612	49.4815	123.2530	235	215	16X5	30	250	
COS201732	JUNE	HW27	038	LOGGERS CREEK	24/06/2017	10:10	10:25	0:15	49.4890	123.2535	49.4965	123.2607	230	234	16X4	10	150	
COS201732	JUNE	HW01	039	COLLINGWOOD CH BONGO 75M	25/06/2017	08:08			49.4847	123.4023			80					
COS201732	JUNE	HW01	040	COLLINGWOOD CH	25/06/2017	08:25	08:40	0:15	49.4740	123.4137	49.3713	123.4340	81	119	16X4	0	150	
COS201732	JUNE	HW02	041	COLLINGWOOD CH	25/06/2017	09:04	09:19	0:15	49.4882	123.4355	49.3805	123.4202	128	112	16X4	30	250	
COS201732	JUNE	HW03	042	COLLINGWOOD CH	25/06/2017	09:42	09:57	0:15	49.4753	123.4098	49.3750	123.4277	59	110	16X4	10	150	
COS201732	JUNE	HW04	043	COLLINGWOOD CH	25/06/2017	10:19	10:34	0:15	49.6268	123.4313	49.3830	123.4160	111	101	16X4	20	200	
COS201733	JULY	HW29	001	APODACA PT BONGO 150M	17/07/2017	13:05			49.6290	123.3328			248	247				
COS201733	JULY	HW29	002	APODACA PT	17/07/2017	13:29	13:44	0:15	49.6420	123.3412	49.3323	123.3588	228	149	16X4.5	0	150	
COS201733	JULY	HW30	003	APODACA PT	17/07/2017	14:19	14:34	0:15	49.6237	123.3367	49.3363	123.3543	202	141	16X4	30	250	
COS201733	JULY	HW31	004	APODACA PT	17/07/2017	14:58	15:13	0:15	49.6345	123.3512	49.3478	123.3375	259	234	16X4	10	150	
COS201733	JULY	HW32	005	APODACA PT	17/07/2017	15:37	15:42	0:05	49.6298	123.3392	49.3348	123.3557	235	187	16X4	20	200	
COS201733	JULY	HW05	006	SMUGGLERS COVE BONGO 150M	18/07/2017	07:54			49.6398	123.3372			217					
COS201733	JULY	HW05	007	SMUGGLERS COVE	18/07/2017	08:12	08:27	0:15	49.6452	123.3398	49.4158	123.3678	174	207	15X4.5	0	150	
COS201733	JULY	HW06	008	SMUGGLERS COVE	18/07/2017	08:49	09:04	0:15	49.6293	123.3713	49.4182	123.3473	226	178	16X4	30	250	
COS201733	JULY	HW07	009	SMUGGLERS COVE	18/07/2017	09:29	09:44	0:15	49.6473	123.3417	49.4150	123.3658	171	188	16X4.5	10	150	
COS201733	JULY	HW08	010	SMUGGLERS COVE	18/07/2017	10:04	10:19	0:15	49.5572	123.3657	49.4182	123.3430	214	176	16X4.5	20	200	
COS201733	JULY	HW09	011	HOPE PT BONGO 150M	18/07/2017	10:47			49.5485	123.3287			200					
COS201733	JULY	HW09	012	HOPE PT	18/07/2017	11:05	11:20	0:15	49.5422	123.3380	49.4288	123.3620	180	110	16X4.5	0	150	
COS201733	JULY	HW10	013	HOPE PT	18/07/2017	12:15	12:30	0:15	49.5480	123.3615	49.4372	123.3403	168	140	16X4	30	250	
COS201733	JULY	HW11	014	HOPE PT	18/07/2017	12:53	13:08	0:15	49.4820	123.3407	49.4290	123.3608	136	122	16X4	10	150	
COS201733	JULY	HW12	015	HOPE PT	18/07/2017	13:28	13:43	0:15	49.4888	123.3603	49.4372	123.3400	107	151	16X4.5	20	200	
COS201733	JULY	HW13	016	BRIGADE BAY BONGO 150M	18/07/2017	14:15			49.4965	123.3065			247					
COS201733	JULY	HW13	017	BRIGADE BAY	18/07/2017	14:32	14:47	0:15	49.4823	123.3133	49.4895	123.3250	209	235	16X4.5	0	150	
COS201733	JULY	HW14	018	BRIGADE BAY	18/07/2017	15:07	15:22	0:15	49.3912	123.3220	49.4747	123.3138	239	239	16X4.5	30	250	

TABLE 1. Bridge Log continued

CRUISE NUMBER	MONTH	Station	Event #	Location	Date	Start Time	End Time	Tow Time	Start Lat	Start Long	End Lat	End Long	Start Depth	End Depth	Net Opening	Head Depth	Warp	Comments
COS201733	JULY	HW15	019	BRIGADE BAY	18/07/2017	15:45	16:00	0:15	49.3845	123.3130	49.4885	123.3235	240	237	16X4	10	150	
COS201733	JULY	HW16	020	BRIGADE BAY	18/07/2017	16:20	16:35	0:15	49.3700	123.3210	49.4737	123.3142	240	179	16X4.5	20	200	
COS201733	JULY	HW21	021	WATTS PT BONGO 150M	19/07/2017	09:17			49.3870	123.2160			163					
COS201733	JULY	HW21	022	WATTS PT	19/07/2017	09:34	09:49	0:15	49.3725	123.2180	49.6470	123.2295	191	133	15X4.5	0	150	
COS201733	JULY	HW22	023	WATTS PT	19/07/2017	10:11	10:26	0:15	49.3490	123.2272	49.6285	123.2150	231	168	16X4.5	30	250	
COS201733	JULY	HW23	024	WATTS PT	19/07/2017	10:48	11:03	0:15	49.3458	123.2182	49.6445	123.2275	229	228	16X4	10	150	
COS201733	JULY	HW24	025	WATTS PT	19/07/2017	11:56	12:11	0:15	49.3500	123.2207	49.6490	123.2313	243	189	16X4	20	200	
COS201733	JULY	HW17	026	FOULGER CREEK BONGO 150M	19/07/2017	12:33			49.3345	123.2562			236					
COS201733	JULY	HW17	027	FOULGER CREEK	19/07/2017	12:50	13:05	0:15	49.3467	123.2535	49.6245	123.2462	241	264	15X4.5	0	150	
COS201733	JULY	HW18	028	FOULGER CREEK	19/07/2017	13:29	13:44	0:15	49.4203	123.2465	49.6407	123.2533	266	243	16X4.5	30	250	
COS201733	JULY	HW19	029	FOULGER CREEK	19/07/2017	14:05	14:20	0:15	49.4170	123.2520	49.6262	123.2445	243	263	15X4	10	150	
COS201733	JULY	HW20	030	FOULGER CREEK	19/07/2017	14:46	15:01	0:15	49.4165	123.2463	49.6460	123.2533	257	239	16X4	20	200	
COS201733	JULY	HW33	031	MCNABB CREEK BONGO 150M	19/07/2017	16:27			49.4178	123.3908			207					
COS201733	JULY	HW33	032	MCNABB CREEK	19/07/2017	16:45	17:00	0:15	49.4170	123.4022	49.5407	123.4235	149	226	15X4.5	0	150	
COS201733	JULY	HW34	033	MCNABB CREEK	19/07/2017	17:20	17:35	0:15	49.4428	123.4212	49.5507	123.4017	224	173	16X4	30	250	
COS201733	JULY	HW35	034	MCNABB CREEK	19/07/2017	18:35	18:50	0:15	49.4378	123.4078	49.5395	123.4277	217	178	16X4	10	150	
COS201733	JULY	HW25	035	LOGGERS CREEK BONGO 150M	20/07/2017	08:23			49.4283	123.2537			215					
COS201733	JULY	HW25	036	LOGGERS CREEK	20/07/2017	08:37	08:52	0:15	49.4373	123.2560	49.5007	123.2613	235	230	15X4.5	0	150	
COS201733	JULY	HW26	037	LOGGERS CREEK	20/07/2017	09:13	09:28	0:15	49.4292	123.2592	49.4805	123.2527	232	213	16X4.5	30	250	
COS201733	JULY	HW27	038	LOGGERS CREEK	20/07/2017	09:49	10:04	0:15	49.4657	123.2567	49.4993	123.2620	235	232	16X4	10	150	
COS201733	JULY	HW28	039	LOGGERS CREEK	20/07/2017	10:23	10:38	0:15	49.4718	123.2620	49.4820	123.2548	235	235	16X4	20	200	
COS201733	JULY	HW37	040	EAST OF ANVIL ISLAND BONGO 150M	20/07/2017	11:14			49.4900	123.2860			80					
COS201733	JULY	HW37	041	EAST OF ANVIL ISLAND	20/07/2017	11:54	12:09	0:15	49.4733	123.2870	49.5557	123.2928	125	162	15X4.5	0	150	
COS201733	JULY	HW38	042	EAST OF ANVIL ISLAND	20/07/2017	12:30	12:45	0:15	49.4888	123.2902	49.5390	123.2860	161	135	16X4.5	30	250	
COS201733	JULY	HW39	043	EAST OF ANVIL ISLAND	20/07/2017	13:07	13:22	0:15	49.6257	123.2873	49.5507	123.2902	128	159	15X4	10	150	
COS201733	JULY	HW40	044	EAST OF ANVIL ISLAND	20/07/2017	13:51	14:06	0:15	49.6323	123.2883	49.5523	123.2898	111	161	16X4.5	20	200	
COS201733	JULY	HW41	045	WEST OF ANVIL ISLAND BONGO 150M	20/07/2017	14:34			49.6430	123.3285			204					
COS201733	JULY	HW41	046	WEST OF ANVIL ISLAND	20/07/2017	14:48	15:03	0:15	49.6303	123.3290	49.5308	123.3307	208	219	15X4	0	150	
COS201733	JULY	HW42	047	WEST OF ANVIL ISLAND	20/07/2017	15:23	15:38	0:15	49.6337	123.3322	49.5518	123.3282	218	206	16X4.5	30	250	
COS201733	JULY	HW43	048	WEST OF ANVIL ISLAND	20/07/2017	15:58	16:13	0:15	49.6487	123.3295	49.5340	123.3330	208	221	15X4	10	150	
COS201733	JULY	HW44	049	WEST OF ANVIL ISLAND	20/07/2017	16:30	16:45	0:15	49.6422	123.3323	49.5525	123.3288	213	206	16X4.5	20	200	
COS201733	JULY	HW01	050	COLLINGWOOD CH BONGO 70M	21/07/2017	07:37			49.6255	123.4018			78					

TABLE 1. Bridge Log continued

CRUISE NUMBER	MONTH	Station	Event #	Location	Date	Start Time	End Time	Tow Time	Start Lat	Start Long	End Lat	End Long	Start Depth	End Depth	Net Opening	Head Depth	Warp	Comments
COS201733	JULY	HW01	051	COLLINGWOOD CH	21/07/2017	07:51	08:06	0:15	49.6412	123.4133	49.3717	123.4337	79	115	15X4.5	0	150	
COS201733	JULY	HW02	052	COLLINGWOOD CH	21/07/2017	08:26	08:41	0:15	49.6298	123.4340	49.3820	123.4185	118	106	15X4.5	30	250	
COS201733	JULY	HW03	053	COLLINGWOOD CH	21/07/2017	08:59	09:14	0:15	49.5528	123.4220	49.3675	123.4377	113	131	16X4	10	150	
COS201733	JULY	HW04	054	COLLINGWOOD CH	21/07/2017	09:32	09:47	0:15	49.5512	123.4372	49.3802	123.4218	133	114	16X4.5	20	200	
COS201734	AUGUST	HW29	001	APODACA PT BONGO 150 M	22/08/2017	14:32			49.5415	123.3528			177					
COS201734	AUGUST	HW29	002	APODACA PT	22/08/2017	15:07	15:22	0:15	49.5487	123.3588	49.3462	123.3383	115	240	16X5	0	150	
COS201734	AUGUST	HW30	003	APODACA PT	22/08/2017	15:45	16:00	0:15	49.4772	123.3340	49.3398	123.3467	188	241	16X4	30	250	
COS201734	AUGUST	HW31	004	APODACA PT	22/08/2017	16:19	16:34	0:15	49.4830	123.3450	49.3542	123.3312	237	160	16X4	10	150	
COS201734	AUGUST	HW32	005	APODACA PT	22/08/2017	16:53	17:08	0:15	49.4972	123.3318	49.3448	123.3433		203	16X4	20	200	
COS201734	AUGUST	HW05	006	SMUGGLERS COVE BONGO 150 M	23/08/2017	07:48			49.4840	123.3525			198					
COS201734	AUGUST	HW05	007	SMUGGLERS COVE	23/08/2017	08:14	08:29	0:15	49.4965	123.3375	49.4152	123.3665	184	195	16X4	0	150	
COS201734	AUGUST	HW06	008	SMUGGLERS COVE	23/08/2017	08:46	09:01	0:15	49.5292	123.3652	49.4180	123.3422	213	176	16X4	30	250	
COS201734	AUGUST	HW07	009	SMUGGLERS COVE	23/08/2017	09:20	09:35	0:15	49.5375	123.3423	49.4157	123.3673	161	203	16X4	10	150	
COS201734	AUGUST	HW08	010	SMUGGLERS COVE	23/08/2017	09:53	10:08	0:15	49.5543	123.3640	49.4190	123.3413	215	192	16X4	20	200	
COS201734	AUGUST	HW09	011	HOPE PT BONGO 150 M	23/08/2017	10:26			49.5357	123.3285			220					
COS201734	AUGUST	HW09	012	HOPE PT	23/08/2017	10:44	10:59	0:15	49.5355	123.3363	49.4283	123.3573	160	248	16X4	0	150	
COS201734	AUGUST	HW10	013	HOPE PT	23/08/2017	11:16	11:31	0:15	49.5528	123.3520	49.4402	123.3323	215	221	16X4	30	250	
COS201734	AUGUST	HW11	014	HOPE PT	23/08/2017	12:18	12:33	0:15	49.5483	123.3285	49.4325	123.3503	232	216	16X4	10	150	
COS201734	AUGUST	HW12	015	HOPE PT	23/08/2017	12:54	13:09	0:15	49.5362	123.3460	49.4413	123.3245	196	212	16X4	20	200	
COS201734	AUGUST	HW13	016	BRIGADE BAY BONGO 150 M	23/08/2017	13:41			49.5488	123.2917			229					
COS201734	AUGUST	HW13	017	BRIGADE BAY	23/08/2017	14:00	14:15	0:15	49.5367	123.3193	49.4670	123.3083	217	245	16X4	0	150	
COS201734	AUGUST	HW14	018	BRIGADE BAY	23/08/2017	14:33	14:49	0:16	49.3930	123.3108	49.4855	123.3218	243	235	16X4	30	250	
COS201734	AUGUST	HW15	019	BRIGADE BAY	23/08/2017	15:07	15:23	0:16	49.3845	123.3223	49.4707	123.3108	212	244	16X4	10	150	
COS201734	AUGUST	HW16	020	BRIGADE BAY	23/08/2017	15:41	15:56	0:15	49.3712	123.3123	49.4853	123.3210	242	238	16X4	20	200	
COS201734	AUGUST	HW17	021	FOULGER CREEK BONGO 150 M	24/08/2017	09:32			49.3792	123.2725			237					
COS201734	AUGUST	HW17	022	FOULGER CREEK	24/08/2017	09:55	10:10	0:15	49.3678	123.2542	49.6282	123.2457	239	260	14X5.5	0	150	
COS201734	AUGUST	HW18	023	FOULGER CREEK	24/08/2017	10:48	11:03	0:15	49.3370	123.2455	49.6345	123.2502	268	251	16X4	30	250	
COS201734	AUGUST	HW19	024	FOULGER CREEK	24/08/2017	11:25	11:40	0:15	49.3347	123.2475	49.6235	123.2410	242	266	16X4	10	150	
COS201734	AUGUST	HW20	025	FOULGER CREEK	24/08/2017	12:32	12:47	0:15	49.3520	123.2440	49.6335	123.2498	270	252	16X4	20	200	
COS201734	AUGUST	HW21	026	WATT PT BONGO 150 M	24/08/2017	13:14			49.3413	123.2175			196					
COS201734	AUGUST	HW21	027	WATT PT	24/08/2017	13:38	13:53	0:15	49.3563	123.2170	49.6455	123.2303	187	225	16X4	0	150	5000LBS JELLYFISH
COS201734	AUGUST	HW22	028	WATT PT	24/08/2017	14:42	14:57	0:15	49.4180	123.2255	49.6547	123.2335	237	212	16X4	30	250	



TABLE 1. Bridge Log continued

CRUISE NUMBER	MONTH	Station	Event #	Location	Date	Start Time	End Time	Tow Time	Start Lat	Start Long	End Lat	End Long	Start Depth	End Depth	Net Opening	Head Depth	Warp	Comments
COS201734	AUGUST	HW23	029	WATT PT	24/08/2017	15:37	15:52	0:15	49.4178	123.2225	49.6477	123.2313	242	219	16X4	10	150	
COS201734	AUGUST	HW24	030	WATT PT	24/08/2017	16:30	16:45	0:15	49.4170	123.2245	49.6177	123.2330	240	215	16X4	20	200	
COS201734	AUGUST	HW25	031	LOGGERS CREEK BONGO 150 M	25/08/2017	08:27			49.4175	123.2537			222					
COS201734	AUGUST	HW25	032	LOGGERS CREEK	25/08/2017	08:47	09:02	0:15	49.4177	123.2565	49.5013	123.2667	238	236	16X4	0	150	
COS201734	AUGUST	HW26	033	LOGGERS CREEK	25/08/2017	09:25	09:40	0:15	49.4422	123.2622	49.4788	123.2555	239	230	16X4	30	250	
COS201734	AUGUST	HW27	034	LOGGERS CREEK	25/08/2017	10:01	10:16	0:15	49.4393	123.2578	49.4982	123.2648	239	238	16X4	10	150	
COS201734	AUGUST	HW28	035	LOGGERS CREEK	25/08/2017	10:38	10:53	0:15	49.4310	123.2625	49.4740	123.2560	240	230	16X4	20	200	
COS201734	AUGUST	HW37	036	EAST ANVIL ISLAND BONGO 150 M	25/08/2017	11:55			49.4402	123.2802			176					
COS201734	AUGUST	HW37	037	EAST ANVIL ISLAND	25/08/2017	12:15	12:30	0:15	49.4337	123.2875	49.5528	123.2928	126	161	16X4	0	150	
COS201734	AUGUST	HW38	038	EAST ANVIL ISLAND	25/08/2017	12:50	13:05	0:15	49.4878	123.2903	49.5352	123.2873	159	121	16X4	30	250	
COS201734	AUGUST	HW39	039	EAST ANVIL ISLAND	25/08/2017	13:23	13:38	0:15	49.4827	123.2877	49.5530	123.2913	124	161	16X4	10	150	
COS201734	AUGUST	HW40	040	EAST ANVIL ISLAND	25/08/2017	13:56	14:11	0:15	49.4707	123.2897	49.5357	123.2853	157	143	16X4	20	200	
COS201734	AUGUST	HW33	041	MCNABB CREEK BONGO 150 M	25/08/2017	14:59			49.4850	123.3910			208					
COS201734	AUGUST	HW33	042	MCNABB CREEK	25/08/2017	15:18	15:33	0:15	49.4722	123.3982	49.5425	123.4220	219	173	16X4	0	150	
COS201734	AUGUST	HW34	043	MCNABB CREEK	25/08/2017	15:52	16:07	0:15	49.6485	123.4210	49.5510	123.3997	170	147	16X4	30	250	
COS201734	AUGUST	HW35	044	MCNABB CREEK	25/08/2017	16:30	16:45	0:15	49.6452	123.4000	49.5427	123.4207	206	199	16X4	10	150	
COS201734	AUGUST	HW36	045	MCNABB CREEK	25/08/2017	17:02	17:17	0:15	49.6185	123.4205	49.5510	123.3998	148	145	16X4	20	200	
COS201734	AUGUST	HW01	046	COLLINGWOOD CH BONGO 100 M	26/08/2017	07:40			49.6383	123.4200			111					
COS201734	AUGUST	HW01	047	COLLINGWOOD CH	26/08/2017	08:01	08:16	0:15	49.6182	123.4180	49.3685	123.4368	108	133	16X4	0	150	
COS201734	AUGUST	HW02	048	COLLINGWOOD CH	26/08/2017	08:34	08:49	0:15	49.6310	123.4347	49.3825	123.4170	122	105	16X4	30	250	
COS201734	AUGUST	HW03	049	COLLINGWOOD CH	26/08/2017	09:09	09:24	0:15	49.6307	123.4203	49.3693	123.4353	114	124	16X4	10	150	
COS201734	AUGUST	HW04	050	COLLINGWOOD CH	26/08/2017	09:44	09:59	0:15	49.6403	123.4307	49.3867	123.4158	114	79	16X4	20	200	

TABLE 2. CATCH SUMMARY APRIL 17-21, 2017

CRUISE	MONTH	STATION	CHINOOK	COHO	SOCKEYE	PINK	CHUM	HERRING	STICKLEBACK	ANCHOVY	STARRY FLOUNDER	SOFT SCULPIN
COS201728	APRIL	HW01								1		1
COS201728	APRIL	HW02										
COS201728	APRIL	HW03										
COS201728	APRIL	HW04										
COS201728	APRIL	HW05						2	54			
COS201728	APRIL	HW06							16			
COS201728	APRIL	HW07							12			
COS201728	APRIL	HW08										
COS201728	APRIL	HW09										
COS201728	APRIL	HW10										
COS201728	APRIL	HW11										
COS201728	APRIL	HW12										
COS201728	APRIL	HW13								5987		
COS201728	APRIL	HW14										
COS201728	APRIL	HW15										
COS201728	APRIL	HW16										
COS201728	APRIL	HW17						3	6			
COS201728	APRIL	HW18										
COS201728	APRIL	HW19							6			2
COS201728	APRIL	HW20										
COS201728	APRIL	HW21						3	4		2	
COS201728	APRIL	HW22										
COS201728	APRIL	HW23							3			1
COS201728	APRIL	HW24										
COS201728	APRIL	HW25										
COS201728	APRIL	HW26										
COS201728	APRIL	HW27										
COS201728	APRIL	HW28										
COS201728	APRIL	HW29							540		2	
COS201728	APRIL	HW30										
COS201728	APRIL	HW31							101	2		
COS201728	APRIL	HW32							37			
<b>TOTALS</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>779</b>	<b>5990</b>	<b>4</b>	<b>4</b>

TABLE 3. CATCH SUMMARY MAY 16-20, 2017

CRUISE	MONTH	STATION	CHINOOK	COHO	SOCKEYE	PINK	CHUM	STICKLEBACK	SQUID	SOFT SCULPIN	JUVENILE POLLOCK	CUTTLEFISH	FLATFISH LARVAE	WOLF EEL	POACHER SP.
COS201731	MAY	HW01	1												
COS201731	MAY	HW02									13				
COS201731	MAY	HW03	3								9				
COS201731	MAY	HW04									31				
COS201731	MAY	HW05													
COS201731	MAY	HW06	2								6				
COS201731	MAY	HW07									8				
COS201731	MAY	HW08									6				
COS201731	MAY	HW09	1												
COS201731	MAY	HW10													
COS201731	MAY	HW11													
COS201731	MAY	HW12													
COS201731	MAY	HW13		2				1							1
COS201731	MAY	HW15	6	1				2			6				
COS201731	MAY	HW16									1				
COS201731	MAY	HW17									2			1	
COS201731	MAY	HW18									3				
COS201731	MAY	HW19									5			1	
COS201731	MAY	HW20								2	5				1
COS201731	MAY	HW21							1		8				
COS201731	MAY	HW22									5				
COS201731	MAY	HW23										1			
COS201731	MAY	HW24									2		2		
COS201731	MAY	HW29						7							
COS201731	MAY	HW30						174							
COS201731	MAY	HW31													
COS201731	MAY	HW32													
COS201731	MAY	HW33	1				1	1						1	
COS201731	MAY	HW35									1			1	
<b>TOTALS</b>			<b>14</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>185</b>	<b>1</b>	<b>2</b>	<b>111</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>2</b>

