

Wild Juvenile Salmonid Monitoring Program 2023 Clayoquot Sound, BC

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Summary

Beach seine sampling was conducted on behalf of Cermaq Canada, with permission from Maaqutusiis Hahoulthee Stewardship Society (MHSS) to conduct operations in Ahousaht Territory, in Clayoquot Sound, BC in 2023. Sampling was completed to monitor sea lice abundance, prevalence, and intensity on juvenile wild salmon within Clayoquot Sound, BC. This data report represents the eighth year of wild juvenile salmonid monitoring within Clayoquot Sound conducted solely by Cermaq Canada.

Sampling was conducted during four separate sampling events in April, May, and June 2023, selected to coincide with the peak outmigration period of juvenile wild salmonids. Sampling was completed at 20 sites within Clayoquot Sound, BC in 2023. The sites were selected based on their locations relative to existing aquaculture sites located in the area. Sampling was completed with the support of the Ahousaht Nation.

Total catch numbers of each salmonid species were recorded. Fifteen individuals or the total number of captured samples (if less than 15 were captured) were collected at each of the 20 sites during the sampling events. Water quality measurements including surface, one meter, and five meter water temperature, salinity, and dissolved oxygen were recorded at each site during each sampling event.

Collected sample fish were frozen and analyzed in the lab for the presence of sea lice by Mainstream Biological Consulting. Sea lice observed on the individual fish specimens during laboratory analysis were initially identified as either *Lepeophtheirus spp.* or *Caligus sp.* These lice are assumed to be *L. salmonis* and *C. clemensi* due to the lack of documented infestation of Pacific salmon by other species. The lice were recorded by life stage and the sex of pre-adult or adult motile lice was determined.

This data summary report documents the observed sea lice infestation rate on retained wild juvenile salmon collected in Clayoquot Sound, BC in 2023. A total of 602 fish samples underwent lab analysis for sea lice infestation in 2023 including 560 chum salmon (*Oncorhynchus keta*) and 42 coho salmon (*Oncorhynchus kisutch*). No sockeye or Atlantic salmon were captured during sampling completed in Clayoquot Sound, BC in 2023. The chinook and pink salmon captured were not retained for sea lice analysis.

A total of 151 individuals were found to be infested with sea lice in the total sample population (n=602), resulting in a calculated sea lice prevalence of 25.1 % in 2023. A total of 360 sea lice were found during laboratory analysis resulting in an abundance of 0.60 and an average intensity of 2.4 for the chum and coho sample population.

Chum salmon smolts were captured in significantly greater numbers than any other species. A total of 2168 chum salmon were captured, representing 97.0 % of all captured salmonids. Of the 2168 chum captured, 560 were retained for lab analysis for sea lice infestation. A total of 143 chum smolts were found to be infested with a total of 334 sea lice resulting in a calculated prevalence of 25.5 %, abundance of 0.60 and an average intensity of 2.3 for the chum salmon sample population.

A total of 43 coho salmon were captured, representing 1.9 % of all captured salmonids. Of the 43 coho captured, 42 were retained for lab analysis for sea lice infestation. Eight coho smolts were found to be infested with 26 sea lice resulting in a calculated prevalence of 19.0 %, abundance of 0.62 and an average intensity of 3.3 for the coho salmon sample population.

A total of 352 *Lepeophtheirus salmonis* sea lice of various life stages were identified on 147 juvenile salmon and 8 *Caligus clemensi* sea lice of various life stages were identified on eight juvenile salmon. Of the infested juvenile salmon four were found to be infested with at least one *L. salmonis* sea louse and one *C. clemensi* sea louse (Appendix III).

A total of 326 *Lepeophtheirus salmonis* sea lice of various life stages were identified on 139 juvenile chum salmon and eight *Caligus clemensi* sea lice of various life stages were found on eight chum salmon. Of the infested chum four were found to be infested with at least one *L. salmonis* and *C. clemensi* sea louse.

A total of 26 *Lepeophtheirus salmonis* sea lice of various life stages were identified on eight juvenile coho salmon (Appendix III). Zero *Caligus clemensi* sea lice were found on the coho salmon sample population.

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CAL= *Caligus clemensi*22

1.0 Introduction

Beach seine sampling was conducted at 20 sites in Clayoquot Sound, BC (Figure 1) to capture wild juvenile salmon on behalf of Cermaq Canada. Four sampling events were completed on April 13/14, April 27/28, May 11/12, and June 1/2. Timing was selected to coincide with the estimated peak outmigration of juvenile salmonids in Clayoquot Sound, BC. Sampling was completed with the support of the Ahousaht Nation.

Parasitic copepods from the family Caligidae (sea lice) found in the coastal waters of British Columbia are divided into two genera: *Lepeophtheirus* and *Caligus*. Eleven species of *Lepeophtheirus* have been identified infesting fish in the Pacific Ocean, while only one species of *Caligus* (*Caligus clemensi*) has been identified (Margolis and Arthur 1979; McDonald and Margolis, 1995). *C. clemensi* infest an extremely wide range of natural hosts in the marine environment including salmonids and non-salmonids; while *L. salmonis* natural hosts on the Pacific coast have been found to include Pacific salmon, threespine stickleback and Pacific herring. During this analysis, *Lepeophtheirus spp.* sea lice found on salmonid specimens were assumed to be *L. salmonis* due to the lack of documented infestations of Pacific salmon by other *Lepeophtheirus* lice species (Jones and Nemeč, 2004).

Both Caligidae genera have similar life histories and developmental stages (Kabata, 1972; Johnson and Albright, 1991a). Sea lice hatch from eggs and go through two free-swimming naupilii stages before developing into an infectious free-swimming copepodid. The copepodids attach to their host and develop through several chalimus stages. The chalimus are non-motile and are attached to their host by a frontal filament. The final chalimus stage terminates as the sea lice become motile and are no longer attached to their hosts by the frontal filament. The sea lice can now move freely on the fish as they develop through a pre-adult stage before becoming reproductively viable adults.

Water temperature and salinity are two environmental variables known to influence sea lice development, growth, survival and reproductive rate. In British Columbia, surface seawater temperatures range from approximately 6 °C to 13 °C. Research on sea lice abundance conducted in the Broughton Archipelago and elsewhere on the coast of British Columbia indicates that surface water temperature during the winter months does not appear to hinder the season abundance of *L. salmonis* (Saksida et al. 2007a, b). The rate of development and the generation times for *C. elongates* are strongly temperature dependent (Tully, 1992) and although this research has not been conducted, similar relationships with water temperature may be expected for *C. clemensi* (Jones and Johnson, 2015). Survival and development of *L. salmonis* is optimal in high salinity seawater. Under laboratory conditions copepodid survival was limited to conditions where salinity was greater than 10 ppt (Johnson and Albright, 1991b).

Cermaq Canada originally requested monitoring of sea lice abundance, prevalence, and intensity on wild juvenile salmon in Clayoquot Sound in support of Aquaculture Stewardship Council's Salmon Standard, but the monitoring program has evolved to be a standard annual monitoring event in cooperation with Ahousaht Fisheries.

This data summary report documents the observed sea lice infestation rates on retained samples collected in Clayoquot Sound in 2023. This represents the eighth year of wild juvenile salmonid monitoring in Clayoquot Sound conducted solely by Cermaq Canada. This monitoring program has been adapted from previous sea lice monitoring completed by the Clayoquot Sound Sea Lice Working Group and represents a continuation of the sampling they conducted between 2003 and 2011.

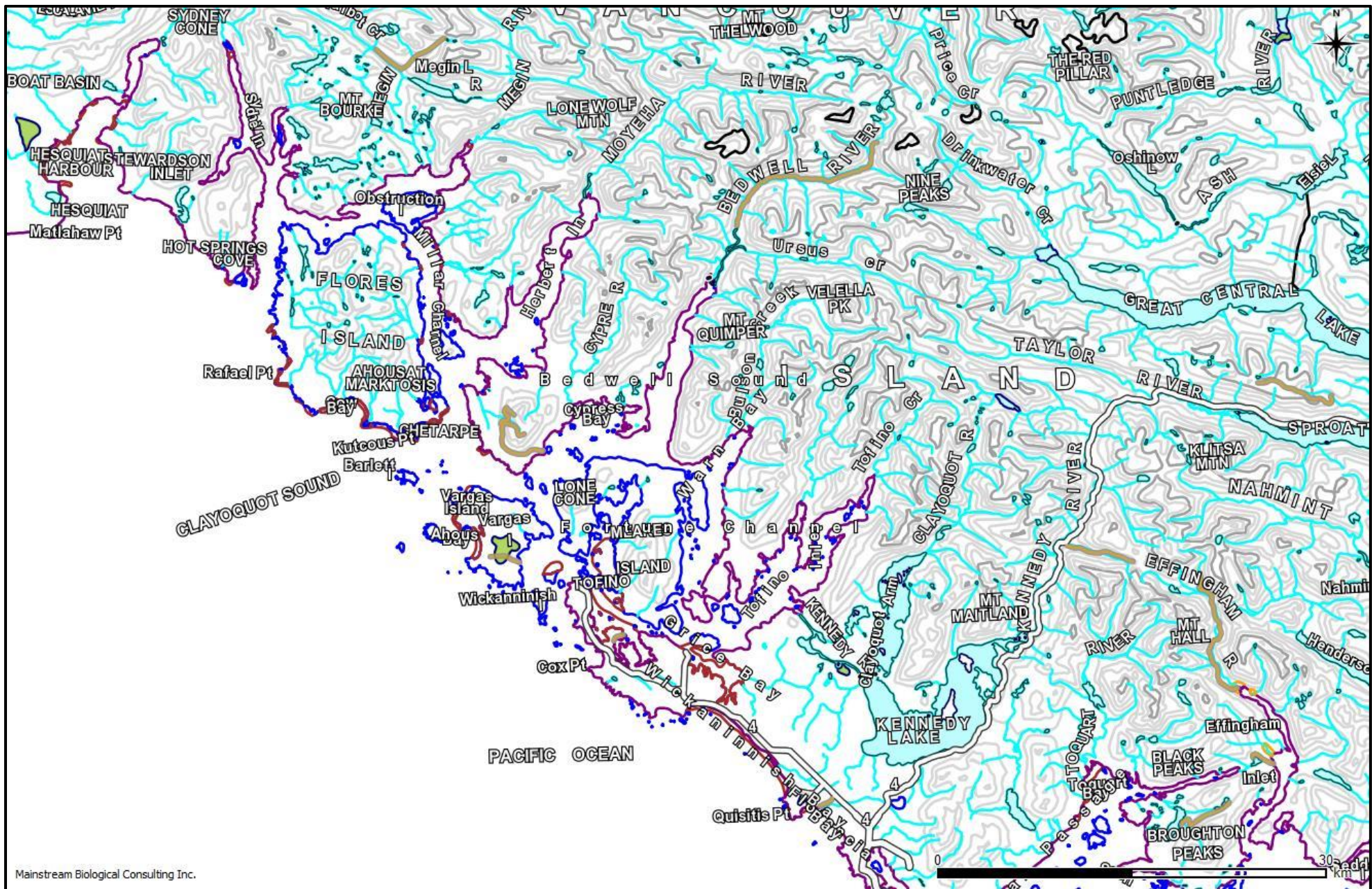


Figure 1: An overview map showing the location of Clayoquot Sound, BC on the west coast of Vancouver Island, BC.

2.0 Methods

Juvenile salmonids were collected from 20 sites in Clayoquot Sound, BC in 2023. Two additional sites were added to the sampling program in 2022. One site was added in Millar Channel and one site was added in Herbert Inlet to gather additional information and obtain a more robust geographic coverage of both areas. All sites were chosen based on their locations relative to existing Cermaq Canada aquaculture sites in the area (Figure 2). The sites were sampled four times in 2023 on April 13 and 14, April 27 and 28, May 11 and 12, June 1 and 2. A fifth sampling event for late June was cancelled due to Highway 4 closure at Cameron Lake Bluff.

2.1 Site Locations

The 20 beach seining sites consisted of three sites in Shelter Inlet, three sites in Millar Channel, three sites in Herbert Inlet, six sites in Bedwell Sound, four sites in Fortune Channel and one in Sydney Inlet. The approximate locations of the 20 beach seine sites are shown in Figure 2. GPS coordinates collected in the field for the sites are presented in Table 1.

Table 1: The site number and locations of the 20 beach seine sites where fish were collected for sea lice analysis in Clayoquot Sound, BC in 2023.

Site Name	Latitude	Longitude
BS1	49 14.505	125 56.922
BS2	49 13.478	125 55.321
BS3	49 16.775	125 54.070
BS4	49 16.066	125 50.226
BS5	49 19.567	125 48.810
BS6	49 14.291	125 50.008
FC1	49 12.655	125 46.202
FC2	49 12.554	125 45.233
FC3	49 14.026	125 47.084
FC4	49 14.316	125 44.585
HI1	49 23.174	125 57.089
HI2	49 20.162	125 56.892
HI3	49 16.966	126 00.604
MC1	49 22.594	126 03.788
MC3	49 19.880	126 04.631
MC4	49 18.822	125 04.885
SD1	49 26.412	126 15.401
S11	49 23.889	126 10.592
S12	49 24.115	126 09.991
S13	49 26.278	126 04.745

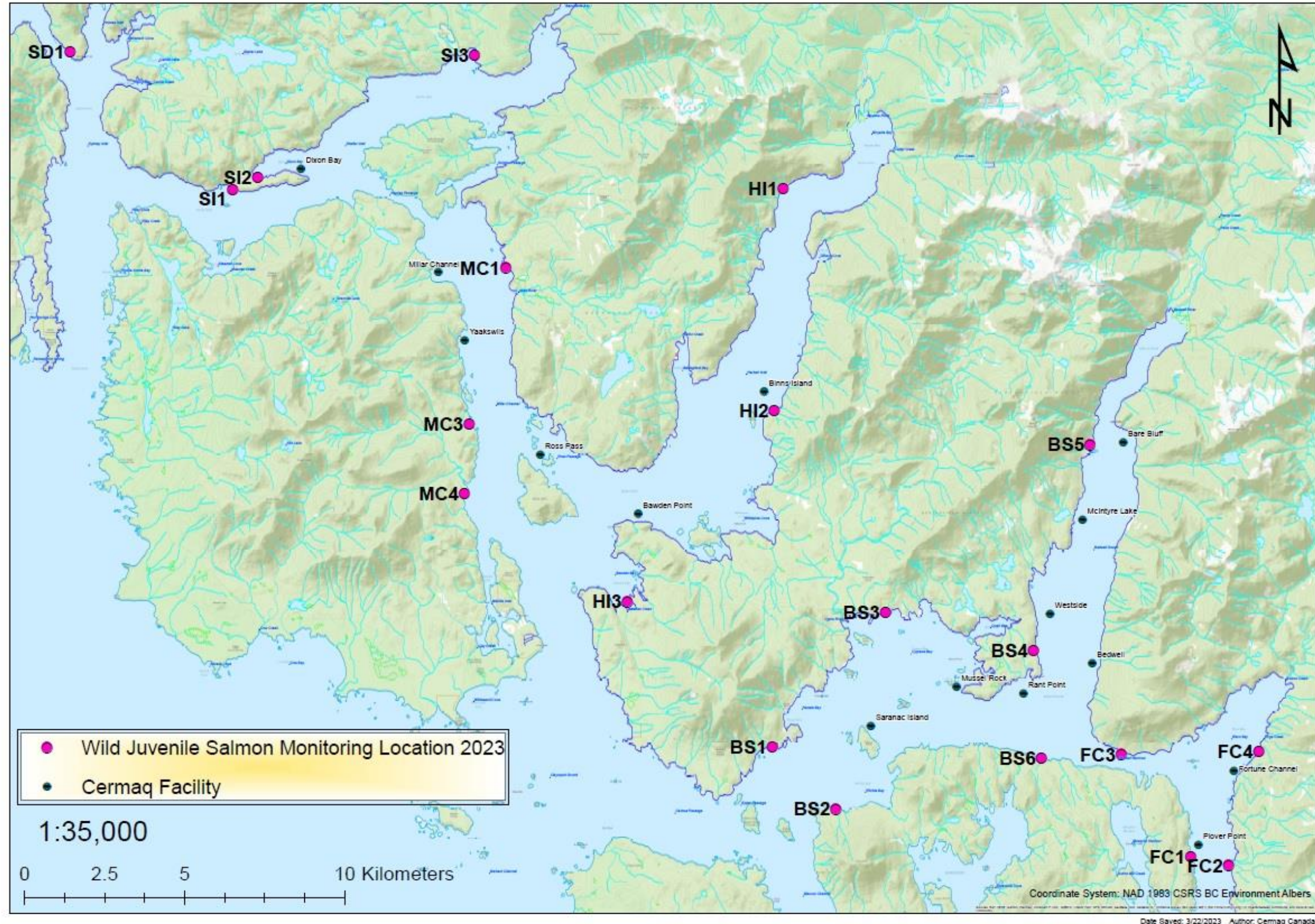


Figure 2: The locations of the 20 beach seine sites in Clayoquot Sound, BC sampled in 2023.

2.2 Field Procedures

Procedures used by Mainstream Biological Consulting during 2023 sampling were adapted from procedures for beach seining, fish collection and field data recording utilized by the Department of Fisheries and Oceans (DFO).

An Ahousaht Fisheries Guardian vessel was used to access sampling sites. A 150 ft (45.7 m) long by 12 ft (3.7 m) deep beach seine net was used to capture specimens. The net was constructed in three 50 ft (15.2 m) sections, with the centre bunt consisting of one-quarter inch diameter diamond mesh, and two side panels (wings) consisting of half-inch diameter diamond mesh. Floats were attached every 30 cm along the top-line and a lead line provided weight along the bottom of the net.

A three person crew conducted the beach seine sets. All beaches were approached slowly by boat and one crewmember was put ashore with one end of the net towline. The onshore crewmember held the towline at one side of the sample site, while the second crewmember ensured the net deployed smoothly off the bow or side of the boat as the third crewmember backed the boat in a wide semicircle towards the opposite side of the sample site. When the net was fully deployed, the second crewmember stepped into the shallow water with the towline or tossed it to the awaiting crewmember on shore. A slow retrieval of the net began immediately.

As the net was slowly retrieved, surface, one meter and five meter water quality data was collected for temperature, salinity and dissolved oxygen using a YSI Pro Quatro Probe.

Crewmembers retrieved the net evenly from opposite ends, ensuring that the lead line remained as close to the bottom as possible. Retrieved netting was piled on the beach above the water level. As the retrieval reached the net bunt, the lead line was retrieved at a faster rate than the floats to allow the netting of the bunt to form a bag under any captured fish. The lead line was then pulled up onto the beach above the water level. One crewmember worked their way around the outside of the net in the shallow water to ensure the floats stayed above the surface of the water. In this manner a small, shallow bag formed from the bunt of the net contained the captured fish in the water so that they could be sampled.

The crew members collected individual fish from the bunt to ensure that captured fish remained in the net for as short a period of time as possible. The net was manipulated as necessary in response to changing tides to ensure the captured fish remained in sufficient water to minimize contact with the net or with other fish.

Where possible, a total of 15 individuals from each target species were retained for sea lice infestation analysis. If less than 15 individuals of a target species were captured, all the captured fish were retained. Individual fish were randomly “swam” into an appropriately sized Whirlpac bag. Handling of fish was kept to a minimum.

Once all the fish for retention were collected, a total catch number was recorded for each species. Any fish remaining in the net were counted or estimated (if more than 300 individuals were present) and released. The total of fish remaining in the net was added to the number of retained individuals to calculate a total capture number for a given species.

A standardized field form was used to record the following information for each beach seine set:

- Site name or number
- Date
- Time at the end of the individual fish collection
- Comments on weather and oceanic conditions
- Total capture and retained fish numbers for each specimen group
- Water temperature (°C), salinity (ppt) and dissolved oxygen (mg/l) to one decimal place
- GPS coordinates
- The number of salmon mortalities.

Retained fish from each site were packaged separately in re-sealable bags and labelled with the site name or number, the date and sample numbers of each species. Sample bags were stored on ice in a cooler while on board the boat and transferred to a portable freezer on the support boat immediately following completion of the set.

Following each set the net was reloaded onto the boat. Crewmembers scanned the net for obvious holes, which were repaired immediately if found.

The above sampling procedures were repeated at each of the sample sites.

2.3 Laboratory Procedures

Laboratory procedures for sea lice analysis were adapted from procedures demonstrated by Sheila Dawe and Eliah Kim at the Pacific Biological Station in Nanaimo, BC, during sea lice identification training that was conducted on April 1, 2004. Additional sea lice identification training by Paul Callow was conducted at the Pacific Biological Station in September 2007.

Fish samples were thawed immediately prior to analysis. Individual fish were identified to species and counted. Results of the lab identification and count were compared to the reported data found on the field data sheets to identify any errors.

A standardized data sheet was used to record sea lice analysis results for each site. The site and week number, sample date and number of fish and specimen groups present were recorded. The date of the lab analysis was also noted.

Once thawed, individual fish were removed from their bag using a pair of forceps at the caudal peduncle and placed in a petri dish. Each bag was labelled with an individual fish identification number. Each fish was then scanned for the presence of sea lice under a stereoscopic dissection microscope. The microscope was set at a magnification of 20X for the preliminary survey of each fish sample, and magnification was increased to up to 40X during individual sea lice identification.

Microscopic analysis of each individual fish began at the anterior end of the right side of the specimen. The head was examined first, after which a scan was made along the dorsal half of the specimen working towards the posterior end and the tail. The dorsal fin and caudal fin were lifted and expanded with a pair of forceps to check for lice. From the posterior end a return scan was made along the ventral half of the specimen back to the head. The anal fin, pelvic fin and pectoral fin were lifted and expanded, and the operculum was lifted. The fish was then flipped using a pair of forceps at the caudal peduncle and the procedure was repeated on the opposite side of the specimen. Additional scans were made longitudinally down the fish if the entire depth of the fish could not be seen in a single pass. Any sea lice observed on the fish were removed and placed in a petri dish of saline solution.

Each Whirlpac bag was visually inspected after the removal of the fish for the presence of pre-adult or adult sea lice that may have become dislodged during handling. Any sea lice found in the sample bags were identified under the microscope using the same characteristics outlined above. These “loose” sea lice were recorded on the data sheet with the data for the corresponding specimen and it was assumed that the lice had come from that individual.

Sea lice were identified using characteristics outlined by Kabata (1972) and Johnson and Albright (1991a). Sea lice observed on individual fish were identified as either non-motile chalimus (including copepodid), or motile pre-adults and adults. Non-motile sea lice were identified as one of two chalimus stages for *L. salmonis* (Hamre et al., 2013) or four chalimus stages for *C. clemensi*. Motile lice, either pre-adults or adults, were identified as either *L. salmonis* or *C. clemensi* and the sex of the louse was determined.

Chalimus were identified to species primarily by characteristics of the frontal filament. However, size, shape, genital development, and leg development were used as secondary identifying characteristics for speciation as well as primary indicators for life stage identification. Motile sea lice were identified to species by the presence or absence of lunules. If lunules were absent the louse was identified as *Lepeophtheirus* spp. The louse was identified as *Caligus* spp. if lunules were present.

Sea lice found on captured specimens have been assumed to be either *L. salmonis* or *C. clemensi* due to the lack of documented infestations of Pacific salmon by other species of sea lice (Jones and Nemeč, 2004).

After microscopic analysis individual fish specimens were measured (fork length) in millimetres and weighed to the nearest tenth of a gram. Lengths and weights were recorded on the data sheet with the specimen’s corresponding sea lice analysis results. The fish were then returned to their respective individual bags and repackaged in the large re-sealable bags by site before being refrozen.

To allow for quality assurance of sea lice identification, all sea lice were placed in vials labelled with the corresponding fish identification number and preserved in 70% isopropyl alcohol. Ten percent of the deloused fish specimens were randomly selected by specimen number and retained. Both the preserved lice and retained deloused fish specimens will be kept at the office of Mainstream Biological Consulting in Campbell River for five years.

2.4 Data Analysis

Surface, one meter and five meter water quality data collected for temperature, salinity and dissolved oxygen was summarized to report the minimum and maximum values and averages for each sample week.

Beach seine fish sample composition was summarized by species and site for each sample period. The fork lengths and weights of the samples were summarized to present minimum and maximum values as well as averages. Sea lice infestation rates, including the overall number of infested fish and the number of sea lice identified, were determined for the sample population, and prevalence and abundance of sea lice were calculated. Prevalence was defined as the number of host fish found to have one or more sea lice compared to the total number of host fish examined, while abundance was defined as the total number of sea lice observed compared to the total number of host fish examined. The intensity of sea lice infestation, as described by the average number of sea lice found on a single salmon infested was summarized. Average intensity was

calculated by dividing the total number of sea lice identified by the number of infested fish.

Statistical analysis of the spatial and temporal distribution of sea lice was not conducted. Spatial and temporal analysis has been limited to the simple presentation and discussion of the number of sea lice found on fish specimens collected from each site during each of the sampling events.

3.0 Results

The following sections outline the results of beach seine collection and inspection of juvenile salmonids collected from Clayoquot Sound, BC in 2023. Water quality field data is presented in Appendix I, beach seine fish capture data is included in Appendix II and data on the fish sample population including sea lice lab analysis results are listed in Appendix III.

3.1 Water Quality Parameters

Surface, one meter, and five meter depth measurements of water temperature salinity and dissolved oxygen taken during beach seining at each of the 20 sites during the four sample periods are summarized in Table 2, Table 3 and Table 4 respectively and the complete dataset is included in Appendix I.

Recorded surface water temperature ranged from a low of 7.2 °C recorded at Site SI2 on April 13, 2023, to a high of 16.1 °C recorded at Site HI2 on June 1, 2023 (Table 2; Appendix I). Average surface water temperature increased from 8.6 °C to 13.6 °C, over the sampling period.

Recorded surface water salinity ranged from a low of 5.7 ppt recorded at Site HI1 on April 27, 2023, to a high of 24.0 ppt recorded at Site FC3 on June 2, 2023 (Table 2; Appendix I). Average surface water salinity ranged from 15.9 ppt for April 27/28, 2023, to 21.3 for June 1/2, 2023.

Recorded surface dissolved oxygen ranged from a low of 7.9 mg/L recorded at Site HI2 on June 1, 2023, to a high of 17.7 mg/L recorded at Site MC4 on June 1, 2023 (Table 2; Appendix I). Average surface dissolved oxygen ranged from 9.2 mg/L for June 1/2, 2023, to 11.2 mg/L for April 27/28, 2023.

Recorded one meter water temperature ranged from a low of 7.1 °C recorded at Site SI2 on April 13, 2023, to a high of 16.0 °C recorded at Site HI2 on June 1, 2023 (Table 3; Appendix I). Average one meter water temperature increased from 8.8 °C to 13.5 °C, over the sampling period.

Recorded one meter water salinity ranged from 13.4 ppt recorded at Site SI2 on April 13, 2023, to a high of 24.2 ppt recorded at Site SI2 on June 1, 2023 (Table 3; Appendix I). Average one meter water salinity ranged from 18.4 ppt for April 27/28, 2023, to 22.5 ppt for June 1/2, 2023.