TABLE 4. CATCH SUMMARY JUNE 21-25, 2017

CRUISE	MONTH	STATION	CHINOOK	COHO	SOCKEYE	PINK	CHUM	HERRING	STICKLEBACK	ANCHOVY	LAMPREY	JUVENILE POLLOCK	WOLF EEL	POACHER SP.
COS201732	JUNE	HW01	5		3		5	3	20	19				
COS201732	JUNE	HW02							2	11		7		
COS201732	JUNE	HW03	1		1					1		3		
COS201732	JUNE	HW04	1									7		
COS201732	JUNE	HW05		1		1		73	119					1
COS201732	JUNE	HW06	1	1				5	44		1	2		
COS201732	JUNE	HW07							8			13		
COS201732	JUNE	HW08							4			1		4
COS201732	JUNE	HW09							2			1		
COS201732	JUNE	HW10	2									3		
COS201732	JUNE	HW11										2		1
COS201732	JUNE	HW12												
COS201732	JUNE	HW13							2					
COS201732	JUNE	HW14	1									10	1	
COS201732	JUNE	HW15										25		1
COS201732	JUNE	HW16							2			4	1	2
COS201732	JUNE	HW17						1				4		
COS201732	JUNE	HW18												
COS201732	JUNE	HW19										3		1
COS201732	JUNE	HW20										1		
COS201732	JUNE	HW21										6		1
COS201732	JUNE	HW22										19		
COS201732	JUNE	HW23										7		1
COS201732	JUNE	HW24										3		
COS201732	JUNE	HW25			3			34				3		3
COS201732	JUNE	HW26						15				4	1	1
COS201732	JUNE	HW27	2					1				16		3
COS201732	JUNE	HW29		2				29						
COS201732	JUNE	HW30						6						
COS201732	JUNE	HW31	1									3		
COS201732	JUNE	HW32										16		1
COS201732	JUNE	HW33							1			5		
COS201732	JUNE	HW34										4		
COS201732	JUNE	HW35										17		1
<b>TOTALS</b>			<b>14</b>	<b>4</b>	<b>7</b>	<b>1</b>	<b>5</b>	<b>167</b>	<b>204</b>	<b>31</b>	<b>1</b>	<b>189</b>	<b>3</b>	<b>21</b>

TABLE 5. CATCH SUMMARY JULY 17-21, 2017

CRUISE	MONTH	STATION	CHINOOK	COHO	SOCKEYE	PINK	CHUM	HERRING	STICKLEBACK	SQUID	PIPEFISH	SHINER PERCH	LAMPREY	JUVENILE POLLOCK	POACHER SP.
COS201733	JULY	HW01	36	1	3		1	335	19						
COS201733	JULY	HW02	4					35	3			1		2	1
COS201733	JULY	HW03	7		1		1	15	1					2	
COS201733	JULY	HW04	2				1								
COS201733	JULY	HW05	18		21		4	375	1						1
COS201733	JULY	HW06	1							3				1	
COS201733	JULY	HW07			8			11	1						
COS201733	JULY	HW08	2											2	
COS201733	JULY	HW09	11		15										
COS201733	JULY	HW10	4		1		1		3					1	
COS201733	JULY	HW11	5											1	
COS201733	JULY	HW12	2												
COS201733	JULY	HW13	14	1	3			10							
COS201733	JULY	HW14	1											4	
COS201733	JULY	HW15	1											2	
COS201733	JULY	HW16	2												1
COS201733	JULY	HW17	2											2	
COS201733	JULY	HW18	3											1	2
COS201733	JULY	HW19													1
COS201733	JULY	HW20													2
COS201733	JULY	HW21	5		6										
COS201733	JULY	HW22												6	
COS201733	JULY	HW23			24										
COS201733	JULY	HW24			2									1	
COS201733	JULY	HW25	55		3		2		4	1				2	3
COS201733	JULY	HW26	2		4									9	
COS201733	JULY	HW27	11											3	
COS201733	JULY	HW28	5		1		1							2	
COS201733	JULY	HW29	76	1	3		4	1	8		1				
COS201733	JULY	HW30	25		2				1				1		
COS201733	JULY	HW31	6												
COS201733	JULY	HW32	2												
COS201733	JULY	HW33	67		19				3						1
COS201733	JULY	HW34	2											10	
COS201733	JULY	HW35	9		3										
COS201733	JULY	HW37	35		28		1		1						
COS201733	JULY	HW38	2		4									1	1
COS201733	JULY	HW39	4						1						
COS201733	JULY	HW40	2											1	1
COS201733	JULY	HW41	13	1	11										
COS201733	JULY	HW42	3		11				1						
COS201733	JULY	HW43	7											1	1
COS201733	JULY	HW44	1		14									1	1
<b>TOTALS</b>			<b>447</b>	<b>4</b>	<b>187</b>	<b>0</b>	<b>16</b>	<b>782</b>	<b>47</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>55</b>	<b>16</b>

TABLE 6. CATCH SUMMARY AUGUST 25-28, 2016

CRUISE	MONTH	STATION	CHINOOK	COHO	SOCKEYE	PINK	CHUM	HERRING	STICKLEBACK	SQUID	PIPEFISH	DOGFISH	JUVENILE POLLOCK	POACHER SP.
COS201734	AUGUST	HW01	24		11			72	169					1
COS201734	AUGUST	HW02	2					4	54	1		1		
COS201734	AUGUST	HW03	6											
COS201734	AUGUST	HW04	5											
COS201734	AUGUST	HW05	7		1							1		
COS201734	AUGUST	HW06	1					1						
COS201734	AUGUST	HW07	2										1	
COS201734	AUGUST	HW08	2		2									1
COS201734	AUGUST	HW09	20		42		9	38	200					
COS201734	AUGUST	HW10	3		15		3	2	124					
COS201734	AUGUST	HW11	2		3		1	1	19					
COS201734	AUGUST	HW12	1		1				2					
COS201734	AUGUST	HW13	8		1			22	1170					
COS201734	AUGUST	HW14	3					3	1305					
COS201734	AUGUST	HW15	1					2	56					
COS201734	AUGUST	HW16	2						23	1			1	2
COS201734	AUGUST	HW17	9		48		27	11		1	1			1
COS201734	AUGUST	HW18	1		13	1								
COS201734	AUGUST	HW19	1										1	
COS201734	AUGUST	HW20	2		1			1						
COS201734	AUGUST	HW21												
COS201734	AUGUST	HW22	3		2									
COS201734	AUGUST	HW23	8		5			2						
COS201734	AUGUST	HW24			4				1	2				
COS201734	AUGUST	HW25	8		7			58	770					
COS201734	AUGUST	HW26								1			1	
COS201734	AUGUST	HW27	1					1	402					
COS201734	AUGUST	HW28	1		1				424					3
COS201734	AUGUST	HW29	28		12		1					4		
COS201734	AUGUST	HW30	5		2							1		
COS201734	AUGUST	HW31	29									6		
COS201734	AUGUST	HW32	13									1		
COS201734	AUGUST	HW33	16		293			198		1			1	
COS201734	AUGUST	HW34												
COS201734	AUGUST	HW35	2		6									
COS201734	AUGUST	HW36	2					1						
COS201734	AUGUST	HW37	4		16			108	279				1	
COS201734	AUGUST	HW38	2					5						
COS201734	AUGUST	HW39	3		1			3	4					
COS201734	AUGUST	HW40			4			1						
<b>TOTALS</b>			<b>227</b>	<b>0</b>	<b>491</b>	<b>1</b>	<b>41</b>	<b>534</b>	<b>5002</b>	<b>7</b>	<b>1</b>	<b>14</b>	<b>6</b>	<b>8</b>

**FIGURES**

FIGURE 1. FISHING STATIONS APRIL 17-21, 2017.

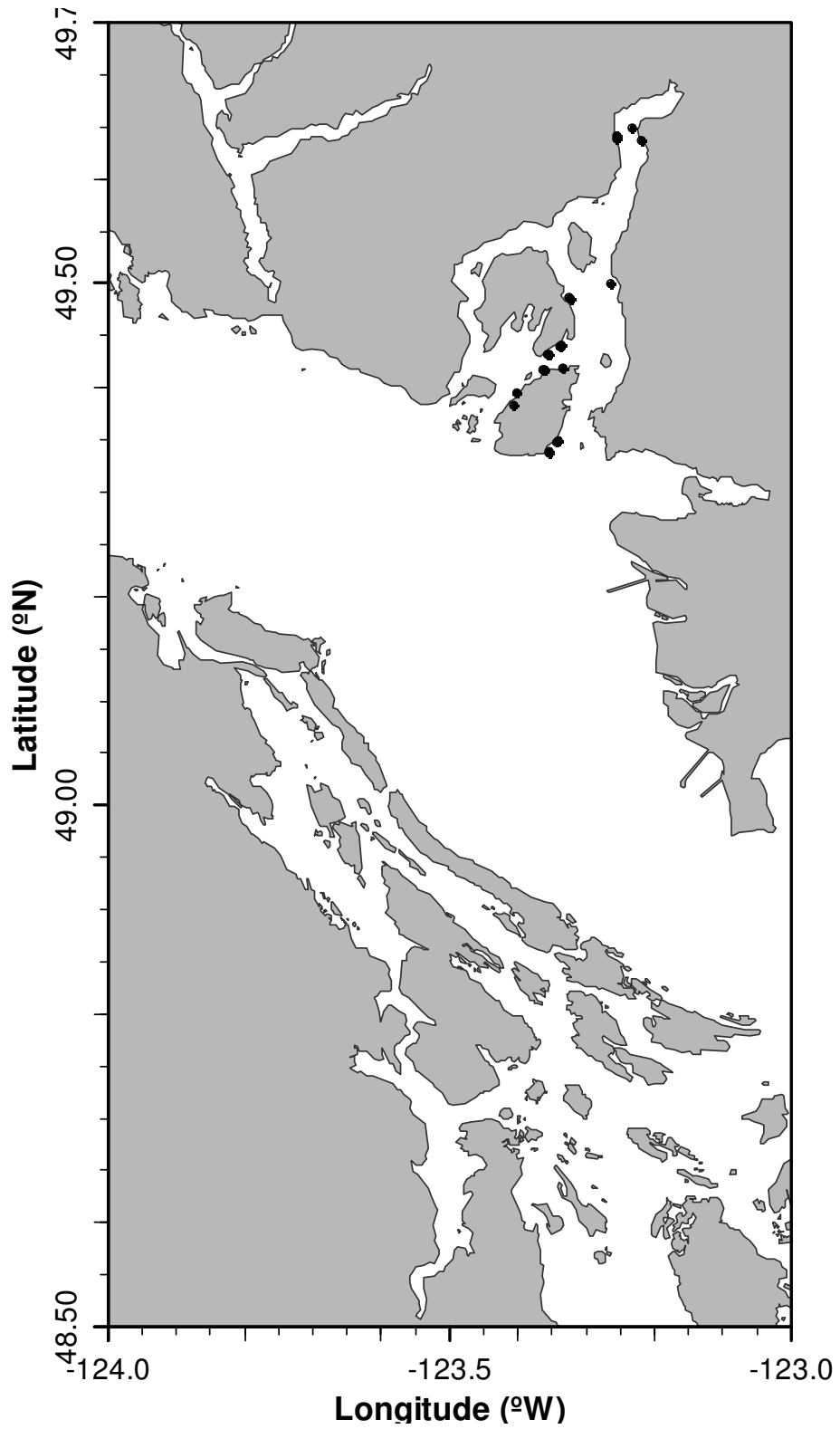


FIGURE 2. FISHING STATIONS MAY 16-20, 2017.

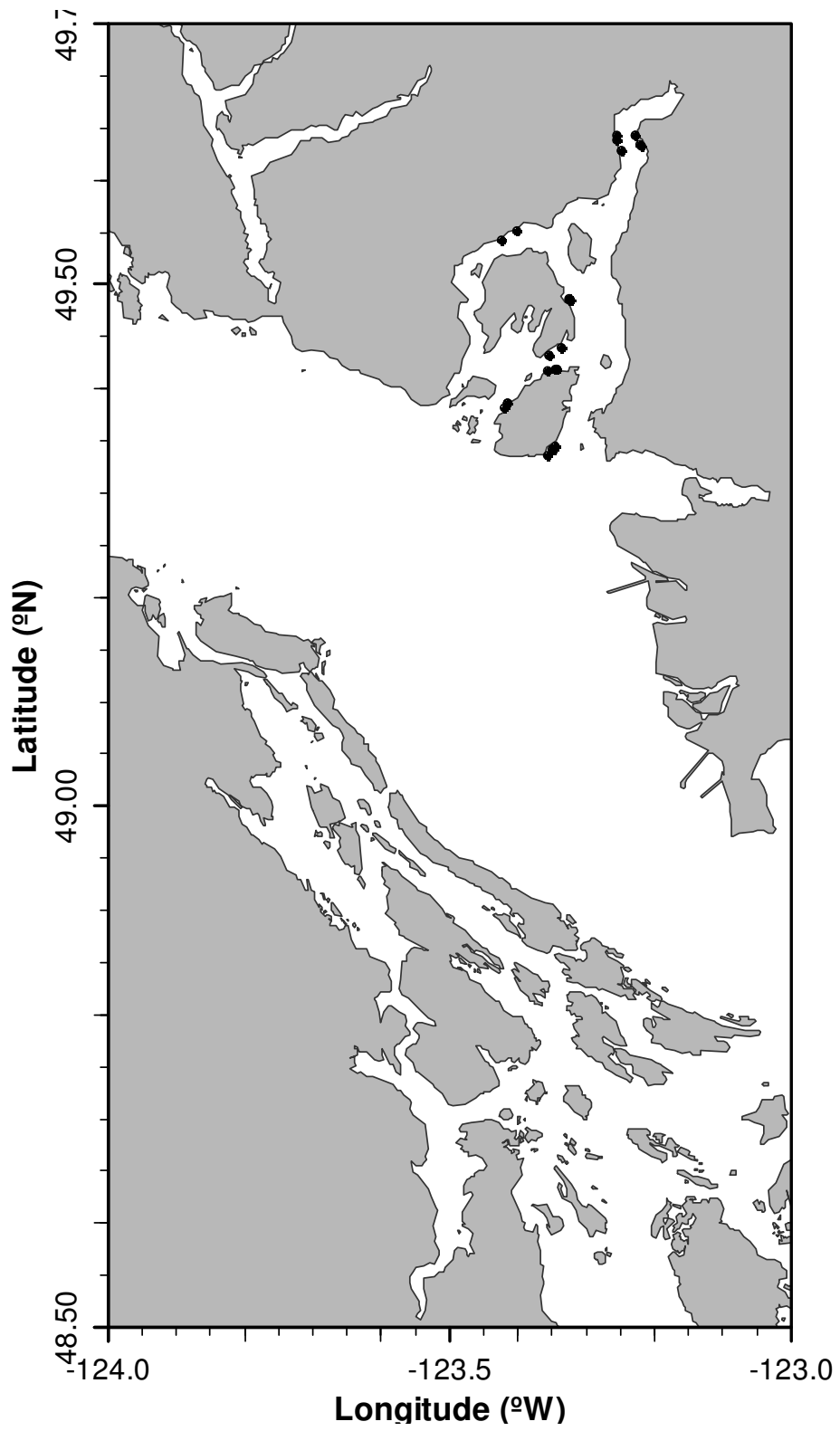




FIGURE 3. FISHING STATIONS JUNE 21-25, 2017.

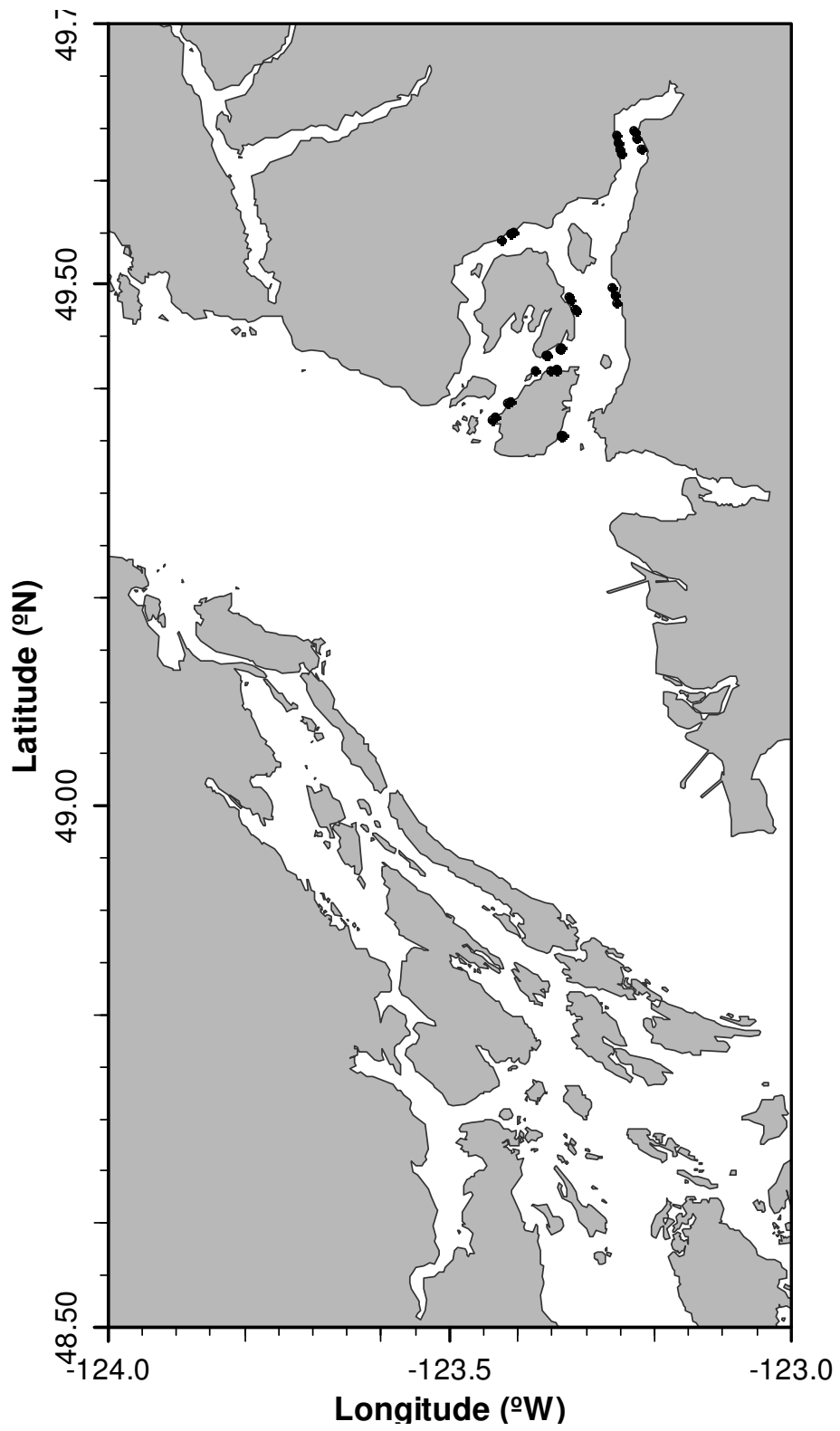


FIGURE 4. FISHING STATIONS JULY 17-21, 2017.

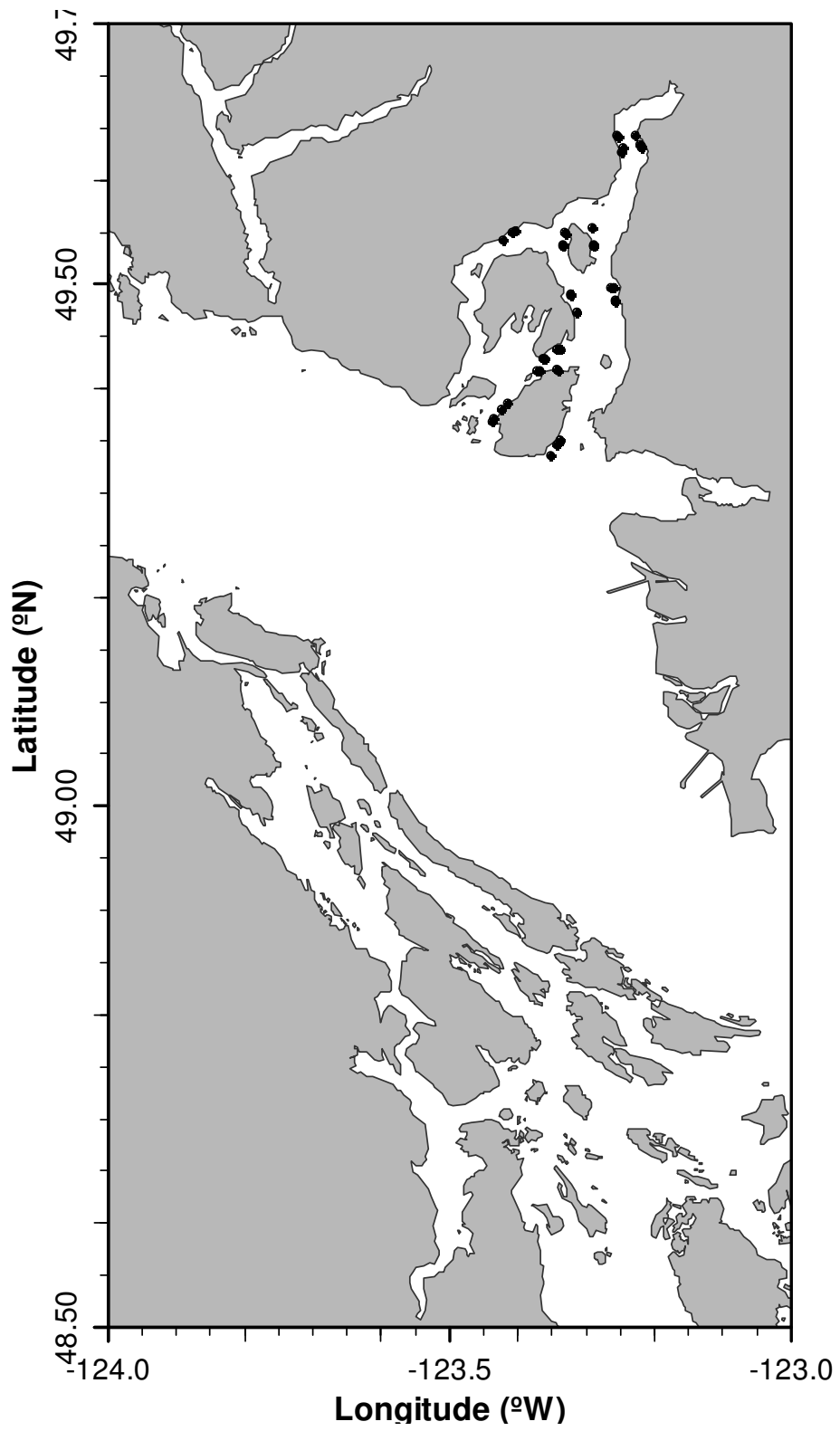


FIGURE 5. FISHING STATIONS AUGUST 22-26, 2017.