Recorded one meter dissolved oxygen ranged from 8.2 mg/L recorded at Site HI2 on June 1, 2023, to a high of 12.1 mg/L recorded at Site FC2 on April 28, 2023 (Table 3; Appendix I). Average one meter dissolved oxygen ranged from 8.9 mg/L for June 1/2, 2023 to 11.0 mg/L for April 27/28, 2023.

Recorded five meter water temperature ranged from 8.4 °C recorded at Site BS6 on April 14, 2023, to a high of 14.3 °C recorded at Site SD1 on June 1, 2023 (Table 4; Appendix I). Average five meter water temperature increased from 8.7 °C to 11.9 °C, over the sampling period.

Recorded five meter water salinity ranged from 19.6 ppt recorded at Site FC2 on April 28, 2023, to a high of 25.7 ppt recorded Site SI1 on June 1, 2023 (Table 4; Appendix I). Average five meter water salinity increased from 22.9 ppt to 24.0 ppt, over the sampling period.

Recorded five meter dissolved oxygen ranged from 8.3 mg/L recorded at Site FC3 on June 2, 2023, to a high of 14.0 mg/L recorded at Site MC4 on May 11, 2023 (Table 4; Appendix I). Average five meter dissolved oxygen ranged from 9.5 mg/L for June 1/2, 2023, to 11.4 mg/L for May 11/12, 2023.

Table 2: Surface water quality parameters collected during 2023 beach seine sampling in Clayoquot Sound, BC.

Site	April 13/14			April 27/28			May 11/12			June 1/2		
	Salinity (ppt)	Temp. (°C)	DO (mg/L)	Salinity (ppt)	Temp. (°C)	DO (mg/L)	Salinity (ppt)	Temp. (°C)	DO (mg/L)	Salinity (ppt)	Temp. (°C)	DO (mg/L)
BS1	22.1	9.5	12.4	20.9	9.7	11.0	15.0	10.6	9.6	23.8	12.5	9.8
BS2	22.2	9.1	10.1	22.0	10.5	11.0	23.3	11.1	10.6	23.5	12.8	8.9
BS3	20.7	7.5	10.8	19.0	10.1	10.4	22.2	10.9	10.0	22.8	12.8	8.3
BS4	19.7	8.4	10.0	17.7	9.4	9.9	16.4	11.7	9.3	18.2	12.7	8.5
BS5	15.5	8.0	11.1	15.4	9.4	10.6	11.9	11.4	10.6	20.6	13.0	8.5
BS6	22.1	8.8	10.5	18.5	10.7	10.3	22.1	11.2	10.3	20.5	13.6	8.5
FC1	17.2	9.0	10.6	14.3	10.6	11.4	20.4	12.9	10.8	22.3	13.1	9.0
FC2	19.5	9.5	10.3	16.2	12.0	12.2	21.1	12.0	10.4	22.5	12.5	9.0
FC3	20.4	8.8	10.5	12.8	10.7	12.7	22.1	10.9	10.6	24.0	11.8	9.1
FC4	17.3	8.5	10.0	7.6	9.1	12.3	14.7	12.7	10.6	22.5	13.1	9.6
HI1	7.5	8.8	11.3	5.7	11.1	11.9	11.1	15.5	9.5	9.2	15.1	8.7
HI2	15.2	9.2	11.2	18.2	11.6	11.2	20.1	13.8	10.1	16.8	16.1	7.9
HI3	17.2	9.7	11.4	21.0	12.0	11.8	21.3	13.2	11.5	22.4	15.2	8.4
MC1	17.4	8.7	11.0	14.4	11.3	10.9	18.3	13.2	10.4	22.8	13.6	8.3
MC3	19.3	8.8	11.2	17.3	10.4	10.8	20.5	12.3	10.3	21.8	14.4	8.4
MC4	17.5	8.8	11.5	19.2	10.3	10.4	20.8	12.0	10.6	21.8	13.8	17.7
SD1	18.7	8.0	11.5	13.7	10.0	11.0	20.2	13.6	9.4	23.7	14.5	8.7
SI1	16.2	8.2	11.8	16.7	10.3	11.3	21.6	12.6	10.5	23.1	13.2	8.9
SI2	13.4	7.2	11.7	15.3	9.8	10.9	19.5	11.6	11.0	23.9	12.7	9.2
SI3	11.4	7.7	12.1	12.0	9.9	12.7	14.1	12.3	10.2	20.4	14.9	8.4
Average	17.5	8.6	11.1	15.9	10.4	11.2	18.8	12.3	10.3	21.3	13.6	9.2

Table 3: One meter water quality parameters collected during 2023 beach seine sampling in Clayoquot Sound, BC.

Site	April 13/14			April 27/28			May 11/12			June 1/2		
	Salinity (ppt)	Temp. (°C)	DO (mg/L)	Salinity (ppt)	Temp. (°C)	DO (mg/L)	Salinity (ppt)	Temp. (°C)	DO (mg/L)	Salinity (ppt)	Temp. (°C)	DO (mg/L)
BS1	22.2	9.0	11.5	21.7	9.6	10.2	23.2	10.6	9.6	23.8	12.5	10.2
BS2	22.2	8.7	9.8	22.0	10.4	10.7	23.3	10.8	10.3	23.6	12.7	9.0
BS3	21.5	8.5	10.7	19.7	10.1	10.7	22.2	10.9	10.4	23.7	12.3	9.5
BS4	20.0	8.5	10.6	18.1	9.5	10.6	20.9	11.5	9.9	22.0	12.9	8.6
BS5	22.5	8.6	10.7	17.8	9.4	10.0	20.9	11.2	10.6	21.0	13.0	8.8
BS6	22.2	8.7	10.9	18.9	10.5	10.6	22.6	10.7	10.4	20.7	13.7	8.7
FC1	19.8	9.2	10.0	17.3	11.1	10.6	21.3	11.2	10.8	22.5	12.7	8.9
FC2	21.5	9.5	10.4	16.4	11.5	12.1	21.0	12.0	10.9	22.5	12.3	8.8
FC3	21.0	8.8	10.3	14.5	10.2	12.0	22.0	11.0	10.4	24.0	11.8	8.5
FC4	21.3	8.9	9.9	16.6	10.3	11.7	19.9	11.5	10.9	22.5	13.1	9.2
HI1	21.2	9.1	10.4	17.2	11.3	11.2	17.3	14.2	10.1	21.1	15.9	8.8
HI2	17.7	9.3	11.2	19.1	11.3	10.8	20.2	13.8	10.5	20.3	16.0	8.2
HI3	15.5	9.6	11.7	21.4	11.2	11.8	22.0	11.9	11.5	23.5	14.2	9.0
MC1	22.2	8.8	11.0	16.3	11.4	11.4	20.2	13.3	10.3	22.9	13.9	8.4
MC3	19.6	8.8	11.3	17.5	10.4	10.5	20.6	12.4	10.4	22.3	14.4	8.5
MC4	19.8	8.9	11.5	19.4	10.0	10.5	21.3	12.1	10.7	22.1	14.2	9.3
SD1	20.3	8.5	11.1	23.4	9.0	10.7	20.9	13.3	9.8	23.7	14.5	8.6
SI1	17.6	8.2	11.5	18.9	10.2	11.0	22.2	11.6	10.5	23.7	12.6	8.8
SI2	13.4	7.1	11.7	15.5	9.6	10.7	19.9	11.5	11.0	24.2	12.3	8.9
SI3	17.3	8.7	11.1	17.1	9.7	11.7	22.4	11.3	10.9	20.6	14.6	8.6
Average	19.9	8.8	10.9	18.4	10.3	11.0	21.2	11.8	10.5	22.5	13.5	8.9

Table 4: Five meter water quality parameters collected during 2023 beach seine sampling in Clayoquot Sound, BC.

Site	April 13/14			April 27/28			May 11/12			June 1/2		
	Salinity (ppt)	Temp. (°C)	DO (mg/L)	Salinity (ppt)	Temp. (°C)	DO (mg/L)	Salinity (ppt)	Temp. (°C)	DO (mg/L)	Salinity (ppt)	Temp. (°C)	DO (mg/L)
BS1	22.3	9.0	11.1	22.5	9.5	8.9	23.6	10.5	9.5	23.8	12.5	9.5
BS2	23.7	8.5	10.2	23.2	8.9	10.9	24.1	10.4	10.8	23.8	12.1	9.5
BS3	21.9	8.8	10.5	22.1	9.4	10.2	22.4	10.8	10.0	23.8	11.9	9.4
BS4	21.7	8.6	10.8	22.3	9.0	10.3	22.6	10.1	11.7	23.0	12.0	9.7
BS5	22.8	8.6	10.0	22.2	8.9	9.5	22.6	9.7	10.9	22.0	12.1	9.3
BS6	23.6	8.4	10.3	22.3	9.1	10.0	23.0	10.3	10.7	23.5	12.2	8.7
FC1	22.7	8.6	10.4	21.8	8.9	9.5	22.1	10.2	11.0	22.7	12.1	8.7
FC2	21.8	8.8	11.1	19.6	9.3	11.9	22.0	10.2	10.8	23.0	11.7	8.6
FC3	22.3	8.6	10.8	22.1	9.0	10.0	22.4	10.3	10.1	24.0	11.8	8.3
FC4	21.4	8.9	9.7	21.5	9.3	10.3	22.1	10.2	11.0	22.8	12.7	9.6
HI1	24.2	9.1	11.8	23.8	9.2	11.9	22.3	11.8	11.7	24.5	10.9	10.6
HI2	21.5	9.3	10.7	24.6	8.9	10.1	23.9	10.4	12.6	24.4	12.0	10.9
HI3	24.1	8.8	12.2	23.8	9.1	12.2	23.4	11.5	12.7	24.9	11.1	10.1
MC1	23.7	8.8	11.7	23.9	8.7	11.0	24.1	10.0	11.7	24.6	12.0	9.5
MC3	23.5	8.8	11.2	23.7	8.8	9.7	23.7	10.5	12.3	24.7	11.8	10.1
MC4	23.3	8.8	11.2	23.8	8.7	10.6	23.8	10.4	14.0	24.7	11.8	9.8
SD1	20.6	8.5	11.0	24.5	8.7	10.5	24.4	10.2	11.0	23.7	14.3	8.5
SI1	24.9	8.5	11.1	24.3	8.7	11.4	24.3	10.2	11.0	25.7	10.2	8.5
SI2	24.1	8.5	10.3	23.9	8.8	10.1	23.1	11.1	11.2	24.7	11.5	10.0
SI3	23.9	8.5	10.8	24.1	8.7	11.0	23.4	10.4	12.3	25.4	10.6	10.6
Average	22.9	8.7	10.8	23.0	9.0	10.5	23.2	10.5	11.4	24.0	11.9	9.5

3.2 Fish Sample Composition

A total of 2236 fish were captured during beach seine sampling conducted in Clayoquot Sound, BC, in 2023 (Table 5). A summary of the total number of fish captured and collected as specimens at each site over the collection period is presented in Table 6, with a completed dataset provided in Appendix II. Of the 2236 captured, 602 individual chum salmon and coho salmon were retained for lab analysis (Table 5). No sockeye or Atlantic salmon were captured during sampling completed in Clayoquot Sound, BC in 2023. Chum salmon (*O. keta*) smolts were captured in significantly greater numbers than any other species. A total of 2168 chum salmon were captured, representing 97.0 % of all captured fish.

Table 5: The total of collected individuals of each fish species captured in Clayoquot Sound, BC between April 13, 2023, and June 2, 2023, and the percentage of the total capture population that they represent.

Common Name	Capture Totals (% of total capture population)	Collection Totals	Collection %
chum salmon	2168 (97.0 %)	560	25.8
coho salmon	43 (1.9 %)	42	97.7
chinook salmon	24 (1.1 %)	0	0.0
pink salmon	1 (0.04 %)	0	0.0
sockeye salmon	0 (0.0 %)	0	0.0
Atlantic salmon	0 (0.0 %)	0	0.0
All species	2236	602	26.9

Table 6: The number of captured fish (Capture Total) and the number of individual fish collected (Sample Total) from each of the 20 sample sites in Clayoquot Sound, BC between April 13, 2023, and June 2, 2023.

Site	Chum		Coho		Chinook		Sockeye		Pink		Capture Total	Sample Total
	Capture Total	Sample Total	Capture Total	Sample Total	Capture Total	Sample Total	Capture Total	Sample Total	Capture Total	Sample Total		
BS1	73	30	0	0	0	0	0	0	0	0	73	30
BS2	140	39	0	0	0	0	0	0	0	0	140	39
BS3	1	1	0	0	0	0	0	0	0	0	1	1
BS4	164	36	0	0	0	0	0	0	0	0	164	36
BS5	195	60	0	0	0	0	0	0	0	0	195	60
BS6	340	45	1	1	0	0	0	0	0	0	341	46
FC1	161	51	0	0	0	0	0	0	0	0	161	51
FC2	15	15	0	0	0	0	0	0	0	0	15	15
FC3	142	60	0	0	0	0	0	0	0	0	142	60
FC4	5	5	0	0	0	0	0	0	0	0	5	5
HI1	57	30	0	0	1	0	0	0	1	0	59	30
HI2	117	33	6	6	2	0	0	0	0	0	125	39
HI3	1	1	4	4	4	0	0	0	0	0	9	5
MC1	37	21	20	19	0	0	0	0	0	0	57	40
MC3	187	16	0	0	0	0	0	0	0	0	187	16
MC4	10	10	0	0	0	0	0	0	0	0	10	10
SD1	35	33	0	0	0	0	0	0	0	0	35	33
SI1	373	23	0	0	0	0	0	0	0	0	373	23
SI2	103	39	0	0	0	0	0	0	0	0	103	39
SI3	12	12	12	12	17	0	0	0	0	0	41	24
Total	2168	560	43	42	24	0	0	0	1	0	2236	602

3.3 Fish Sample Size Statistics

Summary statistics for weight and fork length were calculated for the sample population of juvenile salmonids. Length (Table 7) and weight (Table 8) data were summarized by sampling event for each species.