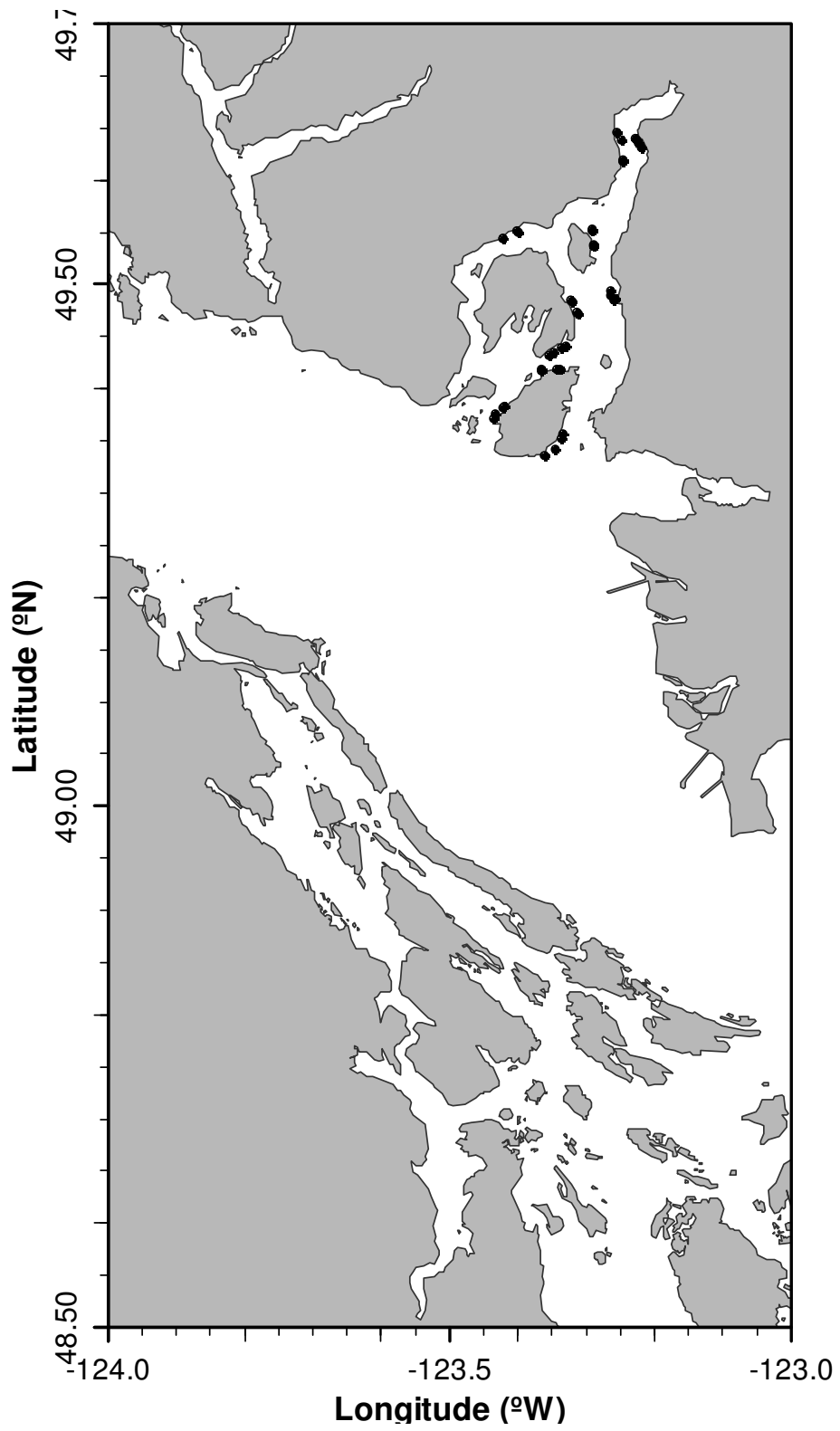


FIGURE 6. CHINOOK SALMON LENGTH FREQUENCY BY SURVEY

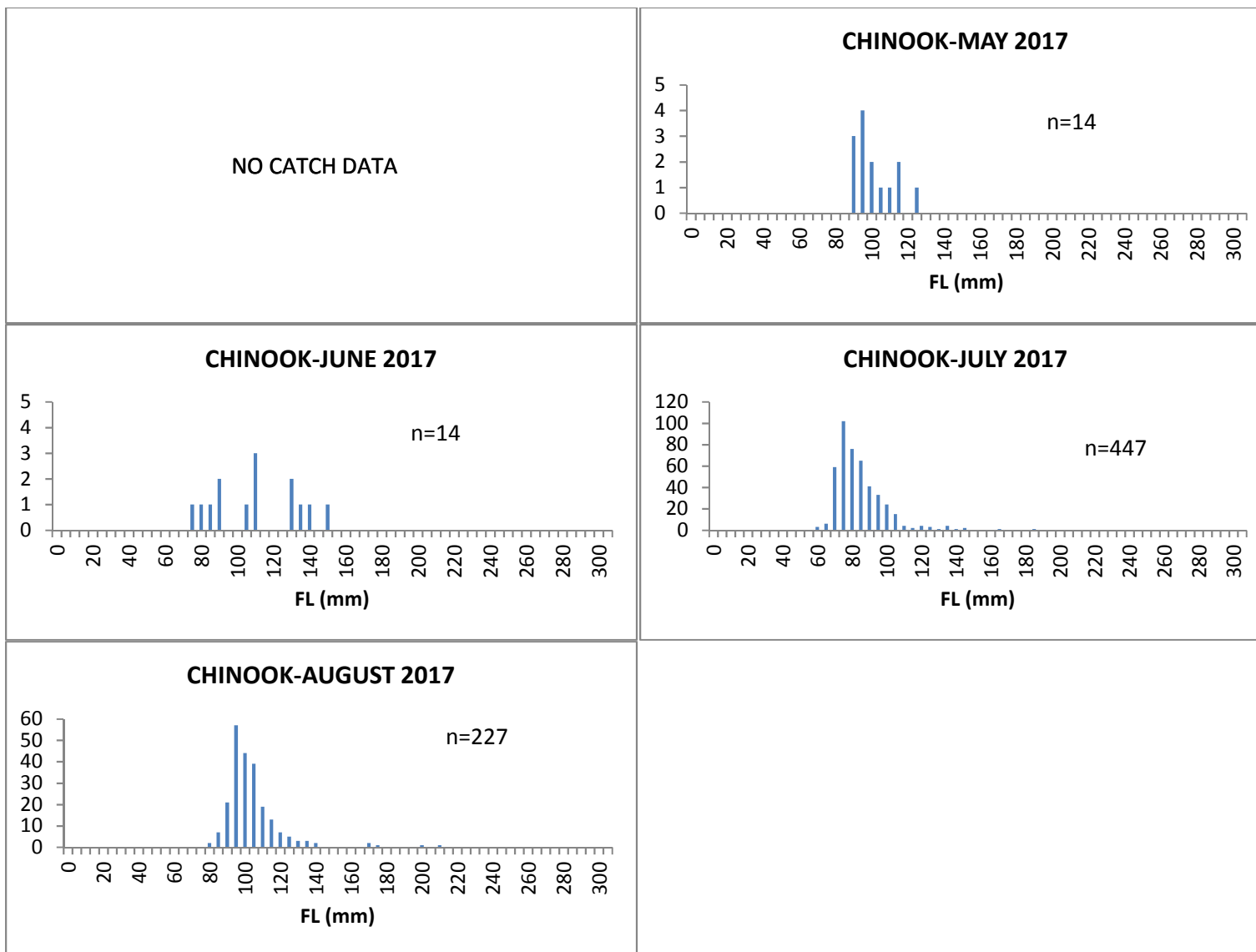


FIGURE 7. COHO SALMON LENGTH FREQUENCY BY SURVEY

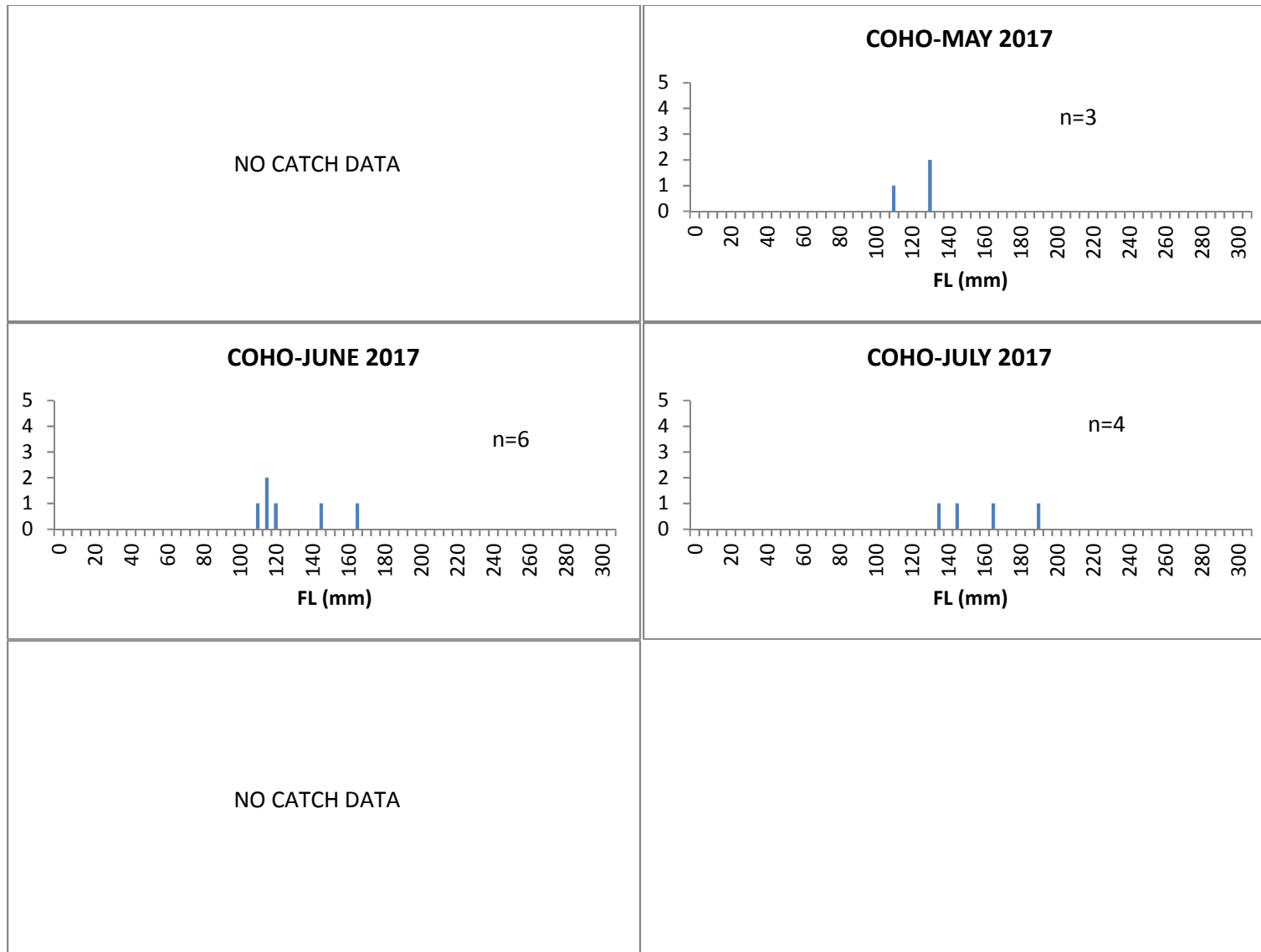


FIGURE 8. SOCKEYE SALMON LENGTH FREQUENCY BY SURVEY

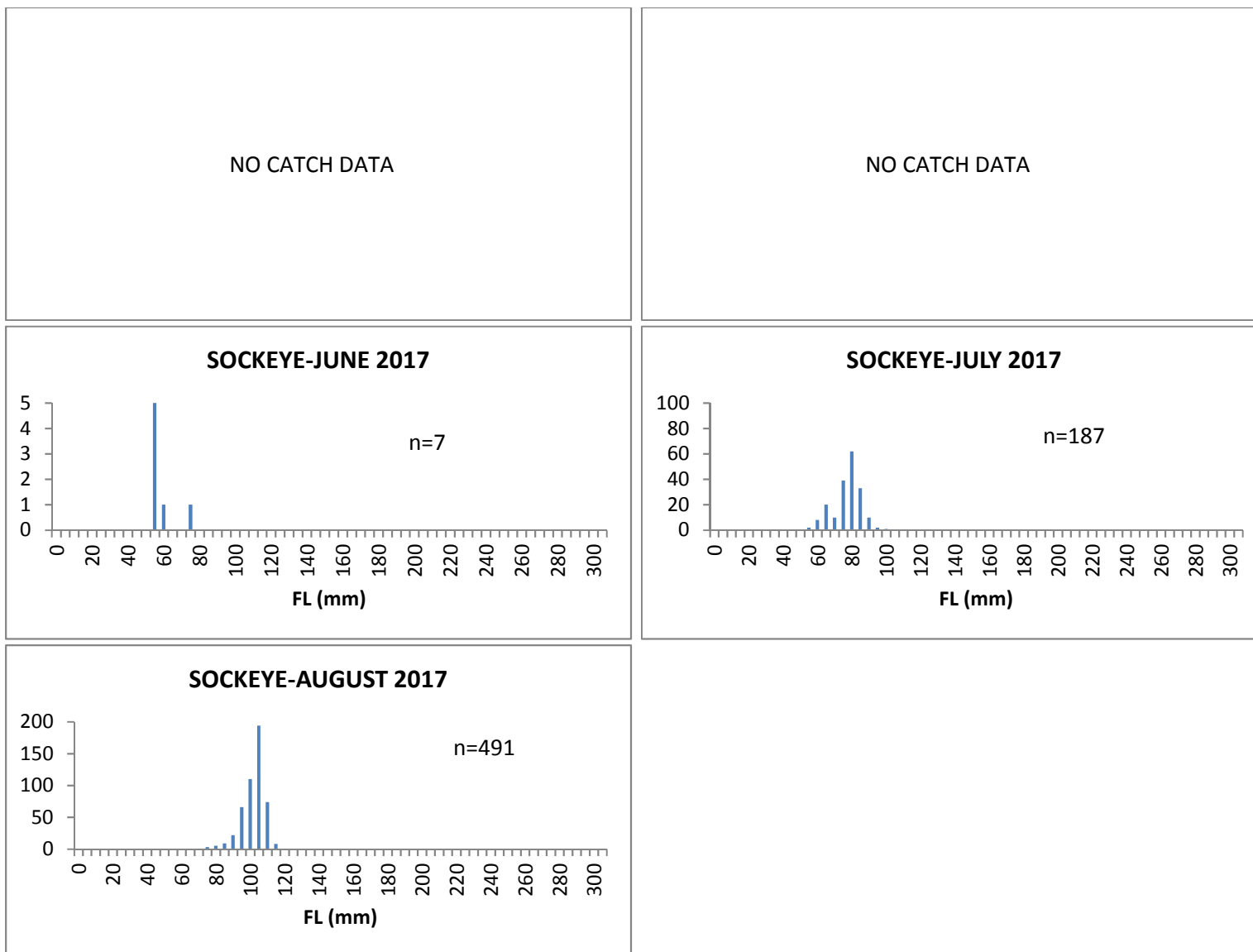


FIGURE 9. PINK SALMON LENGTH FREQUENCY BY SURVEY

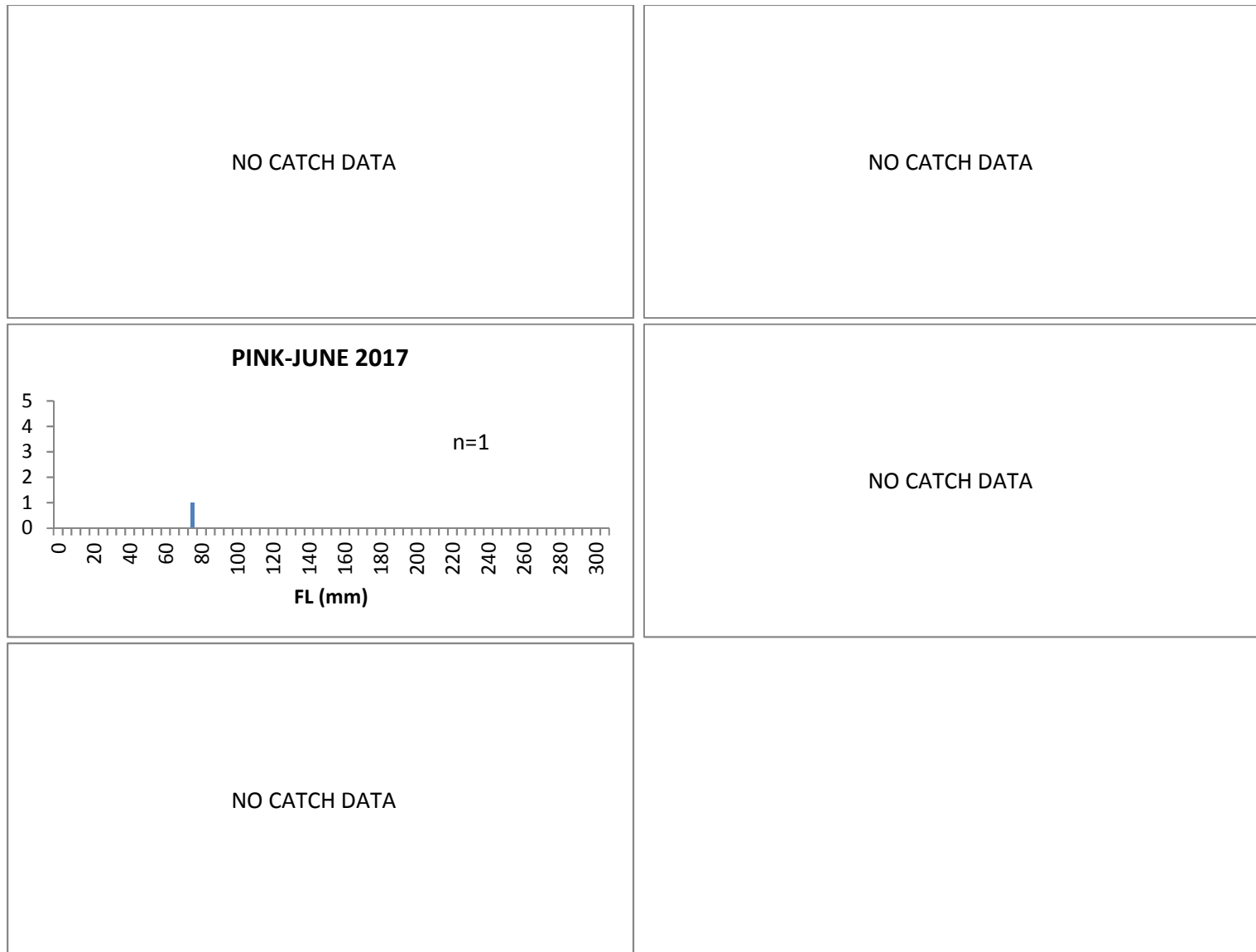
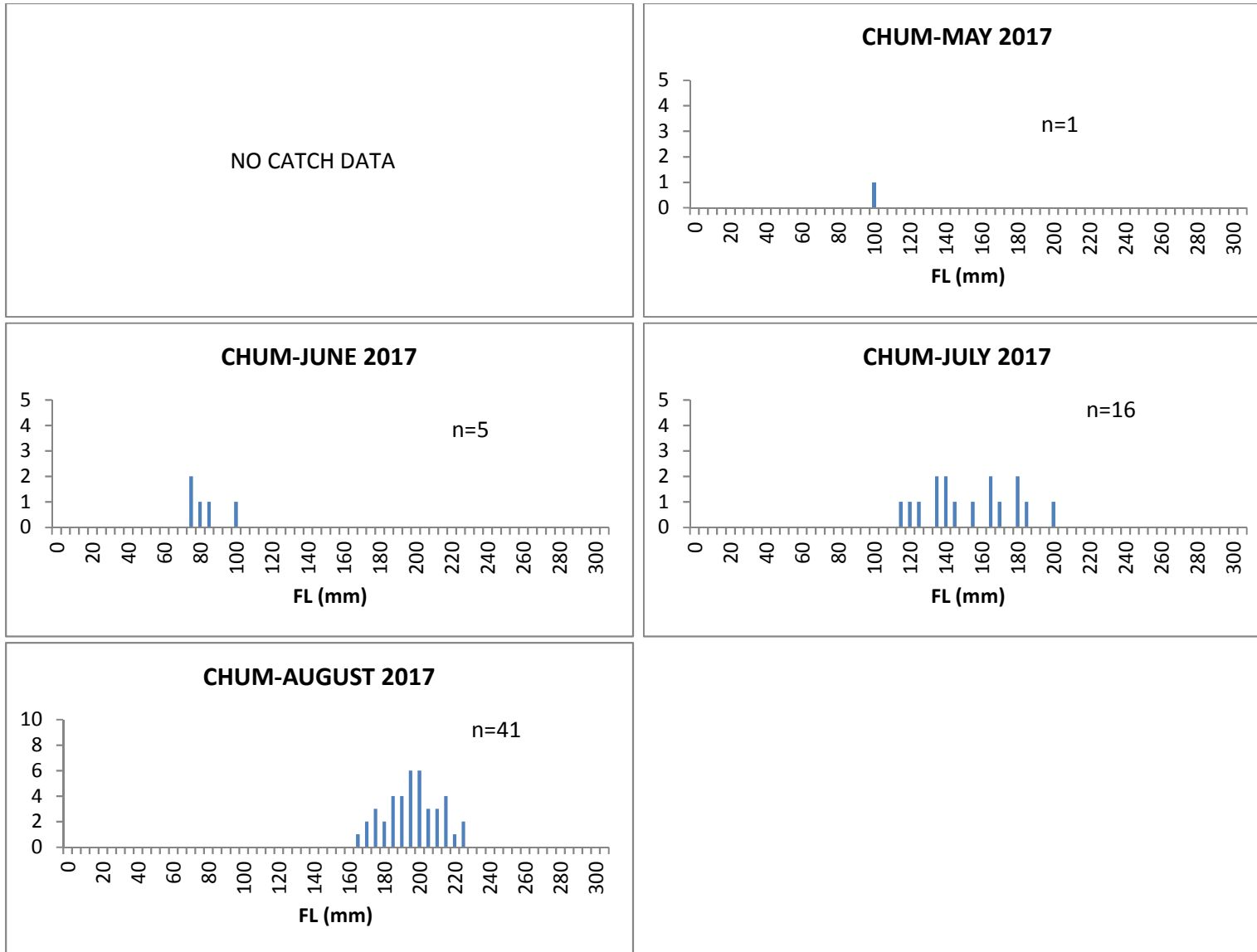