3.3.1 Chum Salmon

Individual weight of the 560 chum smolts collected during the four sample events ranged from 0.1 g to 7.9 g and averaged 1.1 g (SD = 0.9). Fork length of the chum smolts ranged from 31 mm to 83 mm and averaged 44 mm (SD = 10).

3.3.2 Coho Salmon

Individual weight of the 42 coho smolts collected during the four sample events ranged from 0.4 g to 23.2 g and averaged 8.8 g (SD = 3.8). Fork length of the coho smolts ranged from 32 mm to 118 mm and averaged 86 mm (SD = 13).

Table 7: Average lengths of chum and coho salmon collected in Clayoquot Sound, BC in 2023, summarized by sampling event.

Species	Average Length (mm)			
	April 13/14	April 27/28	May 11/12	June 1/2
chum	37	41	45	52
coho	67	85	86	99

Table 8: Average weights of chum and coho salmon collected in Clayoquot Sound, BC in 2023, summarized by sampling event.

Species	Average Weight (g)			
	April 13/14	April 27/28	May 11/12	June 1/2
chum	0.6	0.9	1.2	1.8
coho	5.1	8.8	8.2	13.1

3.4 Sea Lice Infestation Rates

The results of laboratory analysis for the presence of sea lice on the fish sample population collected in Clayoquot Sound, BC in 2023 are presented in Table 9. A complete dataset is included in Appendix III. A total of 602 samples were collected at the 20 sites in Clayoquot Sound, BC and inspected for sea lice infestation. A total of 151 salmonids in the sample population were found to be infested with 360 sea lice (Table 9).

The sea lice prevalence in the sample population collected in Clayoquot Sound, BC in 2023 was 25.1 %, the abundance was 0.60 and the average intensity was 2.4 (Table 9).

Table 9: Results of analysis for sea lice infestation on fish collected by beach seine in Clayoquot Sound, BC in 2023.

Species	Sample size (n)	Total number of lice observed	Total number of fish infested	Prevalence (%)	Abundance	Average Intensity
chum	560	334	143	25.5	0.60	2.3
coho	42	26	8	19.0	0.62	3.3
Total	602	360	151	25.1	0.60	2.4

3.4.1 Infestation Rates on Chum Salmon

The results of the laboratory analysis for sea lice infestation for chum salmon are presented by site in Table 10. A total of 143 chum salmon were found to be infested with 334 sea lice. The largest number of chum salmon infested with sea lice (27 chum) and the largest number of total sea lice (77 lice) found on samples, were at Site BS6 (Table 10). Sea lice were found on fish at every site except for Sites BS3, HI1, HI3, and SI3. At least one chum salmon was collected from every site (Table 10).

A total of 143 chum salmon were found to be infested with at least one sea louse. The prevalence of sea lice on the chum salmon sample population (n=560) collected in Clayoquot Sound, BC in 2023 was 25.5 %. Sea lice prevalence calculated by site for chum salmon and is presented in Table 10. The highest sea lice prevalence (60.0 %) was at Site BS6 and FC4.

A total of 334 sea lice were identified during laboratory analysis of retained chum salmon. The abundance of sea lice on the chum salmon sample population (n= 560) collected in Clayoquot Sound, BC in 2023 was 0.60. The 334 sea lice identified were observed on 143 individual chum salmon resulting in an average intensity of 2.3 for the chum sample population. Sea lice abundance and intensity were calculated by site and are presented in Table 10. The highest sea lice abundance (1.71) was at Site BS6, and the highest intensity (3.1) was at Site FC3.

Table 10: Total number, prevalence, abundance, and intensity of sea lice infestation on chum salmon collected in Clayoquot Sound, BC in 2023 summarized by sampling site.

Site	# of Chum Analyzed	# of Infested Chum	Average Weight of Infested Chum (g)	# of Lice	Prevalence (%)	Abundance	Average Intensity
BS1	30	15	0.9	26	50.0	0.87	1.7
BS2	39	20	2.3	46	51.3	1.18	2.3
BS3	1	0	-	0	0.0	0.00	0.0
BS4	36	12	1.0	30	33.3	0.83	2.5
BS5	60	3	0.6	3	5.0	0.05	1.0
BS6	45	27	1.3	77	60.0	1.71	2.9
FC1	51	25	2.8	57	49.0	1.12	2.3
FC2	15	2	1.8	4	13.3	0.27	2.0
FC3	60	22	2.4	67	36.7	1.12	3.0
FC4	5	3	1.6	6	60.0	1.20	2.0
HI1	47	0	-	0	0.0	0.00	0.0
HI2	16	1	3.6	1	6.3	0.06	1.0
HI3	1	0	-	0	0.0	0.00	0.0
MC1	21	1	1.3	1	4.8	0.05	1.0
MC3	16	2	1.2	4	12.5	0.25	2.0
MC4	10	1	1.8	2	10.0	0.20	2.0
SD1	33	1	1.8	1	3.0	0.03	1.0
SI1	23	6	1.5	7	26.1	0.30	1.2
SI2	39	2	1.0	2	5.1	0.05	1.0
SI3	12	0	-	0	0.0	0.00	0.0
TOTAL	560	143	1.7	334	25.5	0.60	2.3

3.4.2 Infestation Rates on Coho Salmon

The results of the laboratory analysis for sea lice infestation for coho salmon are presented by site in Table 10. A total eight coho salmon were found to be infested with 26 sea lice. The largest number of coho salmon infested with sea lice. The largest number of coho salmon infested with sea lice (four coho) and the largest number of sea lice (18 lice) found on samples were at Site HI3 (Table 11). Sea lice were found on fish at every site where samples were retained except for Site SI3. Coho salmon were only retained at five sites (Table 11).

Eight coho salmon were found to be infested with at least one sea louse. The prevalence of sea lice on the coho salmon sample population (n=42) collected in Clayoquot Sound, BC in 2023 was 19.0%. Sea lice prevalence was calculated by site for coho salmon and is presented in Table 11. The highest sea lice prevalence (100.0 %) was at Site BS6 and HI3.

A total of 26 sea lice were identified during laboratory analysis of retained coho salmon. The abundance of sea lice on the coho salmon sample population (n=42) collected in Clayoquot Sound, BC in 2023 was 0.62. The 26 sea lice identified were observed on eight individual coho salmon resulting in an average intensity of 3.3 for the coho salmon sample population. Sea lice abundance and intensity were calculated by site and are presented in Table 11. The highest sea lice abundance (4.50) and average intensity (4.5) was found at Site HI3 where 18 sea lice infested 4 juvenile coho salmon.

Table 11: Total number, prevalence, abundance, and intensity of sea lice infestation on coho salmon collected in Clayoquot Sound, BC in 2023 summarized by sampling site.

Site	# of Coho Analyzed	# of Infested Coho	Average Weight of Infested Coho (g)	# of Lice	Prevalence (%)	Abundance	Average Intensity
BS1	0	0	-	0	0.0	0.00	0.0
BS2	0	0	-	0	0.0	0.00	0.0
BS3	0	0	-	0	0.0	0.00	0.0
BS4	0	0	-	0	0.0	0.00	0.0
BS5	0	0	-	0	0.0	0.00	0.0
BS6	1	1	12.5	1	100.0	1.00	1.0
FC1	0	0	-	0	0.0	0.00	0.0
FC2	0	0	-	0	0.0	0.00	0.0
FC3	0	0	-	0	0.0	0.00	0.0
FC4	0	0	-	0	0.0	0.00	0.0
HI1	0	0	-	0	0.0	0.00	0.0
HI2	6	1	10.3	1	16.7	0.17	1.0
HI3	4	4	9.2	18	100.0	4.50	4.5
MC1	19	2	8.2	6	10.5	0.32	3.0
MC3	0	0	-	0	0.0	0.00	0.0
MC4	0	0	-	0	0.0	0.00	0.0
SD1	0	0	-	0	0.0	0.00	0.0
SI1	0	0	-	0	0.0	0.00	0.0
SI2	0	0	-	0	0.0	0.00	0.0
SI3	12	0	-	0	0.0	0.00	0.0
TOTAL	42	8	9.5	26	19.0	0.62	3.3

3.5 Infestation by Sea Lice Species

A total of 352 *Lepeophtheirus salmonis* sea lice of various life stages were identified on 147 juvenile salmon and 8 *Caligus clemensi* sea lice of various life stages were identified on eight juvenile salmon. Of the infested juvenile salmon four were found to be infested with at least one *L. salmonis* sea louse and one *C. clemensi* sea louse (Appendix III).

3.5.1 Infestation by Life Stage on Chum Salmon

An analysis of the species of sea lice identified on the 143 infested chum salmon is presented in Table 13. A total of 326 *Lepeophtheirus salmonis* sea lice of various life stages were identified on 139 juvenile chum salmon and eight *Caligus clemensi* sea lice of various life stages were found on eight chum salmon. Of the infested chum four were found to be infested with at least one *L. salmonis* and *C. clemensi* sea louse (Appendix III). The sea lice species identified on chum salmon are also presented by site in Table 14.

Table 13: The number of *Lepeophtheirus salmonis* and *Caligus clemensi* in each life stage identified on the chum salmon sample population from Clayoquot Sound, BC in 2023. LEP = *Lepeophtheirus salmonis* CAL= *Caligus clemensi*

Life Stage ¹	April 13/14	April 27/28	May 11/12	June 1/2
LEP Co	9	13	20	19
LEP C1	0	5	29	98
LEP C2	3	4	18	80
LEP NM No ID	0	0	0	0
LEP PAM	0	0	1	12
LEP PAF	0	2	0	4
LEP AM	0	0	2	6
LEP AF	0	0	0	1
TOTAL LEP	12	24	70	220
CAL Co	0	2	1	0
CAL C1	0	1	1	1
CAL C2	0	0	0	1
CAL C3	0	0	0	0
CAL C4	0	0	0	0
CAL NM No ID	0	0	0	0
CAL PAM	0	0	0	0
CAL PAF	0	1	0	0
CAL AM	0	0	0	0
CAL AF	0	0	0	0
TOTAL CAL	0	4	2	2

¹ Lice life stage codes: Co = copepodid, C1-4 = chalimus 1-4, PAM = pre-adult male, PAF = pre-adult female, AM = adult male, AF = adult female.

Table 14: The number of sea lice found on chum salmon collected in Clayoquot Sound, BC in 2023 summarized by sampling site. LEP = *Lepeophtheirus salmonis* CAL= *Caligus clemensi*

Site	Sample Period																TOTAL		
	April 13/14				April 27/28				May 11/12				June 1/2				# of Chum Analyzed	# of Infested Chum	# of Lice
	# of Chum Analyzed	# of Infested Chum	# of LEP	# of CAL	# of Chum Analyzed	# of Infested Chum	# of LEP	# of CAL	# of Chum Analyzed	# of Infested Chum	# of LEP	# of CAL	# of Chum Analyzed	# of Infested Chum	# of LEP	# of CAL			
BS1	-	-	-	-	15	4	3	2	15	11	20	1	-	-	-	-	30	15	26
BS2	15	3	4	0	-	-	-	-	9	5	5	1	15	12	35	1	39	20	46
BS3	1	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	1	0	0
BS4	1	0	0	0	5	1	1	0	15	2	2	0	15	9	26	1	36	12	30
BS5	15	2	2	0	15	0	0	0	15	1	1	0	15	0	0	0	60	3	3
BS6	1	0	0	0	15	6	8	1	14	8	16	0	15	13	52	0	45	27	77
FC1	15	5	6	0	15	3	3	0	6	3	5	0	15	14	43	0	51	25	57
FC2	-	-	-	-	15	2	4	0	-	-	-	-	-	-	-	-	15	2	4
FC3	15	0	0	0	15	1	1	0	15	6	11	0	15	15	55	0	60	22	67
FC4	-	-	-	-	-	-	-	-	-	-	-	-	5	3	6	0	5	3	6
HI1	15	0	0	0	15	0	0	0	17	0	0	0	-	-	-	-	47	0	0
HI2	1	0	0	0	15	1	1	0	-	-	-	-	-	-	-	-	16	1	1
HI3	1	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	1	0	0
MC1	4	0	0	0	1	0	0	0	15	1	1	0	1	0	0	0	21	1	1
MC3	-	-	-	-	15	2	3	1	1	0	0	0	-	-	-	-	16	2	4
MC4	-	-	-	-	1	0	0	0	8	0	0	0	1	1	2	0	10	1	2
SD1	2	0	0	0	15	0	0	0	15	1	1	0	1	0	0	0	33	1	1
SI1	-	-	-	-	7	0	0	0	15	6	7	0	1	0	0	0	23	6	7
SI2	15	0	0	0	15	0	0	0	5	1	1	0	4	1	1	0	39	2	2
SI3	-	-	-	-	3	0	0	0	9	0	0	0	-	-	-	-	12	0	0
Total	101	10	12	0	182	20	24	4	174	45	70	2	103	68	220	2	560	143	334

3.5.2 Infestation by Life Stage on Coho Salmon

An analysis of the species of sea lice identified on the eight infested coho salmon is presented in Table 15. A total of 26 *Lepeophtheirus salmonis* sea lice of various life stages were identified on eight juvenile coho salmon (Appendix III). Zero *Caligus clemensi* sea lice were found on the coho salmon sample population. The sea lice species identified on coho salmon are also presented by site in Table 16.

Table 13: The number of *Lepeophtheirus salmonis* and *Caligus clemensi* in each life stage identified on the coho salmon sample population from Clayoquot Sound, BC in 2023. LEP = *Lepeophtheirus salmonis* CAL= *Caligus clemensi*

Life Stage ¹	April 13/14	April 27/28	May 11/12	June 1/2
LEP Co	0	1	4	0
LEP C1	0	0	3	6
LEP C2	0	0	0	11
LEP NM No ID	0	0	0	0
LEP PAM	0	0	0	1
LEP PAF	0	0	0	0
LEP AM	0	0	0	0
LEP AF	0	0	0	0
TOTAL LEP	0	1	7	18
CAL Co	0	0	0	0
CAL C1	0	0	0	0
CAL C2	0	0	0	0
CAL C3	0	0	0	0
CAL C4	0	0	0	0
CAL NM No ID	0	0	0	0
CAL PAM	0	0	0	0
CAL PAF	0	0	0	0
CAL AM	0	0	0	0
CAL AF	0	0	0	0
TOTAL CAL	0	0	0	0

¹ Lice life stage codes: Co = copepodid, C1-4 = chalimus 1-4, PAM = pre-adult male, PAF = pre-adult female, AM = adult male, AF = adult female.

Table 14: The number of sea lice found on coho salmon collected in Clayoquot Sound, BC in 2023 summarized by sampling site. LEP = *Lepeophtheirus salmonis* CAL= *Caligus clemensi*

Site	Sample Period																TOTAL		
	April 13/14				April 27/28				May 11/12				June 1/2				# of Coho Analyzed	# of Infested Coho	# of Lice
	# of Coho Analyzed	# of Infested Coho	# of LEP	# of CAL	# of Coho Analyzed	# of Infested Coho	# of LEP	# of CAL	# of Coho Analyzed	# of Infested Coho	# of LEP	# of CAL	# of Coho Analyzed	# of Infested Coho	# of LEP	# of CAL			
BS1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
BS2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
BS3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
BS4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
BS5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
BS6	-	-	-	-	-	-	-	-	1	1	1	0	-	-	-	-	1	1	1
FC1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
FC2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
FC3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
FC4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
H11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
H12	-	-	-	-	4	1	1	0	-	-	-	-	2	0	0	0	6	1	1
H13	-	-	-	-	-	-	-	-	-	-	-	-	4	4	18	0	4	4	18
MC1	3	0	0	0	-	-	-	-	16	2	6	0	-	-	-	-	19	2	6
MC3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
MC4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
SD1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
SI1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
SI2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
SI3	1	0	0	0	11	0	0	0	-	-	-	-	-	-	-	-	12	0	0
Total	4	0	0	0	15	1	1	0	17	3	7	0	6	4	18	0	42	8	26

4.0 Conclusions

This report presents the data from the eighth year of beach seining and sea lice analysis conducted for wild juvenile salmonid in Clayoquot Sound, BC by Cermaq Canada. This report is limited to the summary and presentation of the 2023 collected data.

A total of 602 fish samples underwent lab analysis for sea lice infestation in 2023 including 560 chum and 42 coho. No chinook or pink salmon were retained during sampling and no sockeye or Atlantic salmon were captured during sampling completed in Clayoquot Sound, BC in 2023. A total of 151 individuals were found to be infested with sea lice in the total sample population, resulting in a calculated sea lice prevalence of 25.1 % in 2023. A total of 360 sea lice were found during laboratory analysis resulting in an abundance of 0.60 and an average intensity of 2.4 for the sample population.

Chum salmon smolts were captured in significantly greater numbers than any other species. A total of 2168 chum salmon were captured, representing 97.0 % of all captured salmonids. Of the 2168 chum captured, 560 were retained for lab analysis for sea lice infestation. A total of 143 chum smolts were found to be infested with a total of 334 sea lice resulting in a calculated prevalence of 25.5 %, abundance of 0.60 and an average intensity of 2.3 for the chum salmon sample population.

A total of 43 coho salmon were captured, representing 1.9 % of all captured salmonids. Of the 43 coho captured, 42 were retained for lab analysis for sea lice infestation. Eight coho smolts were found to be infested with 26 sea lice resulting in a calculated prevalence of 19.0 %, abundance of 0.62 and an average intensity of 3.3 for the coho salmon sample population.

A total of 352 *Lepeophtheirus salmonis* sea lice of various life stages were identified on 147 juvenile salmon and 8 *Caligus clemensi* sea lice of various life stages were identified on eight juvenile salmon (Appendix III).

A total of 326 *Lepeophtheirus salmonis* sea lice of various life stages were identified on 139 juvenile chum salmon and eight *Caligus clemensi* sea lice of various life stages were found on eight chum salmon. Of the infested chum four were found to be infested with at least one *L. salmonis* and *C. clemensi* sea louse.

A total of 26 *Lepeophtheirus salmonis* sea lice of various life stages were identified on eight juvenile coho salmon. Zero *Caligus clemensi* sea lice were found on the coho salmon sample population.

5.0 References

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Appendix I – Field Data

Date	Time	Site Name	Salinity (ppt)	Temperature (deg C.)	DO (mg/ L)	Salinity (ppt)	Temperature (deg C.)	DO (mg/ L)	Salinity (ppt)	Temperature (deg C.)	DO (mg/ L)
			0.2m	0.2m	0.2m	1.0m	1.0m	1.0m	5.0m	5.0m	5.0m
04-13-2023	13:45	BS1	22.1	9.5	12.4	22.2	9.0	11.5	22.3	9.0	11.1
04-13-2023	15:09	BS2	22.2	9.1	10.1	22.2	8.7	9.8	23.7	8.5	10.2
04-14-2023	09:20	BS3	20.7	7.5	10.8	21.5	8.5	10.7	21.9	8.8	10.5
04-14-2023	09:46	BS4	19.7	8.4	10.0	20.0	8.5	10.6	21.7	8.6	10.8
04-14-2023	10:13	BS5	15.5	8.0	11.1	22.5	8.6	10.7	22.8	8.6	10.0
04-14-2023	12:53	BS6	22.1	8.8	10.5	22.2	8.7	10.9	23.6	8.4	10.3
04-14-2023	11:21	FC2	19.5	9.5	10.3	21.5	9.5	10.4	21.8	8.8	11.1
04-14-2023	11:42	FC1	17.2	9.0	10.6	19.8	9.2	10.0	22.7	8.6	10.4
04-14-2023	10:54	FC4	17.3	8.5	10.0	21.3	8.9	9.9	21.4	8.9	9.7
04-14-2023	12:20	FC3	20.4	8.8	10.5	21.0	8.8	10.3	22.3	8.6	10.8
04-13-2023	13:00	HI1	7.5	8.8	11.3	21.2	9.1	10.4	24.2	9.1	11.8
04-13-2023	13:34	HI2	15.2	9.2	11.2	17.7	9.3	11.2	21.5	9.3	10.7
04-13-2023	14:05	HI3	17.2	9.7	11.4	15.5	9.6	11.7	24.1	8.8	12.2
04-13-2023	12:02	MC1	17.4	8.7	11.0	22.2	8.8	11.0	23.7	8.8	11.7
04-13-2023	09:00	MC3	19.3	8.8	11.2	19.6	8.8	11.3	23.5	8.8	11.2
04-13-2023	08:40	MC4	17.5	8.8	11.5	19.8	8.9	11.5	23.3	8.8	11.2
04-13-2023	09:52	SD1	18.7	8.0	11.5	20.3	8.5	11.1	20.6	8.5	11.0
04-13-2023	10:17	SI1	16.2	8.2	11.8	17.6	8.2	11.5	24.9	8.5	11.1
04-13-2023	10:43	SI2	13.4	7.2	11.7	13.4	7.1	11.7	24.1	8.5	10.3
04-13-2023	11:30	SI3	11.4	7.7	12.1	17.3	8.7	11.1	23.9	8.5	10.8
04-28-2023	08:02	BS1	20.9	9.7	11.0	21.7	9.6	10.2	22.5	9.5	8.9
04-27-2023	15:03	BS2	22.0	10.5	11.0	22.0	10.4	10.7	23.2	8.9	10.9
04-28-2023	08:35	BS3	19.0	10.1	10.4	19.7	10.1	10.7	22.1	9.4	10.2
04-28-2023	09:06	BS4	17.7	9.4	9.9	18.1	9.5	10.6	22.3	9.0	10.3
04-28-2023	09:32	BS5	15.4	9.4	10.6	17.8	9.4	10.0	22.2	8.9	9.5
04-28-2023	12:06	BS6	18.5	10.7	10.3	18.9	10.5	10.6	22.3	9.1	10.0
04-28-2023	10:45	FC2	16.2	12.0	12.2	16.4	11.5	12.1	19.6	9.3	11.9
04-28-2023	11:10	FC1	14.3	10.6	11.4	17.3	11.1	10.6	21.8	8.9	9.5
04-28-2023	10:18	FC4	7.6	9.1	12.3	16.6	10.3	11.7	21.5	9.3	10.3
04-28-2023	11:36	FC3	12.8	10.7	12.7	14.5	10.2	12.0	22.1	9.0	10.0
04-27-2023	13:13	HI1	5.7	11.1	11.9	17.2	11.3	11.2	23.8	9.2	11.9
04-27-2023	13:54	HI2	18.2	11.6	11.2	19.1	11.3	10.8	24.6	8.9	10.1
04-27-2023	14:28	HI3	21.0	12.0	11.8	21.4	11.2	11.8	23.8	9.1	12.2
04-27-2023	12:39	MC1	14.4	11.3	10.9	16.3	11.4	11.4	23.9	8.7	11.0
04-27-2023	09:29	MC3	17.3	10.4	10.8	17.5	10.4	10.5	23.7	8.8	9.7
04-27-2023	09:05	MC4	19.2	10.3	10.4	19.4	10.0	10.5	23.8	8.7	10.6
04-27-2023	10:34	SD1	13.7	10.0	11.0	23.4	9.0	10.7	24.5	8.7	10.5
04-27-2023	11:02	SI1	16.7	10.3	11.3	18.9	10.2	11.0	24.3	8.7	11.4

Date	Time	Site Name	Salinity (ppt)	Temperature (deg C.)	DO (mg/ L)	Salinity (ppt)	Temperature (deg C.)	DO (mg/ L)	Salinity (ppt)	Temperature (deg C.)	DO (mg/ L)
			0.2m	0.2m	0.2m	1.0m	1.0m	1.0m	5.0m	5.0m	5.0m
04-27-2023	11:25	SI2	15.3	9.8	10.9	15.5	9.6	10.7	23.9	8.8	10.1
04-27-2023	12:13	SI3	12.0	9.9	12.7	17.1	9.7	11.7	24.1	8.7	11.0
05-12-2023	09:02	BS1	19.3	8.3	9.7	20.1	8.4	9.5	20.1	8.4	9.5
05-11-2023	15:34	BS2	8.2	7.5	11.3	8.3	7.4	11.1	8.3	7.4	11.1
05-12-2023	09:24	BS3	24.6	10.0	9.3	24.7	9.9	9.3	24.7	9.9	9.3
05-12-2023	09:47	BS4	22.7	9.7	9.6	22.6	9.6	9.7	22.6	9.6	9.7
05-12-2023	10:34	BS5	21.4	9.9	9.7	21.4	9.9	9.8	21.4	9.9	9.8
05-12-2023	12:49	BS6	14.7	8.7	10.5	22.5	9.5	9.2	22.5	9.5	9.2
05-12-2023	11:31	FC2	19.7	9.8	10.5	21.9	9.6	9.8	21.9	9.6	9.8
05-12-2023	11:53	FC1	19.5	9.9	10.1	20.3	10.0	10.1	20.3	10.0	10.1
05-12-2023	11:13	FC4	20.6	10.1	10.4	25.7	10.0	11.0	25.7	10.0	11.0
05-12-2023	12:17	FC3	25.2	9.8	9.9	26.1	9.8	9.9	26.1	9.8	9.9
05-11-2023	14:01	HI1	20.7	9.7	9.8	24.4	10.0	9.6	24.4	10.0	9.6
05-11-2023	14:31	HI2	20.0	9.1	9.5	21.2	9.2	9.8	21.2	9.2	9.8
05-11-2023	15:00	HI3	23.1	9.6	9.7	24.0	9.7	9.8	24.0	9.7	9.8
05-11-2023	12:17	MC1	19.5	9.3	9.0	18.4	9.2	10.5	18.4	9.2	10.5
05-11-2023	09:08	MC3	25.0	9.5	9.7	24.9	9.5	9.6	24.9	9.5	9.6
05-11-2023	08:46	MC4	15.9	8.5	10.0	18.4	8.7	10.1	18.4	8.7	10.1
05-11-2023	09:55	SD1	3.5	7.4	11.0	4.6	7.4	10.8	4.6	7.4	10.8
05-11-2023	10:29	SI1	23.7	12.4	10.1	24.9	11.4	9.8	24.9	11.4	9.8
05-11-2023	11:03	SI2	26.1	10.6	9.5	26.4	10.3	9.3	26.4	10.3	9.3
05-11-2023	11:33	SI3	19.5	9.4	9.9	19.9	9.5	9.9	19.9	9.5	9.9
05-12-2023	09:02	BS1	15.0	10.6	9.6	23.2	10.6	9.6	23.6	10.5	9.5
05-11-2023	15:34	BS2	23.3	11.1	10.6	23.3	10.8	10.3	24.1	10.4	10.8
05-12-2023	09:24	BS3	22.2	10.9	10.0	22.2	10.9	10.4	22.4	10.8	10.0
05-12-2023	09:47	BS4	16.4	11.7	9.3	20.9	11.5	9.9	22.6	10.1	11.7
05-12-2023	10:34	BS5	11.9	11.4	10.6	20.9	11.2	10.6	22.6	9.7	10.9
05-12-2023	12:49	BS6	22.1	11.2	10.3	22.6	10.7	10.4	23.0	10.3	10.7
05-12-2023	11:31	FC2	21.1	12.0	10.4	21.0	12.0	10.9	22.0	10.2	10.8
05-12-2023	11:53	FC1	20.4	12.9	10.8	21.3	11.2	10.8	22.1	10.2	11.0
05-12-2023	11:13	FC4	14.7	12.7	10.6	19.9	11.5	10.9	22.1	10.2	11.0
05-12-2023	12:17	FC3	22.1	10.9	10.6	22.0	11.0	10.4	22.4	10.3	10.1
05-11-2023	14:01	HI1	11.1	15.5	9.5	17.3	14.2	10.1	22.3	11.8	11.7
05-11-2023	14:31	HI2	20.1	13.8	10.1	20.2	13.8	10.5	23.9	10.4	12.6
05-11-2023	15:00	HI3	21.3	13.2	11.5	22.0	11.9	11.5	23.4	11.5	12.7
05-11-2023	12:17	MC1	18.3	13.2	10.4	20.2	13.3	10.3	24.1	10.0	11.7
05-11-2023	09:08	MC3	20.5	12.3	10.3	20.6	12.4	10.4	23.7	10.5	12.3
05-11-2023	08:46	MC4	20.8	12.0	10.6	21.3	12.1	10.7	23.8	10.4	14.0
05-11-2023	09:55	SD1	20.2	13.6	9.4	20.9	13.3	9.8	24.4	10.2	11.0
05-11-2023	10:29	SI1	21.6	12.6	10.5	22.2	11.6	10.5	24.3	10.2	11.0
05-11-2023	11:03	SI2	19.5	11.6	11.0	19.9	11.5	11.0	23.1	11.1	11.2