FIGURE 10. CHUM SALMON LENGTH FREQUENCY BY SURVEY





## APPENDIX: INDIVIDUAL CATCH DATA

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201731-HW01-124-001	CHINOOK	MAY	90	99	8			F	CK-1-A4		4	Y	
COS201731-HW03-124-001	CHINOOK	MAY	125	137	22			M	CK-1-A1		1	Y	
COS201731-HW03-124-002	CHINOOK	MAY	113	125	16			M	CK-1-A2		2	Y	
COS201731-HW03-124-003	CHINOOK	MAY	106	115	13			F	CK-1-A3		3	Y	
COS201731-HW33-124-001	CHINOOK	MAY	94	103	9			F	CK-1-A5		5	Y	
COS201731-HW06-124-001	CHINOOK	MAY	115	127	16			F	CK-1-A6		6	Y	
COS201731-HW06-124-002	CHINOOK	MAY	94	105	9			M	CK-1-A7		7	Y	
COS201731-HW09-124-001	CHINOOK	MAY	97	109	10			M	CK-1-A8		8	Y	
COS201731-HW15-124-001	CHINOOK	MAY	95	106	9			M	CK-1-A9		9	Y	
COS201731-HW15-124-002	CHINOOK	MAY	89	98	7				CK-1-A10		10	Y	
COS201731-HW15-124-003	CHINOOK	MAY	86	94	7				CK-1-A11		11	Y	
COS201731-HW15-124-004	CHINOOK	MAY	92	101	9				CK-1-A12		12	Y	
COS201731-HW15-124-005	CHINOOK	MAY	105	117	13			M	CK-1-B1		13	Y	
COS201731-HW15-124-006	CHINOOK	MAY	97	108	10			M	CK-1-B2		14	Y	
COS201731-HW33-112-001	CHUM	MAY	98	107	9			F			1	Y	
COS201731-HW13-115-001	COHO	MAY	127	138	20		AD	M			1	Y	
COS201731-HW13-115-002	COHO	MAY	106	115	13			F			2	Y	
COS201731-HW15-115-001	COHO	MAY	126	140	22			F			3	Y	
COS201732-HW31-124-001	CHINOOK	JUNE	76	82	5			F	CK-1-B3	1	15	Y	
COS201732-HW06-124-001	CHINOOK	JUNE	146	161	36			F	CK-1-B4	1	16	Y	
COS201732-HW10-124-001	CHINOOK	JUNE	88	97	7			M	CK-1-B5		17	Y	
COS201732-HW10-124-002	CHINOOK	JUNE	135	147	23			M	CK-1-B6		18	Y	
COS201732-HW14-124-001	CHINOOK	JUNE	87	96	6	Y	AD	M	CK-1-B7		19	Y	
COS201732-HW27-124-001	CHINOOK	JUNE	110	121	14			F	CK-1-B8		20	Y	
COS201732-HW27-124-002	CHINOOK	JUNE	105	114	13			M	CK-1-B9		21	Y	
COS201732-HW01-124-001	CHINOOK	JUNE	130	140				F			22	Y	TOO WINDY FOR WTS
COS201732-HW01-124-002	CHINOOK	JUNE	136	147				F			23	Y	TOO WINDY FOR WTS
COS201732-HW01-124-003	CHINOOK	JUNE	109	120		Y	AD	M			24	Y	TOO WINDY FOR WTS
COS201732-HW01-124-004	CHINOOK	JUNE	74	82				F			25	Y	TOO WINDY FOR WTS
COS201732-HW01-124-005	CHINOOK	JUNE	82	91				M			26	Y	TOO WINDY FOR WTS
COS201732-HW03-124-001	CHINOOK	JUNE	110	121		Y	AD	M	CK-1-B10		27	Y	TOO WINDY FOR WTS
COS201732-HW04-125-001	CHINOOK	JUNE	129	142		Y		M	CK-1-B11		28	Y	TOO WINDY FOR WTS
COS201732-HW01-112-001	CHUM	JUNE	96	103				M			2	Y	TOO WINDY FOR WTS
COS201732-HW01-112-002	CHUM	JUNE	83	91				F			3	Y	
COS201732-HW01-112-003	CHUM	JUNE	72	78				F			4	Y	
COS201732-HW01-112-004	CHUM	JUNE	71	77				F			5	Y	
COS201732-HW01-112-005	CHUM	JUNE	77	84				F			6	Y	
COS201732-HW29-115-001	COHO	JUNE	145	156	29		AD	F	CO-1-A4		4	Y	
COS201732-HW29-115-002	COHO	JUNE	115	126	14			M	CO-1-A5		5	Y	
COS201732-HW05-115-001	COHO	JUNE	118	131	18			F	CO-1-A6		6	Y	
COS201732-HW05-115-002	COHO	JUNE	109	121	10			M	CO-1-A7		7	Y	
COS201732-HW06-115-001	COHO	JUNE	112	123	14			M	CO-1-A8		8	Y	
COS201732-HW05-115-004	COHO	JUNE	165	182	51			M	CO-1-A9		9	Y	
COS201732-HW05-108-001	PINK	JUNE	75	83	4			M			1	Y	
COS201732-HW25-118-001	SOCKEYE	JUNE	71	74	3			M			1	Y	
COS201732-HW25-118-002	SOCKEYE	JUNE	60	65	2			M			2	Y	
COS201732-HW25-118-003	SOCKEYE	JUNE	54	59	2			U			3	Y	
COS201732-HW01-118-001	SOCKEYE	JUNE	55	61							4	Y	SCALE MESSED
COS201732-HW01-118-002	SOCKEYE	JUNE	53	57							5	Y	
COS201732-HW01-118-003	SOCKEYE	JUNE	53	57							6	Y	
COS201732-HW03-118-001	SOCKEYE	JUNE	55	60				M			7	Y	
COS201733-HW29-124-001	CHINOOK	JULY	75	82	4						29	Y	
COS201733-HW29-124-002	CHINOOK	JULY	100	110	11						30	Y	
COS201733-HW29-124-003	CHINOOK	JULY	95	104	9						31	Y	
COS201733-HW29-124-004	CHINOOK	JULY	74	82	5						32	Y	
COS201733-HW29-124-005	CHINOOK	JULY	87	97	7						33	Y	
COS201733-HW29-124-006	CHINOOK	JULY	70	77	4						34	Y	
COS201733-HW29-124-007	CHINOOK	JULY	74	80	4						35	Y	
COS201733-HW29-124-008	CHINOOK	JULY	102	111	11						36	Y	
COS201733-HW29-124-009	CHINOOK	JULY	66	72	4						37	Y	
COS201733-HW29-124-010	CHINOOK	JULY	95	104	10						38	Y	
COS201733-HW29-124-011	CHINOOK	JULY	97	107	10						39	Y	
COS201733-HW29-124-012	CHINOOK	JULY	89	94	8						40	Y	

APPENDIX: INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201733-HW29-124-013	CHINOOK	JULY	96	107	10						41	Y	
COS201733-HW29-124-014	CHINOOK	JULY	80	87	6						42	Y	
COS201733-HW29-124-015	CHINOOK	JULY	76	84	5						43	Y	
COS201733-HW29-124-016	CHINOOK	JULY	72										
COS201733-HW29-124-017	CHINOOK	JULY	75										
COS201733-HW29-124-018	CHINOOK	JULY	80										
COS201733-HW29-124-019	CHINOOK	JULY	78										
COS201733-HW29-124-020	CHINOOK	JULY	73										
COS201733-HW29-124-021	CHINOOK	JULY	70										
COS201733-HW29-124-022	CHINOOK	JULY	74										
COS201733-HW29-124-023	CHINOOK	JULY	82										
COS201733-HW29-124-024	CHINOOK	JULY	84										
COS201733-HW29-124-025	CHINOOK	JULY	106										
COS201733-HW29-124-026	CHINOOK	JULY	78										
COS201733-HW29-124-027	CHINOOK	JULY	95										
COS201733-HW29-124-028	CHINOOK	JULY	103										
COS201733-HW29-124-029	CHINOOK	JULY	82										
COS201733-HW29-124-030	CHINOOK	JULY	80										
COS201733-HW29-124-031	CHINOOK	JULY	120			Y	AD						
COS201733-HW29-124-032	CHINOOK	JULY	121			Y	AD						
COS201733-HW29-124-033	CHINOOK	JULY	105										
COS201733-HW29-124-034	CHINOOK	JULY	83										
COS201733-HW29-124-035	CHINOOK	JULY	95										
COS201733-HW29-124-036	CHINOOK	JULY	76										
COS201733-HW29-124-037	CHINOOK	JULY	76										
COS201733-HW29-124-038	CHINOOK	JULY	64										
COS201733-HW29-124-039	CHINOOK	JULY	97										
COS201733-HW29-124-040	CHINOOK	JULY	60										
COS201733-HW29-124-041	CHINOOK	JULY	82										
COS201733-HW29-124-042	CHINOOK	JULY	80										
COS201733-HW29-124-043	CHINOOK	JULY	83										
COS201733-HW29-124-044	CHINOOK	JULY	86										
COS201733-HW29-124-045	CHINOOK	JULY	74										
COS201733-HW29-124-046	CHINOOK	JULY	78										
COS201733-HW29-124-047	CHINOOK	JULY	71										
COS201733-HW29-124-048	CHINOOK	JULY	105										
COS201733-HW29-124-049	CHINOOK	JULY	77										
COS201733-HW29-124-050	CHINOOK	JULY	70										
COS201733-HW29-124-051	CHINOOK	JULY	91										
COS201733-HW29-124-052	CHINOOK	JULY	90										
COS201733-HW29-124-053	CHINOOK	JULY	83										
COS201733-HW29-124-054	CHINOOK	JULY	97										
COS201733-HW29-124-055	CHINOOK	JULY	97										
COS201733-HW29-124-056	CHINOOK	JULY	87										
COS201733-HW29-124-057	CHINOOK	JULY	90										
COS201733-HW29-124-058	CHINOOK	JULY	71										
COS201733-HW29-124-059	CHINOOK	JULY	75										
COS201733-HW29-124-060	CHINOOK	JULY	75										
COS201733-HW29-124-061	CHINOOK	JULY	71										
COS201733-HW29-124-062	CHINOOK	JULY	65										
COS201733-HW29-124-063	CHINOOK	JULY	73										
COS201733-HW29-124-064	CHINOOK	JULY	75										
COS201733-HW29-124-065	CHINOOK	JULY	70										
COS201733-HW29-124-066	CHINOOK	JULY	78										
COS201733-HW29-124-067	CHINOOK	JULY	76										
COS201733-HW29-124-068	CHINOOK	JULY	71										
COS201733-HW29-124-069	CHINOOK	JULY	77										
COS201733-HW29-124-070	CHINOOK	JULY	85										
COS201733-HW29-124-071	CHINOOK	JULY	105										
COS201733-HW29-124-072	CHINOOK	JULY	74										
COS201733-HW29-124-073	CHINOOK	JULY	95										
COS201733-HW29-124-074	CHINOOK	JULY	86										
COS201733-HW29-124-075	CHINOOK	JULY	68										

APPENDIX: INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201733-HW29-124-076	CHINOOK	JULY	63										
COS201733-HW30-124-001	CHINOOK	JULY	78	85	6						44	Y	
COS201733-HW30-124-002	CHINOOK	JULY	89	97	9						45	Y	
COS201733-HW30-124-003	CHINOOK	JULY	67	75							46	Y	TOO WINDY FOR WTS
COS201733-HW30-124-004	CHINOOK	JULY	82	90							47	Y	TOO WINDY FOR WTS
COS201733-HW30-124-005	CHINOOK	JULY	85	92							48	Y	TOO WINDY FOR WTS
COS201733-HW30-124-006	CHINOOK	JULY	70	77							49	Y	TOO WINDY FOR WTS
COS201733-HW30-124-007	CHINOOK	JULY	94	104							50	Y	TOO WINDY FOR WTS
COS201733-HW30-124-008	CHINOOK	JULY	132	144			AD				51	Y	TOO WINDY FOR WTS
COS201733-HW30-124-009	CHINOOK	JULY	96	105	9						52	Y	
COS201733-HW30-124-010	CHINOOK	JULY	72	79							53	Y	TOO WINDY FOR WTS
COS201733-HW30-124-011	CHINOOK	JULY	89	108							54	Y	TOO WINDY FOR WTS
COS201733-HW30-124-012	CHINOOK	JULY	88	97							55	Y	TOO WINDY FOR WTS
COS201733-HW30-124-013	CHINOOK	JULY	86	96							56	Y	TOO WINDY FOR WTS
COS201733-HW30-124-014	CHINOOK	JULY	77	85							57	Y	TOO WINDY FOR WTS
COS201733-HW30-124-015	CHINOOK	JULY	101	112							58	Y	TOO WINDY FOR WTS
COS201733-HW30-124-016	CHINOOK	JULY	84										
COS201733-HW30-124-017	CHINOOK	JULY	79										
COS201733-HW30-124-018	CHINOOK	JULY	72										
COS201733-HW30-124-019	CHINOOK	JULY	70										
COS201733-HW30-124-020	CHINOOK	JULY	60										
COS201733-HW30-124-021	CHINOOK	JULY	76										
COS201733-HW30-124-022	CHINOOK	JULY	78										
COS201733-HW30-124-023	CHINOOK	JULY	70										
COS201733-HW30-124-024	CHINOOK	JULY	75										
COS201733-HW30-124-025	CHINOOK	JULY	72										
COS201733-HW31-124-001	CHINOOK	JULY	93	102	9			F	CK-1-B12		59	Y	
COS201733-HW31-124-002	CHINOOK	JULY	87	95	7				CK-1-C1		60	Y	
COS201733-HW31-124-003	CHINOOK	JULY	71	80	3			M	CK-1-C2		61	Y	
COS201733-HW31-124-004	CHINOOK	JULY	100	111	11			M	CK-1-C3		62	Y	
COS201733-HW31-124-005	CHINOOK	JULY	75	83	4				CK-1-C4		63	Y	
COS201733-HW31-124-006	CHINOOK	JULY	76	84	5				CK-1-C5		64	Y	
COS201733-HW32-124-001	CHINOOK	JULY	87	96	7			F	CK-1-C6		65	Y	
COS201733-HW32-124-002	CHINOOK	JULY	71	78	3			M	CK-1-C7		66	Y	
COS201733-HW05-124-001	CHINOOK	JULY	87	97	7						67	Y	
COS201733-HW05-124-002	CHINOOK	JULY	82	90	7						68	Y	
COS201733-HW05-124-003	CHINOOK	JULY	76	84	4						69	Y	
COS201733-HW05-124-004	CHINOOK	JULY	81	90	6						70	Y	
COS201733-HW05-124-005	CHINOOK	JULY	81	90	6						71	Y	
COS201733-HW05-124-006	CHINOOK	JULY	85	92	6						72	Y	
COS201733-HW05-124-007	CHINOOK	JULY	94	104	9						73	Y	
COS201733-HW05-124-008	CHINOOK	JULY	66	74	3						74	Y	
COS201733-HW05-124-009	CHINOOK	JULY	103	113	12						75	Y	
COS201733-HW05-124-010	CHINOOK	JULY	68	75	3						76	Y	
COS201733-HW05-124-011	CHINOOK	JULY	69	75	3						77	Y	
COS201733-HW05-124-012	CHINOOK	JULY	85	95	8						78	Y	
COS201733-HW05-124-013	CHINOOK	JULY	92	101	8						79	Y	
COS201733-HW05-124-014	CHINOOK	JULY	75	83	4						80	Y	
COS201733-HW05-124-015	CHINOOK	JULY	70	77	3						81	Y	
COS201733-HW05-124-016	CHINOOK	JULY	73										
COS201733-HW05-124-017	CHINOOK	JULY	67										
COS201733-HW05-124-018	CHINOOK	JULY	68										
COS201733-HW06-124-001	CHINOOK	JULY	100	110	12				CK-1-C8		82	Y	
COS201733-HW08-124-001	CHINOOK	JULY	82	90	5			M	CK-1-C9		83	Y	
COS201733-HW08-124-002	CHINOOK	JULY	90	98	7			M	CK-1-C10		84	Y	
COS201733-HW09-124-001	CHINOOK	JULY	70	76	3						85	Y	
COS201733-HW09-124-002	CHINOOK	JULY	85	95	6						86	Y	
COS201733-HW09-124-003	CHINOOK	JULY	76	84	4						87	Y	
COS201733-HW09-124-004	CHINOOK	JULY	75	82	4						88	Y	
COS201733-HW09-124-005	CHINOOK	JULY	77	85	5						89	Y	
COS201733-HW09-124-006	CHINOOK	JULY	71	80	3						90	Y	
COS201733-HW09-124-007	CHINOOK	JULY	70	77	3						91	Y	
COS201733-HW09-124-008	CHINOOK	JULY	81	89	5						92	Y	

APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201733-HW09-124-009	CHINOOK	JULY	80	87	5						93	Y	
COS201733-HW09-124-010	CHINOOK	JULY	67	74	4						94	Y	
COS201733-HW09-124-011	CHINOOK	JULY	68	76	3						95	Y	
COS201733-HW10-124-001	CHINOOK	JULY	75	82	5			M	CK-1-C11		96	Y	
COS201733-HW10-124-002	CHINOOK	JULY	68	75	3			M	CK-1-C12		97	Y	
COS201733-HW10-124-003	CHINOOK	JULY	74	83	5				CK-1-D1		98	Y	
COS201733-HW10-124-004	CHINOOK	JULY	70	77	4			F	CK-1-D2		99	Y	
COS201733-HW11-124-001	CHINOOK	JULY	135	151	33			F	CK-1-D3		100	Y	
COS201733-HW11-124-002	CHINOOK	JULY	84	93	6				CK-1-D4		101	Y	
COS201733-HW11-124-003	CHINOOK	JULY	85	94	7			M	CK-1-D5		102	Y	
COS201733-HW11-124-004	CHINOOK	JULY	85	94	7			F	CK-1-D6		103	Y	
COS201733-HW11-124-005	CHINOOK	JULY	65	71	2				CK-1-D7		104	Y	
COS201733-HW12-124-001	CHINOOK	JULY	82	94	6				CK-1-D8		105	Y	
COS201733-HW12-124-002	CHINOOK	JULY	72	80	3				CK-1-D9		106	Y	
COS201733-HW13-124-001	CHINOOK	JULY	181	190	36						107	Y	
COS201733-HW13-124-002	CHINOOK	JULY	95	104	9						108	Y	
COS201733-HW13-124-003	CHINOOK	JULY	91	101	8						109	Y	
COS201733-HW13-124-004	CHINOOK	JULY	81	90	5						110	Y	
COS201733-HW13-124-005	CHINOOK	JULY	76	84	5						111	Y	
COS201733-HW13-124-006	CHINOOK	JULY	74	82	4						112	Y	
COS201733-HW13-124-007	CHINOOK	JULY	105	115	12						113	Y	
COS201733-HW13-124-008	CHINOOK	JULY	68	75	4						114	Y	
COS201733-HW13-124-009	CHINOOK	JULY	85	93	6						115	Y	
COS201733-HW13-124-010	CHINOOK	JULY	81	91	6						116	Y	
COS201733-HW13-124-011	CHINOOK	JULY	73	80	5						117	Y	
COS201733-HW13-124-012	CHINOOK	JULY	100	110	12			M	CK-1-D10		118	Y	
COS201733-HW13-124-013	CHINOOK	JULY	88	96	7			M	CK-1-D11		119	Y	
COS201733-HW13-124-014	CHINOOK	JULY	72	79	4			F	CK-1-D12		120	Y	
COS201733-HW14-124-001	CHINOOK	JULY	79	87	5			F	CK-1-E1		121	Y	
COS201733-HW15-124-001	CHINOOK	JULY	75	83	4			F	CK-1-E2		122	Y	
COS201733-HW16-124-001	CHINOOK	JULY	91	102	8			M	CK-1-E3		123	Y	
COS201733-HW16-124-002	CHINOOK	JULY	81	89	5			F	CK-1-E4		124	Y	
COS201733-HW21-124-001	CHINOOK	JULY	91	101	8			M			125	Y	
COS201733-HW21-124-002	CHINOOK	JULY	109	120	14			F			126	Y	
COS201733-HW21-124-003	CHINOOK	JULY	69	76	3			M			127	Y	
COS201733-HW21-124-004	CHINOOK	JULY	73	81	4			F			128	Y	
COS201733-HW21-124-005	CHINOOK	JULY	67	75	4			M			129	Y	
COS201733-HW17-124-001	CHINOOK	JULY	75	83	3			F	CK-1-E5		130	Y	
COS201733-HW17-124-002	CHINOOK	JULY	71	78	2			F	CK-1-E6		131	Y	
COS201733-HW18-124-001	CHINOOK	JULY	95	105	8				CK-1-E7		132	Y	
COS201733-HW18-124-002	CHINOOK	JULY	86	95	6				CK-1-E8		133	Y	
COS201733-HW18-124-003	CHINOOK	JULY	66	74	2				CK-1-E9		134	Y	
COS201733-HW33-124-001	CHINOOK	JULY	143	156	34	Y	AD				135	Y	
COS201733-HW33-124-002	CHINOOK	JULY	91	88	6						136	Y	
COS201733-HW33-124-003	CHINOOK	JULY	74	81	4						137	Y	
COS201733-HW33-124-004	CHINOOK	JULY	73	80	4						138	Y	
COS201733-HW33-124-005	CHINOOK	JULY	70	77	4						139	Y	
COS201733-HW33-124-006	CHINOOK	JULY	74	81	4						140	Y	
COS201733-HW33-124-007	CHINOOK	JULY	75	82	5						141	Y	
COS201733-HW33-124-008	CHINOOK	JULY	74	81	4						142	Y	
COS201733-HW33-124-009	CHINOOK	JULY	87	96	7						143	Y	
COS201733-HW33-124-010	CHINOOK	JULY	91	100	8						144	Y	
COS201733-HW33-124-011	CHINOOK	JULY	96	107	9						145	Y	
COS201733-HW33-124-012	CHINOOK	JULY	90	100	7						146	Y	
COS201733-HW33-124-013	CHINOOK	JULY	81	90	6						147	Y	
COS201733-HW33-124-014	CHINOOK	JULY	82	92	6						148	Y	
COS201733-HW33-124-015	CHINOOK	JULY	85	93	7						149	Y	
COS201733-HW33-124-016	CHINOOK	JULY	66										
COS201733-HW33-124-017	CHINOOK	JULY	80										
COS201733-HW33-124-018	CHINOOK	JULY	71										
COS201733-HW33-124-019	CHINOOK	JULY	69										
COS201733-HW33-124-020	CHINOOK	JULY	74										
COS201733-HW33-124-021	CHINOOK	JULY	86										

APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201733-HW33-124-022	CHINOOK	JULY	75										
COS201733-HW33-124-023	CHINOOK	JULY	78										
COS201733-HW33-124-024	CHINOOK	JULY	82										
COS201733-HW33-124-025	CHINOOK	JULY	105										
COS201733-HW33-124-026	CHINOOK	JULY	70										
COS201733-HW33-124-027	CHINOOK	JULY	75										
COS201733-HW33-124-028	CHINOOK	JULY	109										
COS201733-HW33-124-029	CHINOOK	JULY	76										
COS201733-HW33-124-030	CHINOOK	JULY	86										
COS201733-HW33-124-031	CHINOOK	JULY	91										
COS201733-HW33-124-032	CHINOOK	JULY	84										
COS201733-HW33-124-033	CHINOOK	JULY	65										
COS201733-HW33-124-034	CHINOOK	JULY	80										
COS201733-HW33-124-035	CHINOOK	JULY	90										
COS201733-HW33-124-036	CHINOOK	JULY	70										
COS201733-HW33-124-037	CHINOOK	JULY	89										
COS201733-HW33-124-038	CHINOOK	JULY	89										
COS201733-HW33-124-039	CHINOOK	JULY	82										
COS201733-HW33-124-040	CHINOOK	JULY	75										
COS201733-HW33-124-041	CHINOOK	JULY	75										
COS201733-HW33-124-042	CHINOOK	JULY	75										
COS201733-HW33-124-043	CHINOOK	JULY	75										
COS201733-HW33-124-044	CHINOOK	JULY	70										
COS201733-HW33-124-045	CHINOOK	JULY	94										
COS201733-HW33-124-046	CHINOOK	JULY	79										
COS201733-HW33-124-047	CHINOOK	JULY	75										
COS201733-HW33-124-048	CHINOOK	JULY	94										
COS201733-HW33-124-049	CHINOOK	JULY	80										
COS201733-HW33-124-050	CHINOOK	JULY	78										
COS201733-HW33-124-051	CHINOOK	JULY	88										
COS201733-HW33-124-052	CHINOOK	JULY	74										
COS201733-HW33-124-053	CHINOOK	JULY	89										
COS201733-HW33-124-054	CHINOOK	JULY	70										
COS201733-HW33-124-055	CHINOOK	JULY	76										
COS201733-HW33-124-056	CHINOOK	JULY	79										
COS201733-HW33-124-057	CHINOOK	JULY	77										
COS201733-HW33-124-058	CHINOOK	JULY	82										
COS201733-HW33-124-059	CHINOOK	JULY	76										
COS201733-HW33-124-060	CHINOOK	JULY	72										
COS201733-HW33-124-061	CHINOOK	JULY	68										
COS201733-HW33-124-062	CHINOOK	JULY	77										
COS201733-HW33-124-063	CHINOOK	JULY	71										
COS201733-HW33-124-064	CHINOOK	JULY	75										
COS201733-HW33-124-065	CHINOOK	JULY	75										
COS201733-HW33-124-066	CHINOOK	JULY	78										
COS201733-HW33-124-067	CHINOOK	JULY	80										
COS201733-HW34-124-001	CHINOOK	JULY	82	92	6				CK-1-E10		150	Y	
COS201733-HW34-124-002	CHINOOK	JULY	94	104	8				CK-1-E11		151	Y	
COS201733-HW35-124-001	CHINOOK	JULY	100	109	10						152	Y	
COS201733-HW35-124-002	CHINOOK	JULY	95	105	8						153	Y	
COS201733-HW35-124-003	CHINOOK	JULY	95	107	10						154	Y	
COS201733-HW35-124-004	CHINOOK	JULY	75	83	4						155	Y	
COS201733-HW35-124-005	CHINOOK	JULY	100	112	11						156	Y	
COS201733-HW35-124-006	CHINOOK	JULY	95	105	9						157	Y	
COS201733-HW35-124-007	CHINOOK	JULY	81	90	6						158	Y	
COS201733-HW35-124-008	CHINOOK	JULY	83	91	5						159	Y	
COS201733-HW35-124-009	CHINOOK	JULY	83	91	5						160	Y	
COS201733-HW25-124-001	CHINOOK	JULY	125	137	20	Y	AD				161	Y	
COS201733-HW25-124-002	CHINOOK	JULY	82	92	6						162	Y	
COS201733-HW25-124-003	CHINOOK	JULY	95	105	8						163	Y	
COS201733-HW25-124-004	CHINOOK	JULY	118	130	18						164	Y	
COS201733-HW25-124-005	CHINOOK	JULY	95	105	9						165	Y	
COS201733-HW25-124-006	CHINOOK	JULY	141	156	38						166	Y	

APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201733-HW25-124-007	CHINOOK	JULY	110	120	15						167	Y	
COS201733-HW25-124-008	CHINOOK	JULY	90	100	8						168	Y	
COS201733-HW25-124-009	CHINOOK	JULY	120	130	18						169	Y	
COS201733-HW25-124-010	CHINOOK	JULY	75	82	4						170	Y	
COS201733-HW25-124-011	CHINOOK	JULY	102	113	11						171	Y	
COS201733-HW25-124-012	CHINOOK	JULY	100	110	10						172	Y	
COS201733-HW25-124-013	CHINOOK	JULY	74	81	4						173	Y	
COS201733-HW25-124-014	CHINOOK	JULY	72	80	4						174	Y	
COS201733-HW25-124-015	CHINOOK	JULY	80	90	6						175	Y	
COS201733-HW25-124-016	CHINOOK	JULY	67										
COS201733-HW25-124-017	CHINOOK	JULY	68										
COS201733-HW25-124-018	CHINOOK	JULY	81										
COS201733-HW25-124-019	CHINOOK	JULY	75										
COS201733-HW25-124-020	CHINOOK	JULY	100										
COS201733-HW25-124-021	CHINOOK	JULY	71										
COS201733-HW25-124-022	CHINOOK	JULY	80										
COS201733-HW25-124-023	CHINOOK	JULY	81										
COS201733-HW25-124-024	CHINOOK	JULY	66										
COS201733-HW25-124-025	CHINOOK	JULY	76										
COS201733-HW25-124-026	CHINOOK	JULY	75										
COS201733-HW25-124-027	CHINOOK	JULY	78										
COS201733-HW25-124-028	CHINOOK	JULY	75										
COS201733-HW25-124-029	CHINOOK	JULY	96										
COS201733-HW25-124-030	CHINOOK	JULY	70										
COS201733-HW25-124-031	CHINOOK	JULY	74										
COS201733-HW25-124-032	CHINOOK	JULY	91										
COS201733-HW25-124-033	CHINOOK	JULY	85										
COS201733-HW25-124-034	CHINOOK	JULY	60										
COS201733-HW25-124-035	CHINOOK	JULY	68										
COS201733-HW25-124-036	CHINOOK	JULY	72										
COS201733-HW25-124-037	CHINOOK	JULY	76										
COS201733-HW25-124-038	CHINOOK	JULY	91										
COS201733-HW25-124-039	CHINOOK	JULY	81										
COS201733-HW25-124-040	CHINOOK	JULY	94										
COS201733-HW25-124-041	CHINOOK	JULY	71										
COS201733-HW25-124-042	CHINOOK	JULY	70										
COS201733-HW25-124-043	CHINOOK	JULY	85										
COS201733-HW25-124-044	CHINOOK	JULY	98										
COS201733-HW25-124-045	CHINOOK	JULY	76										
COS201733-HW25-124-046	CHINOOK	JULY	85										
COS201733-HW25-124-047	CHINOOK	JULY	76										
COS201733-HW25-124-048	CHINOOK	JULY	70										
COS201733-HW25-124-049	CHINOOK	JULY	82										
COS201733-HW25-124-050	CHINOOK	JULY	74										
COS201733-HW25-124-051	CHINOOK	JULY	69										
COS201733-HW25-124-052	CHINOOK	JULY	65										
COS201733-HW25-124-053	CHINOOK	JULY	66										
COS201733-HW25-124-054	CHINOOK	JULY	74										
COS201733-HW25-124-055	CHINOOK	JULY	67										
COS201733-HW26-124-001	CHINOOK	JULY	75	82	4						176	Y	
COS201733-HW26-124-002	CHINOOK	JULY	71	80	4						177	Y	
COS201733-HW27-124-001	CHINOOK	JULY	100	111	10						178	Y	
COS201733-HW27-124-002	CHINOOK	JULY	79	87	5						179	Y	
COS201733-HW27-124-003	CHINOOK	JULY	78	86	5						180	Y	
COS201733-HW27-124-004	CHINOOK	JULY	77	85	5						181	Y	
COS201733-HW27-124-005	CHINOOK	JULY	81	89	5						182	Y	
COS201733-HW27-124-006	CHINOOK	JULY	74	81	4						183	Y	
COS201733-HW27-124-007	CHINOOK	JULY	92	101	7						184	Y	
COS201733-HW27-124-008	CHINOOK	JULY	80	88	5						185	Y	
COS201733-HW27-124-009	CHINOOK	JULY	81	90	6						186	Y	
COS201733-HW27-124-010	CHINOOK	JULY	76	85	5						187	Y	
COS201733-HW27-124-011	CHINOOK	JULY	75	82	2						188	Y	
COS201733-HW28-124-001	CHINOOK	JULY	82	89	5						189	Y	

APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201733-HW28-124-002	CHINOOK	JULY	78	85	5						190	Y	
COS201733-HW28-124-003	CHINOOK	JULY	86	95	6						191	Y	
COS201733-HW28-124-004	CHINOOK	JULY	72	80	3						192	Y	
COS201733-HW28-124-005	CHINOOK	JULY	80	89	5						193	Y	
COS201733-HW37-124-001	CHINOOK	JULY	76	84	5						194	Y	
COS201733-HW37-124-002	CHINOOK	JULY	70	77	4						195	Y	
COS201733-HW37-124-003	CHINOOK	JULY	72	79	4						196	Y	
COS201733-HW37-124-004	CHINOOK	JULY	69	76	3						197	Y	
COS201733-HW37-124-005	CHINOOK	JULY	105	116	12						198	Y	
COS201733-HW37-124-006	CHINOOK	JULY	70	77	4						199	Y	
COS201733-HW37-124-007	CHINOOK	JULY	92	102	10						200	Y	
COS201733-HW37-124-008	CHINOOK	JULY	82	94	7						201	Y	
COS201733-HW37-124-009	CHINOOK	JULY	73	80	4						202	Y	
COS201733-HW37-124-010	CHINOOK	JULY	70	77	4						203	Y	
COS201733-HW37-124-011	CHINOOK	JULY	99	109	9						204	Y	
COS201733-HW37-124-012	CHINOOK	JULY	88	95	6						205	Y	
COS201733-HW37-124-013	CHINOOK	JULY	66	71	3						206	Y	
COS201733-HW37-124-014	CHINOOK	JULY	75	82	4						207	Y	
COS201733-HW37-124-015	CHINOOK	JULY	80	89	5						208	Y	
COS201733-HW37-124-016	CHINOOK	JULY	86										
COS201733-HW37-124-017	CHINOOK	JULY	77										
COS201733-HW37-124-018	CHINOOK	JULY	70										
COS201733-HW37-124-019	CHINOOK	JULY	83										
COS201733-HW37-124-020	CHINOOK	JULY	76										
COS201733-HW37-124-021	CHINOOK	JULY	74										
COS201733-HW37-124-022	CHINOOK	JULY	87										
COS201733-HW37-124-023	CHINOOK	JULY	73										
COS201733-HW37-124-024	CHINOOK	JULY	71										
COS201733-HW37-124-025	CHINOOK	JULY	66										
COS201733-HW37-124-026	CHINOOK	JULY	80										
COS201733-HW37-124-027	CHINOOK	JULY	70										
COS201733-HW37-124-028	CHINOOK	JULY	70										
COS201733-HW37-124-029	CHINOOK	JULY	73										
COS201733-HW37-124-030	CHINOOK	JULY	84										
COS201733-HW37-124-031	CHINOOK	JULY	79										
COS201733-HW37-124-032	CHINOOK	JULY	70										
COS201733-HW37-124-033	CHINOOK	JULY	76										
COS201733-HW37-124-034	CHINOOK	JULY	75										
COS201733-HW37-124-035	CHINOOK	JULY	73										
COS201733-HW38-124-001	CHINOOK	JULY	90	97	8						209	Y	
COS201733-HW38-124-002	CHINOOK	JULY	75	82	4						210	Y	
COS201733-HW39-124-001	CHINOOK	JULY	97	106	9						211	Y	
COS201733-HW39-124-002	CHINOOK	JULY	85	95	7						212	Y	
COS201733-HW39-124-003	CHINOOK	JULY	77	85	5						213	Y	
COS201733-HW39-124-004	CHINOOK	JULY	76	83	5						214	Y	
COS201733-HW40-124-001	CHINOOK	JULY	86	94	6						215	Y	
COS201733-HW40-124-002	CHINOOK	JULY	70	77	4						216	Y	
COS201733-HW41-124-001	CHINOOK	JULY	135	147	27	Y	AD				217	Y	
COS201733-HW41-124-002	CHINOOK	JULY	125	138	23	Y	AD				218	Y	
COS201733-HW41-124-003	CHINOOK	JULY	113	125	17						219	Y	
COS201733-HW41-124-004	CHINOOK	JULY	88	97	7						220	Y	
COS201733-HW41-124-005	CHINOOK	JULY	74	81	4						221	Y	
COS201733-HW41-124-006	CHINOOK	JULY	84	92	6						222	Y	
COS201733-HW41-124-007	CHINOOK	JULY	74	81	4						223	Y	
COS201733-HW41-124-008	CHINOOK	JULY	69	75	3						224	Y	
COS201733-HW41-124-009	CHINOOK	JULY	80	88	6						225	Y	
COS201733-HW41-124-010	CHINOOK	JULY	74	81	4						226	Y	
COS201733-HW41-124-011	CHINOOK	JULY	74	81	4						227	Y	
COS201733-HW41-124-012	CHINOOK	JULY	80	88	5						228	Y	
COS201733-HW41-124-013	CHINOOK	JULY	161	172	53						229	Y	
COS201733-HW42-124-001	CHINOOK	JULY	77	85	4						230	Y	
COS201733-HW42-124-002	CHINOOK	JULY	74	81	4						231	Y	
COS201733-HW42-124-003	CHINOOK	JULY	71	80	7						232	Y	

APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201733-HW43-124-001	CHINOOK	JULY	102	111	10		AD				233	Y	
COS201733-HW43-124-002	CHINOOK	JULY	95	105	9						234	Y	
COS201733-HW43-124-003	CHINOOK	JULY	85	94	6						235	Y	
COS201733-HW43-124-004	CHINOOK	JULY	94	104	9						236	Y	
COS201733-HW43-124-005	CHINOOK	JULY	75	84	4						237	Y	
COS201733-HW43-124-006	CHINOOK	JULY	70	77	4						238	Y	
COS201733-HW43-124-007	CHINOOK	JULY	75	82	4						239	Y	
COS201733-HW44-124-001	CHINOOK	JULY	68	74	3						240	Y	
COS201733-HW01-124-001	CHINOOK	JULY	126	140	24	Y	AD				241	Y	
COS201733-HW01-124-002	CHINOOK	JULY	133	144	27	Y	AD				242	Y	
COS201733-HW01-124-003	CHINOOK	JULY	136	151	32						243	Y	
COS201733-HW01-124-004	CHINOOK	JULY	90	100	8						244	Y	
COS201733-HW01-124-005	CHINOOK	JULY	71	79	4						245	Y	
COS201733-HW01-124-006	CHINOOK	JULY	111	122	16						246	Y	
COS201733-HW01-124-007	CHINOOK	JULY	97	107	10						247	Y	
COS201733-HW01-124-008	CHINOOK	JULY	85	95	6						248	Y	
COS201733-HW01-124-009	CHINOOK	JULY	78	86	5						249	Y	
COS201733-HW01-124-010	CHINOOK	JULY	82	90	5						250	Y	
COS201733-HW01-124-011	CHINOOK	JULY	84	92	6						251	Y	
COS201733-HW01-124-012	CHINOOK	JULY	84	91	5						252	Y	
COS201733-HW01-124-013	CHINOOK	JULY	79	86	5						253	Y	
COS201733-HW01-124-014	CHINOOK	JULY	75	82	4						254	Y	
COS201733-HW01-124-015	CHINOOK	JULY	79	87	5						255	Y	
COS201733-HW01-124-016	CHINOOK	JULY	72										
COS201733-HW01-124-017	CHINOOK	JULY	85										
COS201733-HW01-124-018	CHINOOK	JULY	87										
COS201733-HW01-124-019	CHINOOK	JULY	78										
COS201733-HW01-124-020	CHINOOK	JULY	103										
COS201733-HW01-124-021	CHINOOK	JULY	71										
COS201733-HW01-124-022	CHINOOK	JULY	75										
COS201733-HW01-124-023	CHINOOK	JULY	101										
COS201733-HW01-124-024	CHINOOK	JULY	119										
COS201733-HW01-124-025	CHINOOK	JULY	80										
COS201733-HW01-124-026	CHINOOK	JULY	83										
COS201733-HW01-124-027	CHINOOK	JULY	86										
COS201733-HW01-124-028	CHINOOK	JULY	80										
COS201733-HW01-124-029	CHINOOK	JULY	77										
COS201733-HW01-124-030	CHINOOK	JULY	75										
COS201733-HW01-124-031	CHINOOK	JULY	86										
COS201733-HW01-124-032	CHINOOK	JULY	75										
COS201733-HW01-124-033	CHINOOK	JULY	97										
COS201733-HW01-124-034	CHINOOK	JULY	71										
COS201733-HW01-124-035	CHINOOK	JULY	76										
COS201733-HW01-124-036	CHINOOK	JULY	72										
COS201733-HW02-124-001	CHINOOK	JULY	90	101	8						256	Y	
COS201733-HW02-124-002	CHINOOK	JULY	99	110	10						257	Y	
COS201733-HW02-124-003	CHINOOK	JULY	82	90	5						258	Y	
COS201733-HW02-124-004	CHINOOK	JULY	82	90	5						259	Y	
COS201733-HW03-124-001	CHINOOK	JULY	104	115	12						260	Y	
COS201733-HW03-124-002	CHINOOK	JULY	80	89	5						261	Y	
COS201733-HW03-124-003	CHINOOK	JULY	100	111	11						262	Y	
COS201733-HW03-124-004	CHINOOK	JULY	89	97	7						263	Y	
COS201733-HW03-124-005	CHINOOK	JULY	84	82	6						264	Y	
COS201733-HW03-124-006	CHINOOK	JULY	78	86	5						265	Y	
COS201733-HW03-124-007	CHINOOK	JULY	68	75	3						266	Y	
COS201733-HW04-124-001	CHINOOK	JULY	90	99	7			F			267	Y	
COS201733-HW04-124-002	CHINOOK	JULY	85	94	6			F			268	Y	
COS201733-HW29-112-001	CHUM	JULY	165	181	54						7	Y	
COS201733-HW29-112-002	CHUM	JULY	180	196	60						8	Y	
COS201733-HW29-112-003	CHUM	JULY	115	125	15						9	Y	
COS201733-HW29-112-004	CHUM	JULY	134	146	26						10	Y	
COS201733-HW05-112-001	CHUM	JULY	131	144	23						11	Y	
COS201733-HW05-112-002	CHUM	JULY	141	153	28						12	Y	



APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201733-HW05-112-003	CHUM	JULY	166	182	47						13	Y	
COS201733-HW05-112-004	CHUM	JULY	152	166	35						14	Y	
COS201733-HW10-112-001	CHUM	JULY	198	217	81						15	Y	
COS201733-HW25-112-001	CHUM	JULY	137	151	29						16	Y	
COS201733-HW25-112-002	CHUM	JULY	177	193	57						17	Y	
COS201733-HW28-112-001	CHUM	JULY	120	132	17						18	Y	
COS201733-HW37-112-001	CHUM	JULY	123	134	17						19	Y	
COS201733-HW01-112-001	CHUM	JULY	140	155	26						20	Y	
COS201733-HW03-112-001	CHUM	JULY	165	180	43			F			21	Y	
COS201733-HW04-112-001	CHUM	JULY	181	198	58			F			22	Y	
COS201733-HW29-115-001	COHO	JULY	188	206	83						10	Y	
COS201733-HW13-115-001	COHO	JULY	134	149	27			M	CO-1-A10		11	Y	
COS201733-HW41-115-001	COHO	JULY	141	155	33				CO-1-A11		12	Y	
COS201733-HW01-115-001	COHO	JULY	162	178	55						13	Y	
COS201733-HW29-118-001	SOCKEYE	JULY	79	87	5						8	Y	
COS201733-HW29-118-002	SOCKEYE	JULY	78	86	4						9	Y	
COS201733-HW29-118-003	SOCKEYE	JULY	62	67	2						10	Y	
COS201733-HW30-118-001	SOCKEYE	JULY	75	80	3						11	Y	
COS201733-HW30-118-002	SOCKEYE	JULY	55	61	2						12	Y	
COS201733-HW05-118-001	SOCKEYE	JULY	88	98	6						13	Y	
COS201733-HW05-118-002	SOCKEYE	JULY	66	73	3						14	Y	
COS201733-HW05-118-003	SOCKEYE	JULY	73	80	4						15	Y	
COS201733-HW05-118-004	SOCKEYE	JULY	75	84	5						16	Y	
COS201733-HW05-118-005	SOCKEYE	JULY	77	85	4						17	Y	
COS201733-HW05-118-006	SOCKEYE	JULY	81	90	5						18	Y	
COS201733-HW05-118-007	SOCKEYE	JULY	82	91	5						19	Y	
COS201733-HW05-118-008	SOCKEYE	JULY	73	82	4						20	Y	
COS201733-HW05-118-009	SOCKEYE	JULY	74	83	4						21	Y	
COS201733-HW05-118-010	SOCKEYE	JULY	82	90	5						22	Y	
COS201733-HW05-118-011	SOCKEYE	JULY	90	101	7						23	Y	
COS201733-HW05-118-012	SOCKEYE	JULY	80	87	5						24	Y	
COS201733-HW05-118-013	SOCKEYE	JULY	76	85	4						25	Y	
COS201733-HW05-118-014	SOCKEYE	JULY	77	85	5						26	Y	
COS201733-HW05-118-015	SOCKEYE	JULY	80	87	5						27	Y	
COS201733-HW05-118-016	SOCKEYE	JULY	78										
COS201733-HW05-118-017	SOCKEYE	JULY	85										
COS201733-HW05-118-018	SOCKEYE	JULY	81										
COS201733-HW05-118-019	SOCKEYE	JULY	79										
COS201733-HW05-118-020	SOCKEYE	JULY	76										
COS201733-HW05-118-021	SOCKEYE	JULY	82										
COS201733-HW07-118-001	SOCKEYE	JULY	82	92	5				SE-1-A5		28	Y	
COS201733-HW07-118-002	SOCKEYE	JULY	80	88	5				SE-1-A6		29	Y	
COS201733-HW07-118-003	SOCKEYE	JULY	70	76	3				SE-1-A7		30	Y	
COS201733-HW07-118-004	SOCKEYE	JULY	76	84	4				SE-1-A8		31	Y	
COS201733-HW07-118-005	SOCKEYE	JULY	82	91	5				SE-1-A9		32	Y	
COS201733-HW07-118-006	SOCKEYE	JULY	86	95	6				SE-1-A10		33	Y	
COS201733-HW07-118-007	SOCKEYE	JULY	71	77	3				SE-1-A11		34	Y	
COS201733-HW07-118-008	SOCKEYE	JULY	75	83	3				SE-1-A12		35	Y	
COS201733-HW09-118-001	SOCKEYE	JULY	77	85	3						36	Y	
COS201733-HW09-118-002	SOCKEYE	JULY	85	93	4						37	Y	
COS201733-HW09-118-003	SOCKEYE	JULY	72	80	2						38	Y	
COS201733-HW09-118-004	SOCKEYE	JULY	78	86	3						39	Y	
COS201733-HW09-118-005	SOCKEYE	JULY	78	87							40	Y	TOO WINDY NO WTS
COS201733-HW09-118-006	SOCKEYE	JULY	72	79	3						41	Y	
COS201733-HW09-118-007	SOCKEYE	JULY	83	91	4						42	Y	
COS201733-HW09-118-008	SOCKEYE	JULY	80	89							43	Y	TOO WINDY NO WTS
COS201733-HW09-118-009	SOCKEYE	JULY	64	69							44	Y	TOO WINDY NO WTS
COS201733-HW09-118-010	SOCKEYE	JULY	66	73							45	Y	TOO WINDY NO WTS
COS201733-HW09-118-011	SOCKEYE	JULY	82	91							46	Y	TOO WINDY NO WTS
COS201733-HW09-118-012	SOCKEYE	JULY	83	91							47	Y	TOO WINDY NO WTS
COS201733-HW09-118-013	SOCKEYE	JULY	75	85							48	Y	TOO WINDY NO WTS
COS201733-HW09-118-014	SOCKEYE	JULY	75	84							49	Y	TOO WINDY NO WTS
COS201733-HW09-118-015	SOCKEYE	JULY	74	81							50	Y	TOO WINDY NO WTS

APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	O/1	DNA	Sample	Comments
COS201733-HW10-118-001	SOCKEYE	JULY	61	68	3				SE-1-B1		51	Y	
COS201733-HW13-118-001	SOCKEYE	JULY	82	90	5			F	SE-1-B2		52	Y	
COS201733-HW13-118-002	SOCKEYE	JULY	90	101	7			M	SE-1-B3		53	Y	
COS201733-HW13-118-003	SOCKEYE	JULY	82	91	5			M	SE-1-B4		54	Y	
COS201733-HW21-118-001	SOCKEYE	JULY	60	66	2				SE-1-B5		55	Y	
COS201733-HW21-118-002	SOCKEYE	JULY	59	65	2				SE-1-B6		56	Y	
COS201733-HW21-118-003	SOCKEYE	JULY	66	73	3				SE-1-B7		57	Y	
COS201733-HW21-118-004	SOCKEYE	JULY	72	80	3				SE-1-B8		58	Y	
COS201733-HW21-118-005	SOCKEYE	JULY	83	92	5				SE-1-B9		59	Y	
COS201733-HW21-118-006	SOCKEYE	JULY	61	67	2				SE-1-B10		60	Y	
COS201733-HW23-118-001	SOCKEYE	JULY	65	71	2						61	Y	
COS201733-HW23-118-002	SOCKEYE	JULY	68	75	3						62	Y	
COS201733-HW23-118-003	SOCKEYE	JULY	66	73	3						63	Y	
COS201733-HW23-118-004	SOCKEYE	JULY	72	80	3						64	Y	
COS201733-HW23-118-005	SOCKEYE	JULY	63	68	2						65	Y	
COS201733-HW23-118-006	SOCKEYE	JULY	61	67	2						66	Y	
COS201733-HW23-118-007	SOCKEYE	JULY	73	81	4						67	Y	
COS201733-HW23-118-008	SOCKEYE	JULY	75	82	3						68	Y	
COS201733-HW23-118-009	SOCKEYE	JULY	76	84	4						69	Y	
COS201733-HW23-118-010	SOCKEYE	JULY	74	82	4						70	Y	
COS201733-HW23-118-011	SOCKEYE	JULY	61	67	2						71	Y	
COS201733-HW23-118-012	SOCKEYE	JULY	63	70	2						72	Y	
COS201733-HW23-118-013	SOCKEYE	JULY	70	77	3						73	Y	
COS201733-HW23-118-014	SOCKEYE	JULY	68	75	3						74	Y	
COS201733-HW23-118-015	SOCKEYE	JULY	72	80	3						75	Y	
COS201733-HW23-118-016	SOCKEYE	JULY	60										
COS201733-HW23-118-017	SOCKEYE	JULY	71										
COS201733-HW23-118-018	SOCKEYE	JULY	73										
COS201733-HW23-118-019	SOCKEYE	JULY	65										
COS201733-HW23-118-020	SOCKEYE	JULY	72										
COS201733-HW23-118-021	SOCKEYE	JULY	60										
COS201733-HW23-118-022	SOCKEYE	JULY	60										
COS201733-HW23-118-023	SOCKEYE	JULY	71										
COS201733-HW23-118-024	SOCKEYE	JULY	65										
COS201733-HW24-118-001	SOCKEYE	JULY	60	66	2			F	SE-1-B11		76	Y	
COS201733-HW24-118-002	SOCKEYE	JULY	55	60	2			M	SE-1-B12		77	Y	
COS201733-HW33-118-001	SOCKEYE	JULY	76	85	4						78	Y	
COS201733-HW33-118-002	SOCKEYE	JULY	89	99	7						79	Y	
COS201733-HW33-118-003	SOCKEYE	JULY	79	87	5						80	Y	
COS201733-HW33-118-004	SOCKEYE	JULY	79	86	4						81	Y	
COS201733-HW33-118-005	SOCKEYE	JULY	89	98	6						82	Y	
COS201733-HW33-118-006	SOCKEYE	JULY	75	83	4						83	Y	
COS201733-HW33-118-007	SOCKEYE	JULY	85	94	5						84	Y	
COS201733-HW33-118-008	SOCKEYE	JULY	81	90	5						85	Y	
COS201733-HW33-118-009	SOCKEYE	JULY	85	94	6						86	Y	
COS201733-HW33-118-010	SOCKEYE	JULY	88	97	6						87	Y	
COS201733-HW33-118-011	SOCKEYE	JULY	80	87	5						88	Y	
COS201733-HW33-118-012	SOCKEYE	JULY	77	86	4						89	Y	
COS201733-HW33-118-013	SOCKEYE	JULY	76	85	4						90	Y	
COS201733-HW33-118-014	SOCKEYE	JULY	65	71	2						91	Y	
COS201733-HW33-118-015	SOCKEYE	JULY	78	85	4						92	Y	
COS201733-HW33-118-016	SOCKEYE	JULY	78										
COS201733-HW33-118-017	SOCKEYE	JULY	74										
COS201733-HW33-118-018	SOCKEYE	JULY	61										
COS201733-HW33-118-019	SOCKEYE	JULY	80										
COS201733-HW35-118-001	SOCKEYE	JULY	99	109	9				SE-1-C1		93	Y	
COS201733-HW35-118-002	SOCKEYE	JULY	82	90	5				SE-1-C2		94	Y	
COS201733-HW35-118-003	SOCKEYE	JULY	80	87	4				SE-1-C3		95	Y	
COS201733-HW25-118-001	SOCKEYE	JULY	82	91	5						96	Y	
COS201733-HW25-118-002	SOCKEYE	JULY	75	82	4						97	Y	
COS201733-HW25-118-003	SOCKEYE	JULY	69	76	3						98	Y	
COS201733-HW26-118-001	SOCKEYE	JULY	78	86	5				SE-1-C4		99	Y	
COS201733-HW26-118-002	SOCKEYE	JULY	77	85	4				SE-1-C5		100	Y	

APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201733-HW26-118-003	SOCKEYE	JULY	81	90	5				SE-1-C6		101	Y	
COS201733-HW26-118-004	SOCKEYE	JULY	80	88	5				SE-1-C7		102	Y	
COS201733-HW28-118-001	SOCKEYE	JULY	80	88	4						103	Y	
COS201733-HW37-118-001	SOCKEYE	JULY	80	88	5						104	Y	
COS201733-HW37-118-002	SOCKEYE	JULY	79	86	4						105	Y	
COS201733-HW37-118-003	SOCKEYE	JULY	87	95	5						106	Y	
COS201733-HW37-118-004	SOCKEYE	JULY	78	86	4						107	Y	
COS201733-HW37-118-005	SOCKEYE	JULY	73	81	4						108	Y	
COS201733-HW37-118-006	SOCKEYE	JULY	77	85	4						109	Y	
COS201733-HW37-118-007	SOCKEYE	JULY	82	92	5						110	Y	
COS201733-HW37-118-008	SOCKEYE	JULY	85	95	6						111	Y	
COS201733-HW37-118-009	SOCKEYE	JULY	77	85	4						112	Y	
COS201733-HW37-118-010	SOCKEYE	JULY	75	85	4						113	Y	
COS201733-HW37-118-011	SOCKEYE	JULY	80	87	5						114	Y	
COS201733-HW37-118-012	SOCKEYE	JULY	91	101	7						115	Y	
COS201733-HW37-118-013	SOCKEYE	JULY	72	80	4						116	Y	
COS201733-HW37-118-014	SOCKEYE	JULY	80	89	5						117	Y	
COS201733-HW37-118-015	SOCKEYE	JULY	87	97	6						118	Y	
COS201733-HW37-118-016	SOCKEYE	JULY	81										
COS201733-HW37-118-017	SOCKEYE	JULY	80										
COS201733-HW37-118-018	SOCKEYE	JULY	80										
COS201733-HW37-118-019	SOCKEYE	JULY	81										
COS201733-HW37-118-020	SOCKEYE	JULY	72										
COS201733-HW37-118-021	SOCKEYE	JULY	73										
COS201733-HW37-118-022	SOCKEYE	JULY	75										
COS201733-HW37-118-023	SOCKEYE	JULY	75										
COS201733-HW37-118-024	SOCKEYE	JULY	76										
COS201733-HW37-118-025	SOCKEYE	JULY	65										
COS201733-HW37-118-026	SOCKEYE	JULY	77										
COS201733-HW37-118-027	SOCKEYE	JULY	76										
COS201733-HW37-118-028	SOCKEYE	JULY	63										
COS201733-HW38-118-001	SOCKEYE	JULY	84	93	6						119	Y	
COS201733-HW38-118-002	SOCKEYE	JULY	69	75	3						120	Y	
COS201733-HW38-118-003	SOCKEYE	JULY	84	92	6						121	Y	
COS201733-HW38-118-004	SOCKEYE	JULY	78	85	5						122	Y	
COS201733-HW41-118-001	SOCKEYE	JULY	78	86	5						123	Y	
COS201733-HW41-118-002	SOCKEYE	JULY	75	83	4						124	Y	
COS201733-HW41-118-003	SOCKEYE	JULY	80	89	5						125	Y	
COS201733-HW41-118-004	SOCKEYE	JULY	74	81	4						126	Y	
COS201733-HW41-118-005	SOCKEYE	JULY	81	90	5						127	Y	
COS201733-HW41-118-006	SOCKEYE	JULY	76	84	4						128	Y	
COS201733-HW41-118-007	SOCKEYE	JULY	74	81	4						129	Y	
COS201733-HW41-118-008	SOCKEYE	JULY	75	83	4						130	Y	
COS201733-HW41-118-009	SOCKEYE	JULY	78	86	4						131	Y	
COS201733-HW41-118-010	SOCKEYE	JULY	59	65	1						132	Y	
COS201733-HW41-118-011	SOCKEYE	JULY	85	94	6						133	Y	
COS201733-HW42-118-001	SOCKEYE	JULY	77	86	4						134	Y	
COS201733-HW42-118-002	SOCKEYE	JULY	76	83	4						135	Y	
COS201733-HW42-118-003	SOCKEYE	JULY	75	83	4						136	Y	
COS201733-HW42-118-004	SOCKEYE	JULY	80	88	5						137	Y	
COS201733-HW42-118-005	SOCKEYE	JULY	80	87	5						138	Y	
COS201733-HW42-118-006	SOCKEYE	JULY	82	91	5						139	Y	
COS201733-HW42-118-007	SOCKEYE	JULY	71	77	2						140	Y	
COS201733-HW42-118-008	SOCKEYE	JULY	87	96	5						141	Y	
COS201733-HW42-118-009	SOCKEYE	JULY	81	89	5						142	Y	
COS201733-HW42-118-010	SOCKEYE	JULY	82	90	6						143	Y	
COS201733-HW42-118-011	SOCKEYE	JULY	80	87	5						144	Y	
COS201733-HW44-118-001	SOCKEYE	JULY	80	88	5						145	Y	
COS201733-HW44-118-002	SOCKEYE	JULY	59	64	2						146	Y	
COS201733-HW44-118-003	SOCKEYE	JULY	80	87	5						147	Y	
COS201733-HW44-118-004	SOCKEYE	JULY	78	85	5						148	Y	
COS201733-HW44-118-005	SOCKEYE	JULY	82	91	5						149	Y	
COS201733-HW44-118-006	SOCKEYE	JULY	63	69	2						150	Y	

APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201733-HW44-118-007	SOCKEYE	JULY	80	89	5						151	Y	
COS201733-HW44-118-008	SOCKEYE	JULY	77	84	4						152	Y	
COS201733-HW44-118-009	SOCKEYE	JULY	79	86	5						153	Y	
COS201733-HW44-118-010	SOCKEYE	JULY	65	71	2						154	Y	
COS201733-HW44-118-011	SOCKEYE	JULY	75	83	4						155	Y	
COS201733-HW44-118-012	SOCKEYE	JULY	77	86	4						156	Y	
COS201733-HW44-118-013	SOCKEYE	JULY	79	87	5						157	Y	
COS201733-HW44-118-014	SOCKEYE	JULY	63	69	2						158	Y	
COS201733-HW01-118-001	SOCKEYE	JULY	80	89	5						159	Y	
COS201733-HW01-118-002	SOCKEYE	JULY	91	101	6						160	Y	
COS201733-HW01-118-003	SOCKEYE	JULY	62	68	2						161	Y	
COS201733-HW03-118-001	SOCKEYE	JULY	62	68	2			F			162	Y	
COS201734-HW29-124-001	CHINOOK	AUGUST	207	229	118						269	Y	
COS201734-HW29-124-002	CHINOOK	AUGUST	102	111	12						270	Y	
COS201734-HW29-124-003	CHINOOK	AUGUST	95	106	9						271	Y	
COS201734-HW29-124-004	CHINOOK	AUGUST	95	107	10						272	Y	
COS201734-HW29-124-005	CHINOOK	AUGUST	94	104	9						273	Y	
COS201734-HW29-124-006	CHINOOK	AUGUST	100	112	11						274	Y	
COS201734-HW29-124-007	CHINOOK	AUGUST	95	105	10						275	Y	
COS201734-HW29-124-008	CHINOOK	AUGUST	96	106	9						276	Y	
COS201734-HW29-124-009	CHINOOK	AUGUST	90	101	8						277	Y	
COS201734-HW29-124-010	CHINOOK	AUGUST	102	114	12						278	Y	
COS201734-HW29-124-011	CHINOOK	AUGUST	130	144	24						279	Y	
COS201734-HW29-124-012	CHINOOK	AUGUST	101	112	11						280	Y	
COS201734-HW29-124-013	CHINOOK	AUGUST	104	114	11						281	Y	
COS201734-HW29-124-014	CHINOOK	AUGUST	99	110	11						282	Y	
COS201734-HW29-124-015	CHINOOK	AUGUST	96	107	10						283	Y	
COS201734-HW29-124-016	CHINOOK	AUGUST	130										
COS201734-HW29-124-017	CHINOOK	AUGUST	92										
COS201734-HW29-124-018	CHINOOK	AUGUST	105										
COS201734-HW29-124-019	CHINOOK	AUGUST	100										
COS201734-HW29-124-020	CHINOOK	AUGUST	94										
COS201734-HW29-124-021	CHINOOK	AUGUST	92										
COS201734-HW29-124-022	CHINOOK	AUGUST	99										
COS201734-HW29-124-023	CHINOOK	AUGUST	95										
COS201734-HW29-124-024	CHINOOK	AUGUST	87										
COS201734-HW29-124-025	CHINOOK	AUGUST	88										
COS201734-HW29-124-026	CHINOOK	AUGUST	92										
COS201734-HW29-124-027	CHINOOK	AUGUST	105										
COS201734-HW29-124-028	CHINOOK	AUGUST	99										
COS201734-HW30-124-001	CHINOOK	AUGUST	112	130	17						284	Y	
COS201734-HW30-124-002	CHINOOK	AUGUST	119	132	18				CK-1-E12		285	Y	
COS201734-HW30-124-003	CHINOOK	AUGUST	99	109	9				CK-1-F1		286	Y	
COS201734-HW30-124-004	CHINOOK	AUGUST	110	123	13				CK-1-F2		287	Y	
COS201734-HW30-124-005	CHINOOK	AUGUST	126	141	22				CK-1-F3		288	Y	
COS201734-HW31-124-001	CHINOOK	AUGUST	92	103	8						289	Y	
COS201734-HW31-124-002	CHINOOK	AUGUST	109	123	14						290	Y	
COS201734-HW31-124-003	CHINOOK	AUGUST	99	110	10						291	Y	
COS201734-HW31-124-004	CHINOOK	AUGUST	110	123	123						292	Y	
COS201734-HW31-124-005	CHINOOK	AUGUST	85	95	95						293	Y	
COS201734-HW31-124-006	CHINOOK	AUGUST	121	135	135						294	Y	
COS201734-HW31-124-007	CHINOOK	AUGUST	175	192	192	Y	AD				295	Y	
COS201734-HW31-124-008	CHINOOK	AUGUST	103	114	114						296	Y	
COS201734-HW31-124-009	CHINOOK	AUGUST	91	100	100						297	Y	
COS201734-HW31-124-010	CHINOOK	AUGUST	99	109	109						298	Y	
COS201734-HW31-124-011	CHINOOK	AUGUST	105	116	116						299	Y	
COS201734-HW31-124-012	CHINOOK	AUGUST	109	120	120						300	Y	
COS201734-HW31-124-013	CHINOOK	AUGUST	86	95	95						301	Y	
COS201734-HW31-124-014	CHINOOK	AUGUST	93	104	104						302	Y	
COS201734-HW31-124-015	CHINOOK	AUGUST	95	106	106						303	Y	
COS201734-HW31-124-016	CHINOOK	AUGUST	124										
COS201734-HW31-124-017	CHINOOK	AUGUST	131										
COS201734-HW31-124-018	CHINOOK	AUGUST	120										

APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201734-HW31-124-019	CHINOOK	AUGUST	94										
COS201734-HW31-124-020	CHINOOK	AUGUST	107										
COS201734-HW31-124-021	CHINOOK	AUGUST	112										
COS201734-HW31-124-022	CHINOOK	AUGUST	140										
COS201734-HW31-124-023	CHINOOK	AUGUST	196										
COS201734-HW31-124-024	CHINOOK	AUGUST	99										
COS201734-HW31-124-025	CHINOOK	AUGUST	108										
COS201734-HW31-124-026	CHINOOK	AUGUST	103										
COS201734-HW31-124-027	CHINOOK	AUGUST	91										
COS201734-HW31-124-028	CHINOOK	AUGUST	88										
COS201734-HW31-124-029	CHINOOK	AUGUST	86										
COS201734-HW32-124-001	CHINOOK	AUGUST	103	115	13						304	Y	
COS201734-HW32-124-002	CHINOOK	AUGUST	112	124	16						305	Y	
COS201734-HW32-124-003	CHINOOK	AUGUST	166	185	52	Y	AD				306	Y	
COS201734-HW32-124-004	CHINOOK	AUGUST	121	134	21						307	Y	
COS201734-HW32-124-005	CHINOOK	AUGUST	113	125	16						308	Y	
COS201734-HW32-124-006	CHINOOK	AUGUST	114	127	16						309	Y	
COS201734-HW32-124-007	CHINOOK	AUGUST	91	101	8						310	Y	
COS201734-HW32-124-008	CHINOOK	AUGUST	95	103	9						311	Y	
COS201734-HW32-124-009	CHINOOK	AUGUST	105	117	13						312	Y	
COS201734-HW32-124-010	CHINOOK	AUGUST	109	121	14						313	Y	
COS201734-HW32-124-011	CHINOOK	AUGUST	102	112	11						314	Y	
COS201734-HW32-124-012	CHINOOK	AUGUST	102	112	12						315	Y	
COS201734-HW32-124-013	CHINOOK	AUGUST	122	135	20						316	Y	
COS201734-HW05-124-001	CHINOOK	AUGUST	170	189	56	Y	AD		CK-1-F4		317	Y	
COS201734-HW05-124-002	CHINOOK	AUGUST	98	110	10				CK-1-F5		318	Y	
COS201734-HW05-124-003	CHINOOK	AUGUST	135	149	28				CK-1-F6		319	Y	
COS201734-HW05-124-004	CHINOOK	AUGUST	88	96	7				CK-1-F7		320	Y	
COS201734-HW05-124-005	CHINOOK	AUGUST	96	105	9				CK-1-F8		321	Y	
COS201734-HW05-124-006	CHINOOK	AUGUST	90	100	8				CK-1-F9		322	Y	
COS201734-HW05-124-007	CHINOOK	AUGUST	106	117	13				CK-1-F10		323	Y	
COS201734-HW06-124-001	CHINOOK	AUGUST	107	118	13				CK-1-F11		324	Y	
COS201734-HW07-124-001	CHINOOK	AUGUST	116	129	17				CK-1-F12		325	Y	
COS201734-HW07-124-002	CHINOOK	AUGUST	89	98	7				CK-1-G1		326	Y	
COS201734-HW08-124-001	CHINOOK	AUGUST	92	102	9				CK-1-G2		327	Y	
COS201734-HW08-124-002	CHINOOK	AUGUST	90	101	8				CK-1-G3		328	Y	
COS201734-HW09-124-001	CHINOOK	AUGUST	92	103	9						329	Y	
COS201734-HW09-124-002	CHINOOK	AUGUST	95	104	9						330	Y	
COS201734-HW09-124-003	CHINOOK	AUGUST	92	103	9						331	Y	
COS201734-HW09-124-004	CHINOOK	AUGUST	110	122	15						332	Y	
COS201734-HW09-124-005	CHINOOK	AUGUST	93	103	9						333	Y	
COS201734-HW09-124-006	CHINOOK	AUGUST	91	101	9						334	Y	
COS201734-HW09-124-007	CHINOOK	AUGUST	102	112	12						335	Y	
COS201734-HW09-124-008	CHINOOK	AUGUST	108	120	15						336	Y	
COS201734-HW09-124-009	CHINOOK	AUGUST	105	116	12						337	Y	
COS201734-HW09-124-010	CHINOOK	AUGUST	98	108	11						338	Y	
COS201734-HW09-124-011	CHINOOK	AUGUST	84	92	6						339	Y	
COS201734-HW09-124-012	CHINOOK	AUGUST	82	91	6						340	Y	
COS201734-HW09-124-013	CHINOOK	AUGUST	91	101	8						341	Y	
COS201734-HW09-124-014	CHINOOK	AUGUST	101	111	12						342	Y	
COS201734-HW09-124-015	CHINOOK	AUGUST	105	116	13						343	Y	
COS201734-HW09-124-016	CHINOOK	AUGUST	95										
COS201734-HW09-124-017	CHINOOK	AUGUST	96										
COS201734-HW09-124-018	CHINOOK	AUGUST	102										
COS201734-HW09-124-019	CHINOOK	AUGUST	101										
COS201734-HW09-124-020	CHINOOK	AUGUST	80										
COS201734-HW10-124-001	CHINOOK	AUGUST	131	145	25						344	Y	
COS201734-HW10-124-002	CHINOOK	AUGUST	95	105	10						345	Y	
COS201734-HW10-124-003	CHINOOK	AUGUST	91	101	8						346	Y	
COS201734-HW11-124-001	CHINOOK	AUGUST	87	96	7				CK-1-G4		347	Y	
COS201734-HW11-124-002	CHINOOK	AUGUST	98	109	9				CK-1-G5	1	348	Y	
COS201734-HW12-124-001	CHINOOK	AUGUST	89	97	7				CK-1-G6	1	349	Y	
COS201734-HW13-124-001	CHINOOK	AUGUST	99	110	10						350	Y	

APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201734-HW13-124-002	CHINOOK	AUGUST	105	116	11						351	Y	
COS201734-HW13-124-003	CHINOOK	AUGUST	98	107	10						352	Y	
COS201734-HW13-124-004	CHINOOK	AUGUST	97	106	9						353	Y	
COS201734-HW13-124-005	CHINOOK	AUGUST	99	109	11						354	Y	
COS201734-HW13-124-006	CHINOOK	AUGUST	91	101	8						355	Y	
COS201734-HW13-124-007	CHINOOK	AUGUST	92	101	8						356	Y	
COS201734-HW13-124-008	CHINOOK	AUGUST	87	97	7						357	Y	
COS201734-HW14-124-001	CHINOOK	AUGUST	89	97	8				CK-1-G7		358	Y	
COS201734-HW14-124-002	CHINOOK	AUGUST	116	129	15				CK-1-G8		359	Y	
COS201734-HW14-124-003	CHINOOK	AUGUST	105	115	12				CK-1-G9		360	Y	
COS201734-HW15-124-001	CHINOOK	AUGUST	98	107	9						361	Y	
COS201734-HW16-124-001	CHINOOK	AUGUST	85	95	6						362	Y	
COS201734-HW16-124-002	CHINOOK	AUGUST	99	108	9						363	Y	
COS201734-HW17-124-001	CHINOOK	AUGUST	105	118	13						364	Y	
COS201734-HW17-124-002	CHINOOK	AUGUST	97	108	7						365	Y	
COS201734-HW17-124-003	CHINOOK	AUGUST	108	117							366	Y	
COS201734-HW17-124-004	CHINOOK	AUGUST	119	132							367	Y	
COS201734-HW17-124-005	CHINOOK	AUGUST	99	109							368	Y	
COS201734-HW17-124-006	CHINOOK	AUGUST	110	124							369	Y	
COS201734-HW17-124-007	CHINOOK	AUGUST	111	124							370	Y	
COS201734-HW17-124-008	CHINOOK	AUGUST	140	156							371	Y	
COS201734-HW17-124-009	CHINOOK	AUGUST	97	108							372	Y	
COS201734-HW18-124-001	CHINOOK	AUGUST	106	119	12						373	Y	
COS201734-HW19-124-001	CHINOOK	AUGUST	100	110	10						374	Y	
COS201734-HW20-124-001	CHINOOK	AUGUST	102	114	10						375	Y	
COS201734-HW20-124-002	CHINOOK	AUGUST	101	113	11						376	Y	
COS201734-HW22-124-001	CHINOOK	AUGUST	92	104	9						377	Y	
COS201734-HW22-124-002	CHINOOK	AUGUST	105	116	12						378	Y	
COS201734-HW22-124-003	CHINOOK	AUGUST	97	108	10						379	Y	
COS201734-HW23-124-001	CHINOOK	AUGUST	85	94	8						380	Y	
COS201734-HW23-124-002	CHINOOK	AUGUST	99	110	11						381	Y	
COS201734-HW23-124-003	CHINOOK	AUGUST	120	134	19						382	Y	
COS201734-HW23-124-004	CHINOOK	AUGUST	92	104	7						383	Y	
COS201734-HW23-124-005	CHINOOK	AUGUST	98	109	11						384	Y	
COS201734-HW23-124-006	CHINOOK	AUGUST	102	113	12						385	Y	
COS201734-HW23-124-007	CHINOOK	AUGUST	103	115	13						386	Y	
COS201734-HW23-124-008	CHINOOK	AUGUST	104	115	12						387	Y	
COS201734-HW25-124-001	CHINOOK	AUGUST	100	111	11						388	Y	
COS201734-HW25-124-002	CHINOOK	AUGUST	122	136	20						389	Y	
COS201734-HW25-124-003	CHINOOK	AUGUST	102	113	12						390	Y	
COS201734-HW25-124-004	CHINOOK	AUGUST	96	107	10						391	Y	
COS201734-HW25-124-005	CHINOOK	AUGUST	92	101	8						392	Y	
COS201734-HW25-124-006	CHINOOK	AUGUST	101	111	11						393	Y	
COS201734-HW25-124-007	CHINOOK	AUGUST	82	92	5						394	Y	
COS201734-HW25-124-008	CHINOOK	AUGUST	105	117	12						395	Y	
COS201734-HW27-124-001	CHINOOK	AUGUST	95	106	9						396	Y	
COS201734-HW28-124-001	CHINOOK	AUGUST	102	114	11						397	Y	
COS201734-HW37-124-001	CHINOOK	AUGUST	97	108	9						398	Y	
COS201734-HW37-124-002	CHINOOK	AUGUST	111	123	14						399	Y	
COS201734-HW37-124-003	CHINOOK	AUGUST	92	102	7						400	Y	
COS201734-HW37-124-004	CHINOOK	AUGUST	88	99	6						401	Y	
COS201734-HW38-124-001	CHINOOK	AUGUST	91	101	8						402	Y	
COS201734-HW38-124-002	CHINOOK	AUGUST	95	105	8						403	Y	
COS201734-HW39-124-001	CHINOOK	AUGUST	107	119	13						404	Y	
COS201734-HW39-124-002	CHINOOK	AUGUST	112	125	15						405	Y	
COS201734-HW39-124-003	CHINOOK	AUGUST	95	105	9						406	Y	
COS201734-HW33-124-001	CHINOOK	AUGUST	119	130	18						407	Y	
COS201734-HW33-124-002	CHINOOK	AUGUST	112	125	15						408	Y	
COS201734-HW33-124-003	CHINOOK	AUGUST	95	106	8						409	Y	
COS201734-HW33-124-004	CHINOOK	AUGUST	95	106	9						410	Y	
COS201734-HW33-124-005	CHINOOK	AUGUST	79	88	4						411	Y	
COS201734-HW33-124-006	CHINOOK	AUGUST	94	104	8						412	Y	
COS201734-HW33-124-007	CHINOOK	AUGUST	85	94	6						413	Y	

APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201734-HW33-124-008	CHINOOK	AUGUST	106	119	13						414	Y	
COS201734-HW33-124-009	CHINOOK	AUGUST	103	115	11						415	Y	
COS201734-HW33-124-010	CHINOOK	AUGUST	91	101	8						416	Y	
COS201734-HW33-124-011	CHINOOK	AUGUST	90	100	7						417	Y	
COS201734-HW33-124-012	CHINOOK	AUGUST	97	107	9						418	Y	
COS201734-HW33-124-013	CHINOOK	AUGUST	102	113	12						419	Y	
COS201734-HW33-124-014	CHINOOK	AUGUST	92										Caught in HW34-from HW33
COS201734-HW33-124-015	CHINOOK	AUGUST	96										Caught in HW34-from HW33
COS201734-HW33-124-016	CHINOOK	AUGUST	95										Caught in HW34-from HW33
COS201734-HW35-124-001	CHINOOK	AUGUST	112	122	16						420	Y	
COS201734-HW35-124-002	CHINOOK	AUGUST	95	105	9						421	Y	
COS201734-HW36-124-001	CHINOOK	AUGUST	98	108	11						422	Y	
COS201734-HW36-124-002	CHINOOK	AUGUST	106	117	12						423	Y	
COS201734-HW01-124-001	CHINOOK	AUGUST	93	103	8						424	Y	
COS201734-HW01-124-002	CHINOOK	AUGUST	90	100	7						425	Y	
COS201734-HW01-124-003	CHINOOK	AUGUST	97	107	9						426	Y	
COS201734-HW01-124-004	CHINOOK	AUGUST	111	122	14						427	Y	
COS201734-HW01-124-005	CHINOOK	AUGUST	104	115	11						428	Y	
COS201734-HW01-124-006	CHINOOK	AUGUST	86	96	6						429	Y	
COS201734-HW01-124-007	CHINOOK	AUGUST	98	108	10						430	Y	
COS201734-HW01-124-008	CHINOOK	AUGUST	97	107	9						431	Y	
COS201734-HW01-124-009	CHINOOK	AUGUST	95	105	8						432	Y	
COS201734-HW01-124-010	CHINOOK	AUGUST	115	127	15						433	Y	
COS201734-HW01-124-011	CHINOOK	AUGUST	100	111	10						434	Y	
COS201734-HW01-124-012	CHINOOK	AUGUST	100	110	10						435	Y	
COS201734-HW01-124-013	CHINOOK	AUGUST	112	123	15						436	Y	
COS201734-HW01-124-014	CHINOOK	AUGUST	90	101	7						437	Y	
COS201734-HW01-124-015	CHINOOK	AUGUST	102	112	11						438	Y	
COS201734-HW01-124-016	CHINOOK	AUGUST	101										
COS201734-HW01-124-017	CHINOOK	AUGUST	97										
COS201734-HW01-124-018	CHINOOK	AUGUST	94										
COS201734-HW01-124-019	CHINOOK	AUGUST	92										
COS201734-HW01-124-020	CHINOOK	AUGUST	89										
COS201734-HW01-124-021	CHINOOK	AUGUST	108										
COS201734-HW01-124-022	CHINOOK	AUGUST	92										
COS201734-HW01-124-023	CHINOOK	AUGUST	95										
COS201734-HW01-124-024	CHINOOK	AUGUST	92										
COS201734-HW02-124-001	CHINOOK	AUGUST	95	105	9						439	Y	
COS201734-HW02-124-002	CHINOOK	AUGUST	95	105	8						440	Y	
COS201734-HW03-124-001	CHINOOK	AUGUST	99	110	9						441	Y	
COS201734-HW03-124-002	CHINOOK	AUGUST	98	108	9						442	Y	
COS201734-HW03-124-003	CHINOOK	AUGUST	94	104	8						443	Y	
COS201734-HW03-124-004	CHINOOK	AUGUST	97	108	9						444	Y	
COS201734-HW03-124-005	CHINOOK	AUGUST	102	114	12						445	Y	
COS201734-HW03-124-006	CHINOOK	AUGUST	107	118	12						446	Y	
COS201734-HW04-124-001	CHINOOK	AUGUST	103	114	12						447	Y	
COS201734-HW04-124-002	CHINOOK	AUGUST	95	105	9						448	Y	
COS201734-HW04-124-003	CHINOOK	AUGUST	92	102	8						449	Y	
COS201734-HW04-124-004	CHINOOK	AUGUST	86	96	6						450	Y	
COS201734-HW04-124-005	CHINOOK	AUGUST	95	105	9						451	Y	
COS201734-HW29-112-001	CHUM	AUGUST	188	209	59						23	Y	
COS201734-HW09-112-001	CHUM	AUGUST	191	221	79						24	Y	
COS201734-HW09-112-002	CHUM	AUGUST	206	227	104						25	Y	
COS201734-HW09-112-003	CHUM	AUGUST	194	214	86						26	Y	
COS201734-HW09-112-004	CHUM	AUGUST	180	197	64						27	Y	
COS201734-HW09-112-005	CHUM	AUGUST	187	206	78						28	Y	
COS201734-HW09-112-006	CHUM	AUGUST	192	211	81						29	Y	
COS201734-HW09-112-007	CHUM	AUGUST	212	235	110						30	Y	
COS201734-HW09-112-008	CHUM	AUGUST	163	178	53						31	Y	
COS201734-HW09-112-009	CHUM	AUGUST	175	195	60						32	Y	
COS201734-HW10-112-001	CHUM	AUGUST	193	215	82						33	Y	
COS201734-HW10-112-002	CHUM	AUGUST	215	237	117						34	Y	
COS201734-HW10-112-003	CHUM	AUGUST	224	250	136						35	Y	

APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201734-HW11-112-001	CHUM	AUGUST	190	211	82						36	Y	
COS201734-HW17-112-001	CHUM	AUGUST	203	224	91						37	Y	
COS201734-HW17-112-002	CHUM	AUGUST	198	219	91						38	Y	
COS201734-HW17-112-003	CHUM	AUGUST	200	220	94						39	Y	
COS201734-HW17-112-004	CHUM	AUGUST	203	224	99						40	Y	
COS201734-HW17-112-005	CHUM	AUGUST	213	235	119						41	Y	
COS201734-HW17-112-006	CHUM	AUGUST	196	217	87						42	Y	
COS201734-HW17-112-007	CHUM	AUGUST	211	234	108						43	Y	
COS201734-HW17-112-008	CHUM	AUGUST	169	185	58						44	Y	
COS201734-HW17-112-009	CHUM	AUGUST	175	195	62						45	Y	
COS201734-HW17-112-010	CHUM	AUGUST	190	219	84						46	Y	
COS201734-HW17-112-011	CHUM	AUGUST	168	185	61						47	Y	
COS201734-HW17-112-012	CHUM	AUGUST	208	229	109						48	Y	
COS201734-HW17-112-013	CHUM	AUGUST	202	225	105						49	Y	
COS201734-HW17-112-014	CHUM	AUGUST	219	240	129						50	Y	
COS201734-HW17-112-015	CHUM	AUGUST	197	218	93						51	Y	
COS201734-HW17-112-016	CHUM	AUGUST	199										
COS201734-HW17-112-017	CHUM	AUGUST	195										
COS201734-HW17-112-018	CHUM	AUGUST	185										
COS201734-HW17-112-019	CHUM	AUGUST	194										
COS201734-HW17-112-020	CHUM	AUGUST	223										
COS201734-HW17-112-021	CHUM	AUGUST	206										
COS201734-HW17-112-022	CHUM	AUGUST	200										
COS201734-HW17-112-023	CHUM	AUGUST	185										
COS201734-HW17-112-024	CHUM	AUGUST	180										
COS201734-HW17-112-025	CHUM	AUGUST	174										
COS201734-HW17-112-026	CHUM	AUGUST	185										
COS201734-HW17-112-027	CHUM	AUGUST	182										
COS201734-HW18-108-001	PINK	AUGUST	520	565	2021								
COS201734-HW29-118-001	SOCKEY	AUGUST	101	113	10						163	Y	
COS201734-HW29-118-002	SOCKEY	AUGUST	112	124	14						164	Y	
COS201734-HW29-118-003	SOCKEY	AUGUST	101	112	11						165	Y	
COS201734-HW29-118-004	SOCKEY	AUGUST	105	116	12						166	Y	
COS201734-HW29-118-005	SOCKEY	AUGUST	96	114	11						167	Y	
COS201734-HW29-118-006	SOCKEY	AUGUST	102	114	11						168	Y	
COS201734-HW29-118-007	SOCKEY	AUGUST	102	114	11						169	Y	
COS201734-HW29-118-008	SOCKEY	AUGUST	105	118	12						170	Y	
COS201734-HW29-118-009	SOCKEY	AUGUST	104	116	12						171	Y	
COS201734-HW29-118-010	SOCKEY	AUGUST	106	119	13						172	Y	
COS201734-HW29-118-011	SOCKEY	AUGUST	80	89	6						173	Y	
COS201734-HW29-118-012	SOCKEY	AUGUST	97	109	10						174	Y	
COS201734-HW30-118-001	SOCKEY	AUGUST	107	120	12						175	Y	
COS201734-HW30-118-002	SOCKEY	AUGUST	104	116	11						176	Y	
COS201734-HW05-118-001	SOCKEY	AUGUST	96	107	9				SE-1-C10		177	Y	
COS201734-HW08-118-001	SOCKEY	AUGUST	98	110	8				SE-1-C11		178	Y	
COS201734-HW08-118-002	SOCKEY	AUGUST	102	114	10				SE-1-C12		179	Y	
COS201734-HW09-118-001	SOCKEY	AUGUST	102	113	11						180	Y	
COS201734-HW09-118-002	SOCKEY	AUGUST	106	115	12						181	Y	
COS201734-HW09-118-003	SOCKEY	AUGUST	105	115	12						182	Y	
COS201734-HW09-118-004	SOCKEY	AUGUST	102	113	11						183	Y	
COS201734-HW09-118-005	SOCKEY	AUGUST	105	116	11						184	Y	
COS201734-HW09-118-006	SOCKEY	AUGUST	104	114	11						185	Y	
COS201734-HW09-118-007	SOCKEY	AUGUST	104	114	11						186	Y	
COS201734-HW09-118-008	SOCKEY	AUGUST	108	119	13						187	Y	
COS201734-HW09-118-009	SOCKEY	AUGUST	104	115	11						188	Y	
COS201734-HW09-118-010	SOCKEY	AUGUST	102	113	11						189	Y	
COS201734-HW09-118-011	SOCKEY	AUGUST	103	115	11						190	Y	
COS201734-HW09-118-012	SOCKEY	AUGUST	101	112	11						191	Y	
COS201734-HW09-118-013	SOCKEY	AUGUST	102	113	11						192	Y	
COS201734-HW09-118-014	SOCKEY	AUGUST	105	118	13						193	Y	
COS201734-HW09-118-015	SOCKEY	AUGUST	106	116	12						194	Y	
COS201734-HW09-118-016	SOCKEY	AUGUST	98										



APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201734-HW09-118-017	SOCKEYE	AUGUST	101										
COS201734-HW09-118-018	SOCKEYE	AUGUST	100										
COS201734-HW09-118-019	SOCKEYE	AUGUST	84										
COS201734-HW09-118-020	SOCKEYE	AUGUST	98										
COS201734-HW09-118-021	SOCKEYE	AUGUST	94										
COS201734-HW09-118-022	SOCKEYE	AUGUST	98										
COS201734-HW09-118-023	SOCKEYE	AUGUST	101										
COS201734-HW09-118-024	SOCKEYE	AUGUST	94										
COS201734-HW09-118-025	SOCKEYE	AUGUST	100										
COS201734-HW09-118-026	SOCKEYE	AUGUST	101										
COS201734-HW09-118-027	SOCKEYE	AUGUST	97										
COS201734-HW09-118-028	SOCKEYE	AUGUST	100										
COS201734-HW09-118-029	SOCKEYE	AUGUST	96										
COS201734-HW09-118-030	SOCKEYE	AUGUST	95										
COS201734-HW09-118-031	SOCKEYE	AUGUST	104										
COS201734-HW09-118-032	SOCKEYE	AUGUST	86										
COS201734-HW09-118-033	SOCKEYE	AUGUST	106										
COS201734-HW09-118-034	SOCKEYE	AUGUST	108										
COS201734-HW09-118-035	SOCKEYE	AUGUST	102										
COS201734-HW09-118-036	SOCKEYE	AUGUST	105										
COS201734-HW09-118-037	SOCKEYE	AUGUST	105										
COS201734-HW09-118-038	SOCKEYE	AUGUST	95										
COS201734-HW09-118-039	SOCKEYE	AUGUST	102										
COS201734-HW09-118-040	SOCKEYE	AUGUST	94										
COS201734-HW09-118-041	SOCKEYE	AUGUST	97										
COS201734-HW09-118-042	SOCKEYE	AUGUST	100										
COS201734-HW10-118-001	SOCKEYE	AUGUST	99	110	9						195	Y	
COS201734-HW10-118-002	SOCKEYE	AUGUST	101	111	10						196	Y	
COS201734-HW10-118-003	SOCKEYE	AUGUST	100	111	10						197	Y	
COS201734-HW10-118-004	SOCKEYE	AUGUST	92	103	8						198	Y	
COS201734-HW10-118-005	SOCKEYE	AUGUST	99	109	9						199	Y	
COS201734-HW10-118-006	SOCKEYE	AUGUST	98	108	9						200	Y	
COS201734-HW10-118-007	SOCKEYE	AUGUST	104	115	12						201	Y	
COS201734-HW10-118-008	SOCKEYE	AUGUST	98	109	10						202	Y	
COS201734-HW10-118-009	SOCKEYE	AUGUST	94	104	9						203	Y	
COS201734-HW10-118-010	SOCKEYE	AUGUST	93	105	8						204	Y	
COS201734-HW10-118-011	SOCKEYE	AUGUST	105	118	12						205	Y	
COS201734-HW10-118-012	SOCKEYE	AUGUST	100	111	11						206	Y	
COS201734-HW10-118-013	SOCKEYE	AUGUST	92	103	9						207	Y	
COS201734-HW10-118-014	SOCKEYE	AUGUST	103	114	11						208	Y	
COS201734-HW10-118-015	SOCKEYE	AUGUST	101	113	11						209	Y	
COS201734-HW11-118-001	SOCKEYE	AUGUST	99	110	10				SE-1-D1		210	Y	
COS201734-HW11-118-002	SOCKEYE	AUGUST	111	124	13				SE-1-D2		211	Y	
COS201734-HW11-118-003	SOCKEYE	AUGUST	112	124	13				SE-1-D3		212	Y	
COS201734-HW12-118-001	SOCKEYE	AUGUST	98	109	10				SE-1-D4		213	Y	
COS201734-HW13-118-001	SOCKEYE	AUGUST	101	113	9				SE-1-D5		214	Y	
COS201734-HW17-118-001	SOCKEYE	AUGUST	104	116	12						215	Y	
COS201734-HW17-118-002	SOCKEYE	AUGUST	105	118	12						216	Y	
COS201734-HW17-118-003	SOCKEYE	AUGUST	110	121	11						217	Y	
COS201734-HW17-118-004	SOCKEYE	AUGUST	105	116	11						218	Y	
COS201734-HW17-118-005	SOCKEYE	AUGUST	96	107	9						219	Y	
COS201734-HW17-118-006	SOCKEYE	AUGUST	104	115	11						220	Y	
COS201734-HW17-118-007	SOCKEYE	AUGUST	108	119	11						221	Y	
COS201734-HW17-118-008	SOCKEYE	AUGUST	106	116	11						222	Y	
COS201734-HW17-118-009	SOCKEYE	AUGUST	100	111	10						223	Y	
COS201734-HW17-118-010	SOCKEYE	AUGUST	105	116	11						224	Y	
COS201734-HW17-118-011	SOCKEYE	AUGUST	100	111	10						225	Y	
COS201734-HW17-118-012	SOCKEYE	AUGUST	109	121	13						226	Y	
COS201734-HW17-118-013	SOCKEYE	AUGUST	103	114	10						227	Y	
COS201734-HW17-118-014	SOCKEYE	AUGUST	96	106	9						228	Y	
COS201734-HW17-118-015	SOCKEYE	AUGUST	106	117	11						229	Y	
COS201734-HW17-118-016	SOCKEYE	AUGUST	106										
COS201734-HW17-118-017	SOCKEYE	AUGUST	88										

APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201734-HW17-118-018	SOCKEYE	AUGUST	105										
COS201734-HW17-118-019	SOCKEYE	AUGUST	96										
COS201734-HW17-118-020	SOCKEYE	AUGUST	105										
COS201734-HW17-118-021	SOCKEYE	AUGUST	92										
COS201734-HW17-118-022	SOCKEYE	AUGUST	109										
COS201734-HW17-118-023	SOCKEYE	AUGUST	95										
COS201734-HW17-118-024	SOCKEYE	AUGUST	104										
COS201734-HW17-118-025	SOCKEYE	AUGUST	106										
COS201734-HW17-118-026	SOCKEYE	AUGUST	103										
COS201734-HW17-118-027	SOCKEYE	AUGUST	81										
COS201734-HW17-118-028	SOCKEYE	AUGUST	96										
COS201734-HW17-118-029	SOCKEYE	AUGUST	85										
COS201734-HW17-118-030	SOCKEYE	AUGUST	111										
COS201734-HW17-118-031	SOCKEYE	AUGUST	104										
COS201734-HW17-118-032	SOCKEYE	AUGUST	106										
COS201734-HW17-118-033	SOCKEYE	AUGUST	96										
COS201734-HW17-118-034	SOCKEYE	AUGUST	92										
COS201734-HW17-118-035	SOCKEYE	AUGUST	102										
COS201734-HW17-118-036	SOCKEYE	AUGUST	97										
COS201734-HW17-118-037	SOCKEYE	AUGUST	80										
COS201734-HW17-118-038	SOCKEYE	AUGUST	100										
COS201734-HW17-118-039	SOCKEYE	AUGUST	96										
COS201734-HW17-118-040	SOCKEYE	AUGUST	95										
COS201734-HW17-118-041	SOCKEYE	AUGUST	102										
COS201734-HW17-118-042	SOCKEYE	AUGUST	100										
COS201734-HW17-118-043	SOCKEYE	AUGUST	102										
COS201734-HW17-118-044	SOCKEYE	AUGUST	100										
COS201734-HW17-118-045	SOCKEYE	AUGUST	78										
COS201734-HW17-118-046	SOCKEYE	AUGUST	110										
COS201734-HW17-118-047	SOCKEYE	AUGUST	96										
COS201734-HW17-118-048	SOCKEYE	AUGUST	103										
COS201734-HW18-118-001	SOCKEYE	AUGUST	103	115	10						230	Y	
COS201734-HW18-118-002	SOCKEYE	AUGUST	85	94	6						231	Y	
COS201734-HW18-118-003	SOCKEYE	AUGUST	105	119	11						232	Y	
COS201734-HW18-118-004	SOCKEYE	AUGUST	105	120	12						233	Y	
COS201734-HW18-118-005	SOCKEYE	AUGUST	85	95	6						234	Y	
COS201734-HW18-118-006	SOCKEYE	AUGUST	102	113	10						235	Y	
COS201734-HW18-118-007	SOCKEYE	AUGUST	95	105	9						236	Y	
COS201734-HW18-118-008	SOCKEYE	AUGUST	101	113	10						237	Y	
COS201734-HW18-118-009	SOCKEYE	AUGUST	96	106	8						238	Y	
COS201734-HW18-118-010	SOCKEYE	AUGUST	99	110	9						239	Y	
COS201734-HW18-118-011	SOCKEYE	AUGUST	89	99	6						240	Y	
COS201734-HW18-118-012	SOCKEYE	AUGUST	102	115	9						241	Y	
COS201734-HW18-118-013	SOCKEYE	AUGUST	92	102	7						242	Y	
COS201734-HW20-118-001	SOCKEYE	AUGUST	95	106	8						243	Y	
COS201734-HW22-118-001	SOCKEYE	AUGUST	102	112	10						244	Y	
COS201734-HW22-118-002	SOCKEYE	AUGUST	97	107	8				SE-1-D7		245	Y	
COS201734-HW23-118-001	SOCKEYE	AUGUST	109	122	13				SE-1-D8		246	Y	
COS201734-HW23-118-002	SOCKEYE	AUGUST	79	87	4				SE-1-D9		247	Y	
COS201734-HW23-118-003	SOCKEYE	AUGUST	105	117	12				SE-1-D10		248	Y	
COS201734-HW23-118-004	SOCKEYE	AUGUST	106	117	11				SE-1-D11		249	Y	
COS201734-HW23-118-005	SOCKEYE	AUGUST	107	118	12				SE-1-D12		250	Y	
COS201734-HW24-118-001	SOCKEYE	AUGUST	97	109	9				SE-1-E1		251	Y	
COS201734-HW24-118-002	SOCKEYE	AUGUST	108	120	12				SE-1-E2		252	Y	
COS201734-HW24-118-003	SOCKEYE	AUGUST	101	112	10				SE-1-E3		253	Y	
COS201734-HW24-118-004	SOCKEYE	AUGUST	71	79	4				SE-1-E4		254	Y	
COS201734-HW25-118-001	SOCKEYE	AUGUST	90	101	7				SE-1-E5		255	Y	
COS201734-HW25-118-002	SOCKEYE	AUGUST	96	107	9						256	Y	
COS201734-HW25-118-003	SOCKEYE	AUGUST	93	104	7						257	Y	
COS201734-HW25-118-004	SOCKEYE	AUGUST	91	100	7						258	Y	
COS201734-HW25-118-005	SOCKEYE	AUGUST	92	101	7						259	Y	
COS201734-HW25-118-006	SOCKEYE	AUGUST	104	115	10						260	Y	
COS201734-HW25-118-007	SOCKEYE	AUGUST	103	114	10						261	Y	

APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201734-HW28-118-001	SOCKEYE	AUGUST	94	105	8						262	Y	
COS201734-HW37-118-001	SOCKEYE	AUGUST	96	107	8						263	Y	
COS201734-HW37-118-002	SOCKEYE	AUGUST	101	111	10						264	Y	
COS201734-HW37-118-003	SOCKEYE	AUGUST	103	114	10						265	Y	
COS201734-HW37-118-004	SOCKEYE	AUGUST	105	116	10						266	Y	
COS201734-HW37-118-005	SOCKEYE	AUGUST	100	111	9						267	Y	
COS201734-HW37-118-006	SOCKEYE	AUGUST	106	117	11						268	Y	
COS201734-HW37-118-007	SOCKEYE	AUGUST	106	117	11						269	Y	
COS201734-HW37-118-008	SOCKEYE	AUGUST	96	107	9						270	Y	
COS201734-HW37-118-009	SOCKEYE	AUGUST	75	83	4						271	Y	
COS201734-HW37-118-010	SOCKEYE	AUGUST	103	115	11						272	Y	
COS201734-HW37-118-011	SOCKEYE	AUGUST	97	109	9						273	Y	
COS201734-HW37-118-012	SOCKEYE	AUGUST	95	106	8						274	Y	
COS201734-HW37-118-013	SOCKEYE	AUGUST	105	116	10						275	Y	
COS201734-HW37-118-014	SOCKEYE	AUGUST	92	103	8						276	Y	
COS201734-HW37-118-015	SOCKEYE	AUGUST	106	117	11						277	Y	
COS201734-HW37-118-016	SOCKEYE	AUGUST	103										
COS201734-HW39-118-001	SOCKEYE	AUGUST	105	117	11				SE-1-E6		278	Y	
COS201734-HW40-118-001	SOCKEYE	AUGUST	87	96	6				SE-1-E7		279	Y	
COS201734-HW40-118-002	SOCKEYE	AUGUST	109	121	13				SE-1-E8		280	Y	
COS201734-HW40-118-003	SOCKEYE	AUGUST	100	111	9				SE-1-E9		281	Y	
COS201734-HW40-118-004	SOCKEYE	AUGUST	90	99	7				SE-1-E10		282	Y	
COS201734-HW33-118-001	SOCKEYE	AUGUST	92	102	8						283	Y	
COS201734-HW33-118-002	SOCKEYE	AUGUST	105	115	11						284	Y	
COS201734-HW33-118-003	SOCKEYE	AUGUST	102	114	10						285	Y	
COS201734-HW33-118-004	SOCKEYE	AUGUST	104	115	11						286	Y	
COS201734-HW33-118-005	SOCKEYE	AUGUST	106	119	12						287	Y	
COS201734-HW33-118-006	SOCKEYE	AUGUST	102	114	10						288	Y	
COS201734-HW33-118-007	SOCKEYE	AUGUST	106	118	11						289	Y	
COS201734-HW33-118-008	SOCKEYE	AUGUST	109	121	12						290	Y	
COS201734-HW33-118-009	SOCKEYE	AUGUST	92	103	8						291	Y	
COS201734-HW33-118-010	SOCKEYE	AUGUST	99	109	9						292	Y	
COS201734-HW33-118-011	SOCKEYE	AUGUST	92	104	8						293	Y	
COS201734-HW33-118-012	SOCKEYE	AUGUST	105	115	11						294	Y	
COS201734-HW33-118-013	SOCKEYE	AUGUST	95	105	8						295	Y	
COS201734-HW33-118-014	SOCKEYE	AUGUST	105	116	11						296	Y	
COS201734-HW33-118-015	SOCKEYE	AUGUST	96	106	9						297	Y	
COS201734-HW33-118-016	SOCKEYE	AUGUST	105										
COS201734-HW33-118-017	SOCKEYE	AUGUST	106										
COS201734-HW33-118-018	SOCKEYE	AUGUST	90										
COS201734-HW33-118-019	SOCKEYE	AUGUST	105										
COS201734-HW33-118-020	SOCKEYE	AUGUST	101										
COS201734-HW33-118-021	SOCKEYE	AUGUST	88										
COS201734-HW33-118-022	SOCKEYE	AUGUST	102										
COS201734-HW33-118-023	SOCKEYE	AUGUST	107										
COS201734-HW33-118-024	SOCKEYE	AUGUST	104										
COS201734-HW33-118-025	SOCKEYE	AUGUST	95										
COS201734-HW33-118-026	SOCKEYE	AUGUST	103										
COS201734-HW33-118-027	SOCKEYE	AUGUST	105										
COS201734-HW33-118-028	SOCKEYE	AUGUST	103										
COS201734-HW33-118-029	SOCKEYE	AUGUST	97										
COS201734-HW33-118-030	SOCKEYE	AUGUST	95										
COS201734-HW33-118-031	SOCKEYE	AUGUST	105										
COS201734-HW33-118-032	SOCKEYE	AUGUST	99										
COS201734-HW33-118-033	SOCKEYE	AUGUST	94										
COS201734-HW33-118-034	SOCKEYE	AUGUST	98										
COS201734-HW33-118-035	SOCKEYE	AUGUST	103										
COS201734-HW33-118-036	SOCKEYE	AUGUST	91										
COS201734-HW33-118-037	SOCKEYE	AUGUST	103										
COS201734-HW33-118-038	SOCKEYE	AUGUST	105										
COS201734-HW33-118-039	SOCKEYE	AUGUST	108										
COS201734-HW33-118-040	SOCKEYE	AUGUST	105										
COS201734-HW33-118-041	SOCKEYE	AUGUST	111										

APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201734-HW33-118-042	SOCKEYE	AUGUST	104										
COS201734-HW33-118-043	SOCKEYE	AUGUST	98										
COS201734-HW33-118-044	SOCKEYE	AUGUST	102										
COS201734-HW33-118-045	SOCKEYE	AUGUST	96										
COS201734-HW33-118-046	SOCKEYE	AUGUST	97										
COS201734-HW33-118-047	SOCKEYE	AUGUST	103										
COS201734-HW33-118-048	SOCKEYE	AUGUST	101										
COS201734-HW33-118-049	SOCKEYE	AUGUST	105										
COS201734-HW33-118-050	SOCKEYE	AUGUST	96										
COS201734-HW33-118-051	SOCKEYE	AUGUST	107										
COS201734-HW33-118-052	SOCKEYE	AUGUST	104										
COS201734-HW33-118-053	SOCKEYE	AUGUST	101										
COS201734-HW33-118-054	SOCKEYE	AUGUST	99										
COS201734-HW33-118-055	SOCKEYE	AUGUST	105										
COS201734-HW33-118-056	SOCKEYE	AUGUST	105										
COS201734-HW33-118-057	SOCKEYE	AUGUST	103										
COS201734-HW33-118-058	SOCKEYE	AUGUST	104										
COS201734-HW33-118-059	SOCKEYE	AUGUST	100										
COS201734-HW33-118-060	SOCKEYE	AUGUST	102										
COS201734-HW33-118-061	SOCKEYE	AUGUST	99										
COS201734-HW33-118-062	SOCKEYE	AUGUST	106										
COS201734-HW33-118-063	SOCKEYE	AUGUST	110										
COS201734-HW33-118-064	SOCKEYE	AUGUST	99										
COS201734-HW33-118-065	SOCKEYE	AUGUST	98										
COS201734-HW33-118-066	SOCKEYE	AUGUST	103										
COS201734-HW33-118-067	SOCKEYE	AUGUST	104										
COS201734-HW33-118-068	SOCKEYE	AUGUST	104										
COS201734-HW33-118-069	SOCKEYE	AUGUST	101										
COS201734-HW33-118-070	SOCKEYE	AUGUST	106										
COS201734-HW33-118-071	SOCKEYE	AUGUST	78										
COS201734-HW33-118-072	SOCKEYE	AUGUST	102										
COS201734-HW33-118-073	SOCKEYE	AUGUST	99										
COS201734-HW33-118-074	SOCKEYE	AUGUST	107										
COS201734-HW33-118-075	SOCKEYE	AUGUST	97										
COS201734-HW33-118-076	SOCKEYE	AUGUST	105										
COS201734-HW33-118-077	SOCKEYE	AUGUST	82										
COS201734-HW33-118-078	SOCKEYE	AUGUST	109										
COS201734-HW33-118-079	SOCKEYE	AUGUST	106										
COS201734-HW33-118-080	SOCKEYE	AUGUST	101										
COS201734-HW33-118-081	SOCKEYE	AUGUST	113										
COS201734-HW33-118-082	SOCKEYE	AUGUST	100										
COS201734-HW33-118-083	SOCKEYE	AUGUST	95										
COS201734-HW33-118-084	SOCKEYE	AUGUST	105										
COS201734-HW33-118-085	SOCKEYE	AUGUST	85										
COS201734-HW33-118-086	SOCKEYE	AUGUST	73										
COS201734-HW33-118-087	SOCKEYE	AUGUST	105										
COS201734-HW33-118-088	SOCKEYE	AUGUST	95										
COS201734-HW33-118-089	SOCKEYE	AUGUST	105										
COS201734-HW33-118-090	SOCKEYE	AUGUST	99										
COS201734-HW33-118-091	SOCKEYE	AUGUST	89										
COS201734-HW33-118-092	SOCKEYE	AUGUST	103										
COS201734-HW33-118-093	SOCKEYE	AUGUST	94										
COS201734-HW33-118-094	SOCKEYE	AUGUST	110										
COS201734-HW33-118-095	SOCKEYE	AUGUST	96										
COS201734-HW33-118-096	SOCKEYE	AUGUST	97										
COS201734-HW33-118-097	SOCKEYE	AUGUST	100										
COS201734-HW33-118-098	SOCKEYE	AUGUST	91										
COS201734-HW33-118-099	SOCKEYE	AUGUST	102										
COS201734-HW33-118-100	SOCKEYE	AUGUST	105										
COS201734-HW33-118-101	SOCKEYE	AUGUST	102										
COS201734-HW33-118-102	SOCKEYE	AUGUST	103										
COS201734-HW33-118-103	SOCKEYE	AUGUST	94										
COS201734-HW33-118-104	SOCKEYE	AUGUST	105										

APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201734-HW33-118-105	SOCKEYE	AUGUST	102										
COS201734-HW33-118-106	SOCKEYE	AUGUST	98										
COS201734-HW33-118-107	SOCKEYE	AUGUST	106										
COS201734-HW33-118-108	SOCKEYE	AUGUST	102										
COS201734-HW33-118-109	SOCKEYE	AUGUST	99										
COS201734-HW33-118-110	SOCKEYE	AUGUST	101										
COS201734-HW33-118-111	SOCKEYE	AUGUST	90										
COS201734-HW33-118-112	SOCKEYE	AUGUST	89										
COS201734-HW33-118-113	SOCKEYE	AUGUST	106										
COS201734-HW33-118-114	SOCKEYE	AUGUST	90										
COS201734-HW33-118-115	SOCKEYE	AUGUST	95										
COS201734-HW33-118-116	SOCKEYE	AUGUST	100										
COS201734-HW33-118-117	SOCKEYE	AUGUST	91										
COS201734-HW33-118-118	SOCKEYE	AUGUST	105										
COS201734-HW33-118-119	SOCKEYE	AUGUST	92										
COS201734-HW33-118-120	SOCKEYE	AUGUST	95										
COS201734-HW33-118-121	SOCKEYE	AUGUST	89										
COS201734-HW33-118-122	SOCKEYE	AUGUST	100										
COS201734-HW33-118-123	SOCKEYE	AUGUST	103										
COS201734-HW33-118-124	SOCKEYE	AUGUST	102										
COS201734-HW33-118-125	SOCKEYE	AUGUST	105										
COS201734-HW33-118-126	SOCKEYE	AUGUST	100										
COS201734-HW33-118-127	SOCKEYE	AUGUST	110										
COS201734-HW33-118-128	SOCKEYE	AUGUST	103										
COS201734-HW33-118-129	SOCKEYE	AUGUST	102										
COS201734-HW33-118-130	SOCKEYE	AUGUST	108										
COS201734-HW33-118-131	SOCKEYE	AUGUST	105										
COS201734-HW33-118-132	SOCKEYE	AUGUST	103										
COS201734-HW33-118-133	SOCKEYE	AUGUST	101										
COS201734-HW33-118-134	SOCKEYE	AUGUST	107										
COS201734-HW33-118-135	SOCKEYE	AUGUST	104										
COS201734-HW33-118-136	SOCKEYE	AUGUST	110										
COS201734-HW33-118-137	SOCKEYE	AUGUST	100										
COS201734-HW33-118-138	SOCKEYE	AUGUST	100										
COS201734-HW33-118-139	SOCKEYE	AUGUST	105										
COS201734-HW33-118-140	SOCKEYE	AUGUST	106										
COS201734-HW33-118-141	SOCKEYE	AUGUST	99										
COS201734-HW33-118-142	SOCKEYE	AUGUST	82										
COS201734-HW33-118-143	SOCKEYE	AUGUST	104										
COS201734-HW33-118-144	SOCKEYE	AUGUST	106										
COS201734-HW33-118-145	SOCKEYE	AUGUST	105										
COS201734-HW33-118-146	SOCKEYE	AUGUST	92										
COS201734-HW33-118-147	SOCKEYE	AUGUST	102										
COS201734-HW33-118-148	SOCKEYE	AUGUST	88										
COS201734-HW33-118-149	SOCKEYE	AUGUST	106										
COS201734-HW33-118-150	SOCKEYE	AUGUST	95										
COS201734-HW33-118-151	SOCKEYE	AUGUST	106										
COS201734-HW33-118-152	SOCKEYE	AUGUST	105										
COS201734-HW33-118-153	SOCKEYE	AUGUST	98										
COS201734-HW33-118-154	SOCKEYE	AUGUST	101										
COS201734-HW33-118-155	SOCKEYE	AUGUST	105										
COS201734-HW33-118-156	SOCKEYE	AUGUST	92										
COS201734-HW33-118-157	SOCKEYE	AUGUST	101										
COS201734-HW33-118-158	SOCKEYE	AUGUST	105										
COS201734-HW33-118-159	SOCKEYE	AUGUST	91										
COS201734-HW33-118-160	SOCKEYE	AUGUST	105										
COS201734-HW33-118-161	SOCKEYE	AUGUST	108										
COS201734-HW33-118-162	SOCKEYE	AUGUST	98										
COS201734-HW33-118-163	SOCKEYE	AUGUST	92										
COS201734-HW33-118-164	SOCKEYE	AUGUST	99										
COS201734-HW33-118-165	SOCKEYE	AUGUST	110										
COS201734-HW33-118-166	SOCKEYE	AUGUST	95										
COS201734-HW33-118-167	SOCKEYE	AUGUST	101										

APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201734-HW33-118-168	SOCKEYE	AUGUST	101										
COS201734-HW33-118-169	SOCKEYE	AUGUST	101										
COS201734-HW33-118-170	SOCKEYE	AUGUST	99										
COS201734-HW33-118-171	SOCKEYE	AUGUST	91										
COS201734-HW33-118-172	SOCKEYE	AUGUST	92										
COS201734-HW33-118-173	SOCKEYE	AUGUST	90										
COS201734-HW33-118-174	SOCKEYE	AUGUST	103										
COS201734-HW33-118-175	SOCKEYE	AUGUST	102										
COS201734-HW33-118-176	SOCKEYE	AUGUST	100										
COS201734-HW33-118-177	SOCKEYE	AUGUST	102										
COS201734-HW33-118-178	SOCKEYE	AUGUST	103										
COS201734-HW33-118-179	SOCKEYE	AUGUST	96										
COS201734-HW33-118-180	SOCKEYE	AUGUST	97										
COS201734-HW33-118-181	SOCKEYE	AUGUST	100										
COS201734-HW33-118-182	SOCKEYE	AUGUST	98										
COS201734-HW33-118-183	SOCKEYE	AUGUST	103										
COS201734-HW33-118-184	SOCKEYE	AUGUST	95										
COS201734-HW33-118-185	SOCKEYE	AUGUST	102										
COS201734-HW33-118-186	SOCKEYE	AUGUST	105										
COS201734-HW33-118-187	SOCKEYE	AUGUST	103										
COS201734-HW33-118-188	SOCKEYE	AUGUST	105										
COS201734-HW33-118-189	SOCKEYE	AUGUST	90										
COS201734-HW33-118-190	SOCKEYE	AUGUST	100										
COS201734-HW33-118-191	SOCKEYE	AUGUST	98										
COS201734-HW33-118-192	SOCKEYE	AUGUST	104										
COS201734-HW33-118-193	SOCKEYE	AUGUST	103										
COS201734-HW33-118-194	SOCKEYE	AUGUST	102										
COS201734-HW33-118-195	SOCKEYE	AUGUST	94										
COS201734-HW33-118-196	SOCKEYE	AUGUST	90										
COS201734-HW33-118-197	SOCKEYE	AUGUST	91										
COS201734-HW33-118-198	SOCKEYE	AUGUST	99										
COS201734-HW33-118-199	SOCKEYE	AUGUST	105										
COS201734-HW33-118-200	SOCKEYE	AUGUST	101										
COS201734-HW33-118-201	SOCKEYE	AUGUST	92										
COS201734-HW33-118-202	SOCKEYE	AUGUST	105										
COS201734-HW33-118-203	SOCKEYE	AUGUST	104										
COS201734-HW33-118-204	SOCKEYE	AUGUST	106										
COS201734-HW33-118-205	SOCKEYE	AUGUST	92										
COS201734-HW33-118-206	SOCKEYE	AUGUST	100										
COS201734-HW33-118-207	SOCKEYE	AUGUST	104										
COS201734-HW33-118-208	SOCKEYE	AUGUST	90										
COS201734-HW33-118-209	SOCKEYE	AUGUST	102										
COS201734-HW33-118-210	SOCKEYE	AUGUST	101										
COS201734-HW33-118-211	SOCKEYE	AUGUST	109										
COS201734-HW33-118-212	SOCKEYE	AUGUST	97										
COS201734-HW33-118-213	SOCKEYE	AUGUST	103										
COS201734-HW33-118-214	SOCKEYE	AUGUST	91										
COS201734-HW33-118-215	SOCKEYE	AUGUST	90										
COS201734-HW33-118-216	SOCKEYE	AUGUST	102										
COS201734-HW33-118-217	SOCKEYE	AUGUST	104										
COS201734-HW33-118-218	SOCKEYE	AUGUST	98										
COS201734-HW33-118-219	SOCKEYE	AUGUST	102										
COS201734-HW33-118-220	SOCKEYE	AUGUST	92										
COS201734-HW33-118-221	SOCKEYE	AUGUST	105										
COS201734-HW33-118-222	SOCKEYE	AUGUST	95										
COS201734-HW33-118-223	SOCKEYE	AUGUST	105										
COS201734-HW33-118-224	SOCKEYE	AUGUST	106										
COS201734-HW33-118-225	SOCKEYE	AUGUST	96										
COS201734-HW33-118-226	SOCKEYE	AUGUST	89										
COS201734-HW33-118-227	SOCKEYE	AUGUST	100										
COS201734-HW33-118-228	SOCKEYE	AUGUST	100										
COS201734-HW33-118-229	SOCKEYE	AUGUST	94										
COS201734-HW33-118-230	SOCKEYE	AUGUST	107										

APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201734-HW33-118-231	SOCKEYE	AUGUST	105										
COS201734-HW33-118-232	SOCKEYE	AUGUST	95										
COS201734-HW33-118-233	SOCKEYE	AUGUST	99										
COS201734-HW33-118-234	SOCKEYE	AUGUST	92										
COS201734-HW33-118-235	SOCKEYE	AUGUST	93										
COS201734-HW33-118-236	SOCKEYE	AUGUST	100										
COS201734-HW33-118-237	SOCKEYE	AUGUST	107										
COS201734-HW33-118-238	SOCKEYE	AUGUST	100										
COS201734-HW33-118-239	SOCKEYE	AUGUST	101										
COS201734-HW33-118-240	SOCKEYE	AUGUST	95										
COS201734-HW33-118-241	SOCKEYE	AUGUST	101										
COS201734-HW33-118-242	SOCKEYE	AUGUST	91										
COS201734-HW33-118-243	SOCKEYE	AUGUST	98										
COS201734-HW33-118-244	SOCKEYE	AUGUST	90										
COS201734-HW33-118-245	SOCKEYE	AUGUST	101										
COS201734-HW33-118-246	SOCKEYE	AUGUST	112										Caught in HW34-from HW33
COS201734-HW33-118-247	SOCKEYE	AUGUST	106										Caught in HW34-from HW33
COS201734-HW33-118-248	SOCKEYE	AUGUST	104										Caught in HW34-from HW33
COS201734-HW33-118-249	SOCKEYE	AUGUST	103										Caught in HW34-from HW33
COS201734-HW33-118-250	SOCKEYE	AUGUST	102										Caught in HW34-from HW33
COS201734-HW33-118-251	SOCKEYE	AUGUST	96										Caught in HW34-from HW33
COS201734-HW33-118-252	SOCKEYE	AUGUST	106										Caught in HW34-from HW33
COS201734-HW33-118-253	SOCKEYE	AUGUST	105										Caught in HW34-from HW33
COS201734-HW33-118-254	SOCKEYE	AUGUST	98										Caught in HW34-from HW33
COS201734-HW33-118-255	SOCKEYE	AUGUST	104										Caught in HW34-from HW33
COS201734-HW33-118-256	SOCKEYE	AUGUST	95										Caught in HW34-from HW33
COS201734-HW33-118-257	SOCKEYE	AUGUST	105										Caught in HW34-from HW33
COS201734-HW33-118-258	SOCKEYE	AUGUST	101										Caught in HW34-from HW33
COS201734-HW33-118-259	SOCKEYE	AUGUST	107										Caught in HW34-from HW33
COS201734-HW33-118-260	SOCKEYE	AUGUST	96										Caught in HW34-from HW33
COS201734-HW33-118-261	SOCKEYE	AUGUST	98										Caught in HW34-from HW33
COS201734-HW33-118-262	SOCKEYE	AUGUST	97										Caught in HW34-from HW33
COS201734-HW33-118-263	SOCKEYE	AUGUST	102										Caught in HW34-from HW33
COS201734-HW33-118-264	SOCKEYE	AUGUST	107										Caught in HW34-from HW33
COS201734-HW33-118-265	SOCKEYE	AUGUST	105										Caught in HW34-from HW33
COS201734-HW33-118-266	SOCKEYE	AUGUST	102										Caught in HW34-from HW33
COS201734-HW33-118-267	SOCKEYE	AUGUST	103										Caught in HW34-from HW33
COS201734-HW33-118-268	SOCKEYE	AUGUST	103										Caught in HW34-from HW33
COS201734-HW33-118-269	SOCKEYE	AUGUST	106										Caught in HW34-from HW33
COS201734-HW33-118-270	SOCKEYE	AUGUST	91										Caught in HW34-from HW33
COS201734-HW33-118-271	SOCKEYE	AUGUST	107										Caught in HW34-from HW33
COS201734-HW33-118-272	SOCKEYE	AUGUST	104										Caught in HW34-from HW33
COS201734-HW33-118-273	SOCKEYE	AUGUST	100										Caught in HW34-from HW33
COS201734-HW33-118-274	SOCKEYE	AUGUST	84										Caught in HW34-from HW33
COS201734-HW33-118-275	SOCKEYE	AUGUST	95										Caught in HW34-from HW33
COS201734-HW33-118-276	SOCKEYE	AUGUST	103										Caught in HW34-from HW33
COS201734-HW33-118-277	SOCKEYE	AUGUST	97										Caught in HW34-from HW33
COS201734-HW33-118-278	SOCKEYE	AUGUST	93										Caught in HW34-from HW33
COS201734-HW33-118-279	SOCKEYE	AUGUST	97										Caught in HW34-from HW33
COS201734-HW33-118-280	SOCKEYE	AUGUST	98										Caught in HW34-from HW33
COS201734-HW33-118-281	SOCKEYE	AUGUST	101										Caught in HW34-from HW33
COS201734-HW33-118-282	SOCKEYE	AUGUST	101										Caught in HW34-from HW33
COS201734-HW33-118-283	SOCKEYE	AUGUST	106										Caught in HW34-from HW33
COS201734-HW33-118-284	SOCKEYE	AUGUST	90										Caught in HW34-from HW33
COS201734-HW33-118-285	SOCKEYE	AUGUST	107										Caught in HW34-from HW33
COS201734-HW33-118-286	SOCKEYE	AUGUST	107										Caught in HW34-from HW33
COS201734-HW33-118-287	SOCKEYE	AUGUST	102										Caught in HW34-from HW33
COS201734-HW33-118-288	SOCKEYE	AUGUST	97										Caught in HW34-from HW33
COS201734-HW33-118-289	SOCKEYE	AUGUST	100										Caught in HW34-from HW33
COS201734-HW33-118-290	SOCKEYE	AUGUST	110										Caught in HW34-from HW33
COS201734-HW33-118-291	SOCKEYE	AUGUST	106										Caught in HW34-from HW33
COS201734-HW33-118-292	SOCKEYE	AUGUST	94										Caught in HW34-from HW33
COS201734-HW33-118-293	SOCKEYE	AUGUST	105										Caught in HW34-from HW33

## APPENDIX 1. INDIVIDUAL CATCH DATA continued

Fish Number	Species	Month	Lgth (mm)	TL (mm)	Wt (g)	CWT	Fin Clip	Sex	Otolith	0/1	DNA	Sample	Comments
COS201734-HW35-118-001	SOCKEYE	AUGUST	106	119	12				SE-1-E11		298	Y	
COS201734-HW35-118-002	SOCKEYE	AUGUST	106	117	11				SE-1-E12		299	Y	
COS201734-HW35-118-003	SOCKEYE	AUGUST	96	107	9				SE-1-F1		300	Y	
COS201734-HW35-118-004	SOCKEYE	AUGUST	105	117	11				SE-1-F2		301	Y	
COS201734-HW35-118-005	SOCKEYE	AUGUST	100	111	9				SE-1-F3		302	Y	
COS201734-HW35-118-006	SOCKEYE	AUGUST	103	115	10				SE-1-F4		303	Y	
COS201734-HW01-118-001	SOCKEYE	AUGUST	105	116	11						304	Y	
COS201734-HW01-118-002	SOCKEYE	AUGUST	105	117	11						305	Y	
COS201734-HW01-118-003	SOCKEYE	AUGUST	106	117	10						306	Y	
COS201734-HW01-118-004	SOCKEYE	AUGUST	108	121	11						307	Y	
COS201734-HW01-118-005	SOCKEYE	AUGUST	107	120	11						308	Y	
COS201734-HW01-118-006	SOCKEYE	AUGUST	109	120	12						309	Y	
COS201734-HW01-118-007	SOCKEYE	AUGUST	104	115	10						310	Y	
COS201734-HW01-118-008	SOCKEYE	AUGUST	105	116	11						311	Y	
COS201734-HW01-118-009	SOCKEYE	AUGUST	112	125	13						312	Y	
COS201734-HW01-118-010	SOCKEYE	AUGUST	108	120	12						313	Y	
COS201734-HW01-118-011	SOCKEYE	AUGUST	100	110	10						314	Y	