Date	Time	Site Name	Salinity (ppt)	Temperature (deg C.)	DO (mg/ L)	Salinity (ppt)	Temperature (deg C.)	DO (mg/ L)	Salinity (ppt)	Temperature (deg C.)	DO (mg/ L)
			0.2m	0.2m	0.2m	1.0m	1.0m	1.0m	5.0m	5.0m	5.0m
05-11-2023	11:33	SI3	14.1	12.3	10.2	22.4	11.3	10.9	23.4	10.4	12.3
06-1-2023	14:47	BS1	23.8	12.5	9.8	23.8	12.5	10.2	23.8	12.5	9.5
06-1-2023	15:12	BS2	23.5	12.8	8.9	23.6	12.7	9.0	23.8	12.1	9.5
06-02-2023	8:11	BS3	22.8	12.8	8.3	23.7	12.3	9.5	23.8	11.9	9.4
06-02-2023	8:40	BS4	18.2	12.7	8.5	22.0	12.9	8.6	23.0	12.0	9.7
06-02-2023	9:27	BS5	20.6	13.0	8.5	21.0	13.0	8.8	22.0	12.1	9.3
06-02-2023	12:01	BS6	20.5	13.6	8.5	20.7	13.7	8.7	23.5	12.2	8.7
06-02-2023	10:35	FC2	22.5	12.5	9.0	22.5	12.3	8.8	23.0	11.7	8.6
06-02-2023	10:58	FC1	22.3	13.1	9.0	22.5	12.7	8.9	22.7	12.1	8.7
06-02-2023	10:10	FC4	22.5	13.1	9.6	22.5	13.1	9.2	22.8	12.7	9.6
06-02-2023	11:33	FC3	24.0	11.8	9.1	24.0	11.8	8.5	24.0	11.8	8.3
06-1-2023	12:43	HI1	9.2	15.1	8.7	21.1	15.9	8.8	24.5	10.9	10.6
06-1-2023	13:21	HI2	16.8	16.1	7.9	20.3	16.0	8.2	24.4	12.0	10.9
06-1-2023	13:49	HI3	22.4	15.2	8.4	23.5	14.2	9.0	24.9	11.1	10.1
06-1-2023	9:13	MC1	22.8	13.6	8.3	22.9	13.9	8.4	24.6	12.0	9.5
06-1-2023	8:52	MC3	21.8	14.4	8.4	22.3	14.4	8.5	24.7	11.8	10.1
06-1-2023	8:32	MC4	21.8	13.8	17.7	22.1	14.2	9.3	24.7	11.8	9.8
06-1-2023	11:19	SD1	23.7	14.5	8.7	23.7	14.5	8.6	23.7	14.3	8.5
06-1-2023	10:50	SI1	23.1	13.2	8.9	23.7	12.6	8.8	25.7	10.2	8.5
06-1-2023	10:19	SI2	23.9	12.7	9.2	24.2	12.3	8.9	24.7	11.5	10.0
06-1-2023	9:45	SI3	20.4	14.9	8.4	20.6	14.6	8.6	25.4	10.6	10.6

Appendix II – Capture and Collection Sample Totals

Date	Time	Site Name	Tide Stage	Pink Captured	Pink Retained	Chum Captured	Chum Retained	Coho Captured	Coho Retained	Chinook Captured	Chinook Retained	Sockeye Captured	Sockeye Retained	Salmonid Mortalities	Weather Comments	Comments
04-13-2023	13:45	BS1	Low	0	0	0	0	0	0	0	0	0	0	0	Cloudy, sun, calm	10 pipefish, abundant flatfish, 1 juvenile lingcod, 3 juvenile rockfish
04-13-2023	15:09	BS2	Low	0	0	105	15	0	0	0	0	0	0	0	Cloudy, sun, calm	2 pipefish, abundant jellyfish
04-14-2023	09:20	BS3	High	0	0	1	1	0	0	0	0	0	0	0	Calm, sunnny	2 sculpins
04-14-2023	09:46	BS4	High	0	0	1	1	0	0	0	0	0	0	0	Calm, sunnny	No bycatch
04-14-2023	10:13	BS5	High	0	0	65	15	0	0	0	0	0	0	1	Calm, sunnny	No bycatch
04-14-2023	12:53	BS6	Mid	0	0	1	1	0	0	0	0	0	0	0	Cloudy, sun, calm	2 sculpins
04-14-2023	11:21	FC2	High	0	0	0	0	0	0	0	0	0	0	0	Cloudy, sun, calm	1 worm
04-14-2023	11:42	FC1	High	0	0	110	15	0	0	0	0	0	0	0	Cloudy, sun, calm	2 gunnel, 20 flatfish, 2 pipefish
04-14-2023	10:54	FC4	High	0	0	0	0	0	0	0	0	0	0	0	Cloudy, sun, calm	1 juvenile lingcod, 1 gunnel, 2 sculpins, 1 shiner perch
04-14-2023	12:20	FC3	Mid	0	0	55	15	0	0	0	0	0	0	0	Cloudy, sun, calm	1 shiner perch, 1 red rock crab, 2 pipefish
04-13-2023	13:00	HI1	Low	1	0	20	15	0	0	1	0	0	0	0	Calm, overcast	1 sea cucumber, 2 sculpins
04-13-2023	13:34	HI2	Low	0	0	1	1	0	0	2	0	0	0	0	Calm, overcast	1 sea cucumber, abundant jellyfish
04-13-2023	14:05	HI3	Low	0	0	1	1	0	0	0	0	0	0	0	Cloudy, sun, calm	1 pipefish, 1 juv ling, 1 leather star
04-13-2023	12:02	MC1	Mid	0	0	4	4	3	3	0	0	0	0	0	Calm, overcast	1 pipefish, 2 juvenile lingcod
04-13-2023	09:00	MC3	High	0	0	0	0	0	0	0	0	0	0	0	Calm, overcast	3 tubesnouts, 4 pipefish, abundant kelp clingfish
04-13-2023	08:40	MC4	High	0	0	0	0	0	0	0	0	0	0	0	Calm, overcast	8 flatfish, 7 sculpins, 1 pipefish
04-13-2023	09:52	SD1	High	0	0	2	2	0	0	0	0	0	0	0	Calm, overcast	Abundant kelp clingfish, 2 tubesnouts
04-13-2023	10:17	SI1	Mid	0	0	0	0	0	0	0	0	0	0	0	Calm, overcast	2 sculpins, 1 three spine stickleback, 2 pipefish, 6 kelp clingfish
04-13-2023	10:43	SI2	Mid	0	0	31	15	0	0	0	0	0	0	0	Calm, overcast	5 flatfish, 7 sculpins, 15 shrimp, 1 green crab
04-13-2023	11:30	SI3	Mid	0	0	0	0	1	1	0	0	0	0	0	Calm, overcast	1 green crab, abundant juvenile shrimp
04-28-2023	08:02	BS1	High	0	0	57	15	0	0	0	0	0	0	0	Calm, sunny	5 sculpins, 23 flatfish
04-27-2023	15:03	BS2	Low	0	0	0	0	0	0	0	0	0	0	0	Calm, sunny	7 sand lances, 1 shiner perch, 4 sculpins
04-28-2023	08:35	BS3	High	0	0	0	0	0	0	0	0	0	0	0	Calm, sunny	7 flatfish, 5 jellyfish
04-28-2023	09:06	BS4	High	0	0	5	5	0	0	0	0	0	0	0	Calm, sunny	1 sand lance, 4 flatfish
04-28-2023	09:32	BS5	High	0	0	37	15	0	0	0	0	0	0	0	Calm, sunny	No bycatch
04-28-2023	12:06	BS6	Low	0	0	280	15	0	0	0	0	0	0	0	Calm, sunny	3 shiner perch, 7 sculpins
04-28-2023	10:45	FC2	Mid	0	0	15	15	0	0	0	0	0	0	0	Calm, sunny	2 flatfish, 2 sculpins
04-28-2023	11:10	FC1	Mid	0	0	20	15	0	0	0	0	0	0	0	Calm, sunny	5 pipefish, 2 gunnels, 2 red rock crab, 7 sculpins
04-28-2023	10:18	FC4	Mid	0	0	0	0	0	0	0	0	0	0	0	Calm, sunny	2 pipefish, 1 shiner perch, 2 sculpins
04-28-2023	11:36	FC3	Mid	0	0	34	15	0	0	0	0	0	0	0	Calm, sunny	3 gunnels, 7 flatfish, 7 pipefish
04-27-2023	13:13	HI1	Low	0	0	37	15	0	0	0	0	0	0	0	Calm, sunny	4 California sea cucumbers, 10 flatfish, abundant jellyfish
04-27-2023	13:54	HI2	Low	0	0	41	15	4	4	0	0	0	0	0	Calm, sunny	1 California sea cucumber
04-27-2023	14:28	HI3	Low	0	0	0	0	0	0	0	0	0	0	0	Calm, sunny	1 pipefish, 1 juvenile lingcod
04-27-2023	12:39	MC1	Low	0	0	1	1	0	0	0	0	0	0	0	Calm, sunny	1 leather star, 3 pipefish
04-27-2023	09:29	MC3	Mid	0	0	186	15	0	0	0	0	0	0	0	Calm, sunny	Abundant juvenile shrimp, 3 sculpins, 1 gunnel, 30 shiner perch
04-27-2023	09:05	MC4	Mid	0	0	1	1	0	0	0	0	0	0	0	Calm, sunny	4 flatfish, 1 sand lance, 1 pipefish
04-27-2023	10:34	SD1	Mid	0	0	16	15	0	0	0	0	0	0	0	Calm, sunny	8 rainbow perch
04-27-2023	11:02	SI1	Mid	0	0	7	7	0	0	0	0	0	0	0	Slight chop, sun	No bycatch
04-27-2023	11:25	SI2	Low	0	0	63	15	0	0	0	0	0	0	0	Calm, sunny	3 green crab, 2 California sea cucumbers, 30 flatfish
04-27-2023	12:13	SI3	Low	0	0	3	3	11	11	1	0	0	0	0	Calm, sunny	Abundant flatfish, 1 red rock crab, 10 sculpins

Date	Time	Site Name	Tide Stage	Pink Captured	Pink Retained	Chum Captured	Chum Retained	Coho Captured	Coho Retained	Chinook Captured	Chinook Retained	Sockeye Captured	Sockeye Retained	Salmonid Mortalities	Weather Comments	Comments
05-12-2023	09:02	BS1	High	0	0	16	15	0	0	0	0	0	0	0	Slight swell, sun	4 flatfish, 2 sculpins, 1 sand lance
05-11-2023	15:34	BS2	Mid	0	0	9	9	0	0	0	0	0	0	0	Calm, sun, cloud	No bycatch
05-12-2023	09:24	BS3	High	0	0	0	0	0	0	0	0	0	0	0	Calm, sun, cloud	3 green crab
05-12-2023	09:47	BS4	Mid	0	0	66	15	0	0	0	0	0	0	0	Calm, sun	3 pipefish, 1 kelp greenling
05-12-2023	10:34	BS5	Mid	0	0	73	15	0	0	0	0	0	0	0	Calm, sun	1 green crab, 2 pipefish, 5 sculpins
05-12-2023	12:49	BS6	Low	0	0	24	14	1	1	0	0	0	0	0	Calm, sun	3 gunnels, 20 jellyfish, 8 sculpins
05-12-2023	11:31	FC2	Low	0	0	0	0	0	0	0	0	0	0	0	Calm, sun	10 pipefish, 1 green crab, 6 gunnels, 4 sculpins, 1 striped perch, 1 kelp crab
05-12-2023	11:53	FC1	Low	0	0	6	6	0	0	0	0	0	0	0	Calm, sun	12 flatfish, 6 kelp crab, 4 shiner perch, 12 sculpins
05-12-2023	11:13	FC4	Mid	0	0	0	0	0	0	0	0	0	0	0	Calm, sun	2 juvenile lingcod, 2 sculpins, 2 pipefish, 5 salmon observed in deeper water
05-12-2023	12:17	FC3	Low	0	0	38	15	0	0	0	0	0	0	0	Calm, sun	1 green crab, 3 red rock crabs, 11 sculpins, 10 flatfish, 5 juvenile lingcod, 4 kelp greenlings
05-11-2023	14:01	HI1	Mid	0	0	0	0	0	0	0	0	0	0	0	Slight chop, sun, cloud	2 pipefish, 3 sculpins
05-11-2023	14:31	HI2	Mid	0	0	75	17	0	0	0	0	0	0	0	Calm, sun, cloud	1 sculpin
05-11-2023	15:00	HI3	Mid	0	0	0	0	0	0	0	0	0	0	0	Calm, sun, cloud	2 juvenile lingcod
05-11-2023	12:17	MC1	Low	0	0	31	15	17	16	0	0	0	0	0	Choppy, overcast	1 green crab, 2 pipefish
05-11-2023	09:08	MC3	Mid	0	0	1	1	0	0	0	0	0	0	0	Calm, overcast	2 striped perch, 3 pile perch, 40 shiner perch, 3 kelp greenlings, 2 rockfish, 7 pipefish
05-11-2023	08:46	MC4	High	0	0	8	8	0	0	0	0	0	0	0	Calm, overcast	1 pipefish, 2 sand lances, 8 flatfish
05-11-2023	09:55	SD1	Mid	0	0	16	15	0	0	0	0	0	0	0	Calm, overcast	2 shiner perch
05-11-2023	10:29	SI1	Mid	0	0	365	15	0	0	0	0	0	0	0	Calm, overcast	1 green crab
05-11-2023	11:03	SI2	Low	0	0	5	5	0	0	0	0	0	0	0	Calm, overcast	1 green crab, 7 California sea cucumbers, 1 gunnel, 5 flatfish, 3 pipefish, 5 sculpins
05-11-2023	11:33	SI3	Low	0	0	9	9	0	0	1	0	0	0	0	Calm, overcast	2 pipefish, 1 crab, 7 flatfish
06-1-2023	14:47	BS1	High	0	0	0	0	0	0	0	0	0	0	0	clear, sun	1 sculpin, 2 flatfish
06-1-2023	15:12	BS2	High	0	0	26	15	0	0	0	0	0	0	0	sun, calm	5 gunnels, 5 rockfish, 3 sculpins
06-02-2023	8:11	BS3	Low	0	0	0	0	0	0	0	0	0	0	0	clear, sun	2 sculpin, 1 flatfish, fish observed jumping deeper off beach
06-02-2023	8:40	BS4	Low	0	0	92	15	0	0	0	0	0	0	0	clear, sun	15 sculpin, 5 flatfish, 10 gunnels
06-02-2023	9:27	BS5	Mid	0	0	20	15	0	0	0	0	0	0	0	calm, sun	2 sculpins
06-02-2023	12:01	BS6	high	0	0	35	15	0	0	0	0	0	0	0	calm, sun	3 sculpins, 1 gunnel
06-02-2023	10:35	FC2	Mid	0	0	0	0	0	0	0	0	0	0	0	calm, sun	21 shiner perch, 1 pile perch, 1 gunnel, 1 fried egg jellyfish
06-02-2023	10:58	FC1	High	0	0	25	15	0	0	0	0	0	0	0	calm, sun	15 sculpins, 20 small flatfish, 3 crabs, 10 gunnels, 1 pipefish
06-02-2023	10:10	FC4	Mid	0	0	5	5	0	0	0	0	0	0	0	calm, sun	3 sculpins, 1 pipefish, 1 gunnel
06-02-2023	11:33	FC3	High	0	0	15	15	0	0	0	0	0	0	0	calm, sun, clear	2 gunnels, 3 sculpins
06-1-2023	12:43	HI1	High	0	0	0	0	0	0	0	0	0	0	0	clear, windy	No bycatch
06-1-2023	13:21	HI2	High	0	0	0	0	2	2	0	0	0	0	0	clear,sun	No bycatch
06-1-2023	13:49	HI3	High	0	0	0	0	4	4	4	0	0	0	0	clear,sun	1 gunnel, 1 sculpin
06-1-2023	9:13	MC1	Mid	0	0	1	1	0	0	0	0	0	0	0	clear, sun	1 pileperch, 5 juvenile lingcod, 3 kelp perch, 1 leather starfish
06-1-2023	8:52	MC3	Mid	0	0	0	0	0	0	0	0	0	0	0	Clear, sun	100 shiner perch, 25 rockfish, 2 kelp greenling, 1 lincod, 12 pipefish
06-1-2023	8:32	MC4	Low	0	0	1	1	0	0	0	0	0	0	0	Clear, sun	12 gunnels, 1 perch, 2 sculpins, 7 flatfish
06-1-2023	11:19	SD1	High	0	0	1	1	0	0	0	0	0	0	0	clear,sun	No bycatch
06-1-2023	10:50	SI1	Mid	0	0	1	1	0	0	0	0	0	0	0	clear, sun	3 flatfish, 1 gunnel
06-1-2023	10:19	SI2	Mid	0	0	4	4	0	0	0	0	0	0	0	clear, sun	25 flatfish, 1 kelp greenling, 2 sculpins
06-1-2023	9:45	SI3	Mid	0	0	0	0	0	0	15	0	0	0	0	clear, sun	1 gunnel, 2 sculpins

Appendix III – Sea Lice Analysis

SITE	DATE COLLECTED	FISH SPECIES	LENGTH IN MM	WEIGHT IN G	LEP Co	LEP C1	LEP C2	LEP NM NOT ID	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP MOT NOT ID	CAL Co	CAL C1	CAL C2	CAL C3	CAL C4	CAL NM NOT ID	CAL PAM	CAL_PAF	CAL AM	CAL AF	CAL MOT NOT ID	TOT LICE ID
BS1	28-Apr-23	Chum	42	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS1	28-Apr-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS1	28-Apr-23	Chum	35	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS1	28-Apr-23	Chum	48	1.2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
BS1	28-Apr-23	Chum	40	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS1	28-Apr-23	Chum	39	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS1	28-Apr-23	Chum	35	0.4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
BS1	28-Apr-23	Chum	36	0.6	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS1	28-Apr-23	Chum	36	0.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS1	28-Apr-23	Chum	35	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS1	28-Apr-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS1	28-Apr-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS1	28-Apr-23	Chum	35	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS1	28-Apr-23	Chum	35	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS1	28-Apr-23	Chum	40	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS1	12-May-23	Chum	45	0.9	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS1	12-May-23	Chum	49	1.1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS1	12-May-23	Chum	47	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS1	12-May-23	Chum	43	0.9	1	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	4
BS1	12-May-23	Chum	49	1.3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS1	12-May-23	Chum	40	0.7	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS1	12-May-23	Chum	50	1.6	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
BS1	12-May-23	Chum	45	1.1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS1	12-May-23	Chum	43	1.0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS1	12-May-23	Chum	43	0.7	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS1	12-May-23	Chum	46	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS1	12-May-23	Chum	47	1.1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS1	12-May-23	Chum	45	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS1	12-May-23	Chum	37	0.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS1	12-May-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	13-Apr-23	Chum	43	0.9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS2	13-Apr-23	Chum	45	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	13-Apr-23	Chum	37	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	13-Apr-23	Chum	36	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	13-Apr-23	Chum	38	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	13-Apr-23	Chum	42	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	13-Apr-23	Chum	52	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	13-Apr-23	Chum	40	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SITE	DATE COLLECTED	FISH SPECIES	LENGTH IN MM	WEIGHT IN G	LEP Co	LEP C1	LEP C2	LEP NM NOT ID	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP MOT NOT ID	CAL Co	CAL C1	CAL C2	CAL C3	CAL C4	CAL NM NOT ID	CAL PAM	CAL_PAF	CAL AM	CAL AF	CAL MOT NOT ID	TOT LICE ID
BS2	13-Apr-23	Chum	52	1.7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS2	13-Apr-23	Chum	39	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	13-Apr-23	Chum	41	0.8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS2	13-Apr-23	Chum	40	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	13-Apr-23	Chum	36	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	13-Apr-23	Chum	43	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	13-Apr-23	Chum	35	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	01-Jun-23	Chum	52	1.8	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS2	01-Jun-23	Chum	67	3.3	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS2	01-Jun-23	Chum	65	3.1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS2	01-Jun-23	Chum	62	2.8	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS2	01-Jun-23	Chum	63	3.3	0	1	2	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	7
BS2	01-Jun-23	Chum	61	2.8	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
BS2	01-Jun-23	Chum	65	3.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS2	01-Jun-23	Chum	69	3.7	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
BS2	01-Jun-23	Chum	53	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	01-Jun-23	Chum	68	3.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	01-Jun-23	Chum	66	3.6	0	3	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	6
BS2	01-Jun-23	Chum	67	3.6	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS2	01-Jun-23	Chum	51	1.7	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
BS2	01-Jun-23	Chum	68	3.8	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
BS2	01-Jun-23	Chum	67	3.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	02-Jun-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	02-Jun-23	Chum	40	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	02-Jun-23	Chum	39	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	02-Jun-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	02-Jun-23	Chum	35	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	02-Jun-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	02-Jun-23	Chum	40	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	02-Jun-23	Chum	40	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	02-Jun-23	Chum	38	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	02-Jun-23	Chum	40	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	02-Jun-23	Chum	37	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	02-Jun-23	Chum	40	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	02-Jun-23	Chum	44	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	02-Jun-23	Chum	38	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	02-Jun-23	Chum	39	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	11-May-23	Chum	47	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	11-May-23	Chum	49	1.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	11-May-23	Chum	48	1.3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS2	11-May-23	Chum	39	0.8	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

SITE	DATE COLLECTED	FISH SPECIES	LENGTH IN MM	WEIGHT IN G	LEP Co	LEP C1	LEP C2	LEP NM NOT ID	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP MOT NOT ID	CAL Co	CAL C1	CAL C2	CAL C3	CAL C4	CAL NM NOT ID	CAL PAM	CAL_PAF	CAL AM	CAL AF	CAL MOT NOT ID	TOT LICE ID	
BS2	11-May-23	Chum	46	1.0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
BS2	11-May-23	Chum	54	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	11-May-23	Chum	49	1.3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
BS2	11-May-23	Chum	44	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS2	11-May-23	Chum	49	1.5	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS3	14-Apr-23	Chum	39	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	28-Apr-23	Chum	35	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	28-Apr-23	Chum	34	0.4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS4	28-Apr-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	28-Apr-23	Chum	35	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	28-Apr-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	14-Apr-23	Chum	37	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	02-Jun-23	Chum	39	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	02-Jun-23	Chum	36	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	02-Jun-23	Chum	38	0.7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS4	02-Jun-23	Chum	38	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	02-Jun-23	Chum	53	1.5	0	10	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	13
BS4	02-Jun-23	Chum	54	1.8	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS4	02-Jun-23	Chum	45	1.0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS4	02-Jun-23	Chum	48	1.3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS4	02-Jun-23	Chum	54	1.8	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
BS4	02-Jun-23	Chum	38	0.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS4	02-Jun-23	Chum	38	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	02-Jun-23	Chum	40	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	02-Jun-23	Chum	39	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	02-Jun-23	Chum	50	1.5	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS4	02-Jun-23	Chum	47	0.3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS4	12-May-23	Chum	38	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	12-May-23	Chum	34	0.4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS4	12-May-23	Chum	37	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	12-May-23	Chum	35	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	12-May-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	12-May-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	12-May-23	Chum	39	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	12-May-23	Chum	34	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	12-May-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	12-May-23	Chum	36	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	12-May-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	12-May-23	Chum	38	0.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS4	12-May-23	Chum	37	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS4	12-May-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SITE	DATE COLLECTED	FISH SPECIES	LENGTH IN MM	WEIGHT IN G	LEP Co	LEP C1	LEP C2	LEP NM NOT ID	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP MOT NOT ID	CAL Co	CAL C1	CAL C2	CAL C3	CAL C4	CAL NM NOT ID	CAL PAM	CAL_PAF	CAL AM	CAL AF	CAL MOT NOT ID	TOT LICE ID
BS4	12-May-23	Chum	38	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	14-Apr-23	Chum	32	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	14-Apr-23	Chum	37	0.7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS5	14-Apr-23	Chum	35	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	14-Apr-23	Chum	33	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	14-Apr-23	Chum	34	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	14-Apr-23	Chum	36	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	14-Apr-23	Chum	35	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	14-Apr-23	Chum	34	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	14-Apr-23	Chum	34	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	14-Apr-23	Chum	34	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	14-Apr-23	Chum	35	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	14-Apr-23	Chum	37	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	14-Apr-23	Chum	36	0.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS5	14-Apr-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	14-Apr-23	Chum	34	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	28-Apr-23	Chum	33	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	28-Apr-23	Chum	33	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	28-Apr-23	Chum	34	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	28-Apr-23	Chum	37	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	28-Apr-23	Chum	35	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	28-Apr-23	Chum	34	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	28-Apr-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	28-Apr-23	Chum	34	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	28-Apr-23	Chum	33	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	28-Apr-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	28-Apr-23	Chum	33	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	28-Apr-23	Chum	31	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	28-Apr-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	28-Apr-23	Chum	39	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	28-Apr-23	Chum	34	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	12-May-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	12-May-23	Chum	37	0.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS5	12-May-23	Chum	36	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	12-May-23	Chum	38	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	12-May-23	Chum	37	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	12-May-23	Chum	35	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	12-May-23	Chum	36	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	12-May-23	Chum	35	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	12-May-23	Chum	38	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	12-May-23	Chum	35	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SITE	DATE COLLECTED	FISH SPECIES	LENGTH IN MM	WEIGHT IN G	LEP Co	LEP C1	LEP C2	LEP NM NOT ID	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP MOT NOT ID	CAL Co	CAL C1	CAL C2	CAL C3	CAL C4	CAL NM NOT ID	CAL PAM	CAL_PAF	CAL AM	CAL AF	CAL MOT NOT ID	TOT LICE ID
BS5	12-May-23	Chum	38	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	12-May-23	Chum	35	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	12-May-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	12-May-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS5	12-May-23	Chum	36	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS6	14-Apr-23	Chum	33	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS6	28-Apr-23	Chum	44	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS6	28-Apr-23	Chum	46	1.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS6	28-Apr-23	Chum	40	0.7	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS6	28-Apr-23	Chum	44	0.9	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS6	28-Apr-23	Chum	39	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS6	28-Apr-23	Chum	40	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS6	28-Apr-23	Chum	39	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS6	28-Apr-23	Chum	37	0.6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS6	28-Apr-23	Chum	41	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS6	28-Apr-23	Chum	42	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS6	28-Apr-23	Chum	50	1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS6	28-Apr-23	Chum	50	1.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
BS6	28-Apr-23	Chum	46	1.1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS6	28-Apr-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS6	28-Apr-23	Chum	45	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS6	02-Jun-23	Chum	49	1.5	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS6	02-Jun-23	Chum	51	1.5	0	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
BS6	02-Jun-23	Chum	45	1.0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS6	02-Jun-23	Chum	48	1.3	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS6	02-Jun-23	Chum	47	1.3	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS6	02-Jun-23	Chum	48	1.2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS6	02-Jun-23	Chum	50	1.4	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
BS6	02-Jun-23	Chum	49	1.5	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
BS6	02-Jun-23	Chum	50	1.5	0	2	4	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
BS6	02-Jun-23	Chum	54	1.8	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS6	02-Jun-23	Chum	39	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS6	02-Jun-23	Chum	48	1.3	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
BS6	02-Jun-23	Chum	48	1.3	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS6	02-Jun-23	Chum	51	1.4	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
BS6	02-Jun-23	Chum	40	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS6	12-May-23	Coho	98	12.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS6	12-May-23	Chum	43	0.8	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
BS6	12-May-23	Chum	51	1.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BS6	12-May-23	Chum	43	0.9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS6	12-May-23	Chum	56	2.1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

SITE	DATE COLLECTED	FISH SPECIES	LENGTH IN MM	WEIGHT IN G	LEP Co	LEP C1	LEP C2	LEP NM NOT ID	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP MOT NOT ID	CAL Co	CAL C1	CAL C2	CAL C3	CAL C4	CAL NM NOT ID	CAL PAM	CAL_PAF	CAL AM	CAL AF	CAL MOT NOT ID	TOT LICE ID
BS6	12-May-23	Chum	37	0.6	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS6	12-May-23	Chum	51	1.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS6	12-May-23	Chum	42	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS6	12-May-23	Chum	61	2.5	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
BS6	12-May-23	Chum	53	1.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS6	12-May-23	Chum	42	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS6	12-May-23	Chum	47	1.2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BS6	12-May-23	Chum	49	1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS6	12-May-23	Chum	55	2.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BS6	12-May-23	Chum	51	1.6	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FC1	28-Apr-23	Chum	37	0.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FC1	28-Apr-23	Chum	65	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC1	28-Apr-23	Chum	38	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC1	28-Apr-23	Chum	40	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC1	28-Apr-23	Chum	50	1.3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FC1	28-Apr-23	Chum	46	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC1	28-Apr-23	Chum	43	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC1	28-Apr-23	Chum	43	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC1	28-Apr-23	Chum	57	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC1	28-Apr-23	Chum	48	1.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FC1	28-Apr-23	Chum	50	1.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC1	28-Apr-23	Chum	40	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC1	28-Apr-23	Chum	40	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC1	28-Apr-23	Chum	40	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC1	28-Apr-23	Chum	42	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC1	01-Jun-23	Chum	51	1.7	0	1	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
FC1	01-Jun-23	Chum	55	2.1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FC1	01-Jun-23	Chum	59	2.6	0	2	1	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	7
FC1	01-Jun-23	Chum	53	1.7	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
FC1	01-Jun-23	Chum	60	2.6	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FC1	01-Jun-23	Chum	61	2.6	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FC1	01-Jun-23	Chum	56	2.3	1	1	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	5
FC1	01-Jun-23	Chum	61	2.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC1	01-Jun-23	Chum	56	2.0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FC1	01-Jun-23	Chum	58	2.2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
FC1	01-Jun-23	Chum	60	2.6	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FC1	01-Jun-23	Chum	59	2.5	0	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
FC1	01-Jun-23	Chum	59	2.6	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FC1	01-Jun-23	Chum	52	2.2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FC1	01-Jun-23	Chum	58	2.4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
FC1	12-May-23	Chum	48	1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SITE	DATE COLLECTED	FISH SPECIES	LENGTH IN MM	WEIGHT IN G	LEP Co	LEP C1	LEP C2	LEP NM NOT ID	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP MOT NOT ID	CAL Co	CAL C1	CAL C2	CAL C3	CAL C4	CAL NM NOT ID	CAL PAM	CAL_PAF	CAL AM	CAL AF	CAL MOT NOT ID	TOT LICE ID	
FC1	12-May-23	Chum	50	1.4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
FC1	12-May-23	Chum	50	1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC1	12-May-23	Chum	46	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC1	12-May-23	Chum	50	1.3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FC1	12-May-23	Chum	46	1.2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
FC2	28-Apr-23	Chum	56	2.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC2	28-Apr-23	Chum	47	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC2	28-Apr-23	Chum	43	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC2	28-Apr-23	Chum	57	2.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC2	28-Apr-23	Chum	70	3.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC2	28-Apr-23	Chum	38	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC2	28-Apr-23	Chum	58	2.2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FC2	28-Apr-23	Chum	52	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC2	28-Apr-23	Chum	44	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC2	28-Apr-23	Chum	40	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC2	28-Apr-23	Chum	53	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC2	28-Apr-23	Chum	44	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC2	28-Apr-23	Chum	42	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC2	28-Apr-23	Chum	68	3.3	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
FC2	28-Apr-23	Chum	46	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	14-Apr-23	Chum	33	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	14-Apr-23	Chum	34	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	14-Apr-23	Chum	36	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	14-Apr-23	Chum	35	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	14-Apr-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	14-Apr-23	Chum	36	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	14-Apr-23	Chum	36	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	14-Apr-23	Chum	37	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	14-Apr-23	Chum	36	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	14-Apr-23	Chum	35	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	14-Apr-23	Chum	37	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	14-Apr-23	Chum	34	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	14-Apr-23	Chum	35	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	14-Apr-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	14-Apr-23	Chum	36	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	28-Apr-23	Chum	40	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	28-Apr-23	Chum	38	0.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FC3	28-Apr-23	Chum	39	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	28-Apr-23	Chum	43	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	28-Apr-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	28-Apr-23	Chum	38	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SITE	DATE COLLECTED	FISH SPECIES	LENGTH IN MM	WEIGHT IN G	LEP Co	LEP C1	LEP C2	LEP NM NOT ID	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP MOT NOT ID	CAL Co	CAL C1	CAL C2	CAL C3	CAL C4	CAL NM NOT ID	CAL PAM	CAL_PAF	CAL AM	CAL AF	CAL MOT NOT ID	TOT LICE ID	
FC3	28-Apr-23	Chum	40	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FC3	28-Apr-23	Chum	37	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	28-Apr-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	28-Apr-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	28-Apr-23	Chum	37	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	28-Apr-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	28-Apr-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	28-Apr-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	28-Apr-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	02-Jun-23	Chum	65	3.0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FC3	02-Jun-23	Chum	54	1.9	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
FC3	02-Jun-23	Chum	63	2.6	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
FC3	02-Jun-23	Chum	64	2.7	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
FC3	02-Jun-23	Chum	72	4.1	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
FC3	02-Jun-23	Chum	66	3.4	0	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
FC3	02-Jun-23	Chum	60	2.3	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
FC3	02-Jun-23	Chum	61	2.5	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
FC3	02-Jun-23	Chum	65	3.1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FC3	02-Jun-23	Chum	58	2.2	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
FC3	02-Jun-23	Chum	64	3.0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FC3	02-Jun-23	Chum	59	2.5	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
FC3	02-Jun-23	Chum	61	2.5	0	2	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
FC3	02-Jun-23	Chum	58	2.2	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
FC3	02-Jun-23	Chum	60	2.5	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
FC3	12-May-23	Chum	40	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	12-May-23	Chum	51	1.7	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FC3	12-May-23	Chum	44	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	12-May-23	Chum	60	2.7	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FC3	12-May-23	Chum	54	1.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	12-May-23	Chum	65	3.3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FC3	12-May-23	Chum	46	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	12-May-23	Chum	48	1.6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FC3	12-May-23	Chum	58	2.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	12-May-23	Chum	56	2.3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
FC3	12-May-23	Chum	46	1.2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FC3	12-May-23	Chum	46	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	12-May-23	Chum	43	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	12-May-23	Chum	44	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC3	12-May-23	Chum	43	1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC4	02-Jun-23	Chum	52	1.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FC4	02-Jun-23	Chum	55	2.0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

SITE	DATE COLLECTED	FISH SPECIES	LENGTH IN MM	WEIGHT IN G	LEP Co	LEP C1	LEP C2	LEP NM NOT ID	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP MOT NOT ID	CAL Co	CAL C1	CAL C2	CAL C3	CAL C4	CAL NM NOT ID	CAL PAM	CAL_PAF	CAL AM	CAL AF	CAL MOT NOT ID	TOT LICE ID
FC4	02-Jun-23	Chum	51	1.3	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
FC4	02-Jun-23	Chum	51	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC4	02-Jun-23	Chum	50	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC7	14-Apr-23	Chum	37	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC7	14-Apr-23	Chum	43	1.1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FC7	14-Apr-23	Chum	48	1.4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FC7	14-Apr-23	Chum	55	1.9	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FC7	14-Apr-23	Chum	35	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC7	14-Apr-23	Chum	36	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC7	14-Apr-23	Chum	40	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC7	14-Apr-23	Chum	37	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC7	14-Apr-23	Chum	40	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC7	14-Apr-23	Chum	34	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC7	14-Apr-23	Chum	44	0.9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FC7	14-Apr-23	Chum	34	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC7	14-Apr-23	Chum	36	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FC7	14-Apr-23	Chum	43	1.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FC7	14-Apr-23	Chum	35	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H12	01-Jun-23	Coho	118	23.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H12	01-Jun-23	Coho	112	19.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	13-Apr-23	Chum	34	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	13-Apr-23	Chum	35	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	13-Apr-23	Chum	34	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	13-Apr-23	Chum	37	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	13-Apr-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	13-Apr-23	Chum	38	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	13-Apr-23	Chum	34	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	13-Apr-23	Chum	37	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	13-Apr-23	Chum	38	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	13-Apr-23	Chum	38	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	13-Apr-23	Chum	37	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	13-Apr-23	Chum	39	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	13-Apr-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	13-Apr-23	Chum	36	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	13-Apr-23	Chum	35	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	27-Apr-23	Chum	39	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	27-Apr-23	Chum	38	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	27-Apr-23	Chum	37	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	27-Apr-23	Chum	37	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	27-Apr-23	Chum	38	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	27-Apr-23	Chum	39	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SITE	DATE COLLECTED	FISH SPECIES	LENGTH IN MM	WEIGHT IN G	LEP Co	LEP C1	LEP C2	LEP NM NOT ID	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP MOT NOT ID	CAL Co	CAL C1	CAL C2	CAL C3	CAL C4	CAL NM NOT ID	CAL PAM	CAL_PAF	CAL AM	CAL AF	CAL MOT NOT ID	TOT LICE ID	
HI1	27-Apr-23	Chum	39	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HI1	27-Apr-23	Chum	39	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	27-Apr-23	Chum	42	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	27-Apr-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	27-Apr-23	Chum	38	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	27-Apr-23	Chum	37	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	27-Apr-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	27-Apr-23	Chum	38	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI1	27-Apr-23	Chum	64	2.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	13-Apr-23	Chum	34	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	27-Apr-23	Chum	49	1.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	27-Apr-23	Chum	68	3.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	27-Apr-23	Chum	43	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	27-Apr-23	Chum	63	3.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
HI2	27-Apr-23	Chum	52	2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	27-Apr-23	Chum	57	2.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	27-Apr-23	Chum	43	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	27-Apr-23	Chum	50	1.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	27-Apr-23	Chum	50	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	27-Apr-23	Chum	47	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	27-Apr-23	Chum	50	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	27-Apr-23	Chum	55	2.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	27-Apr-23	Chum	80	5.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	27-Apr-23	Chum	55	2.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	27-Apr-23	Chum	44	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	27-Apr-23	Coho	91	10.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	27-Apr-23	Coho	90	10.3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
HI2	27-Apr-23	Coho	90	9.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	27-Apr-23	Coho	97	13.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	11-May-23	Chum	43	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	11-May-23	Chum	35	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	11-May-23	Chum	41	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	11-May-23	Chum	37	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	11-May-23	Chum	41	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	11-May-23	Chum	51	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	11-May-23	Chum	45	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	11-May-23	Chum	39	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	11-May-23	Chum	43	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	11-May-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	11-May-23	Chum	40	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	11-May-23	Chum	44	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SITE	DATE COLLECTED	FISH SPECIES	LENGTH IN MM	WEIGHT IN G	LEP Co	LEP C1	LEP C2	LEP NM NOT ID	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP MOT NOT ID	CAL Co	CAL C1	CAL C2	CAL C3	CAL C4	CAL NM NOT ID	CAL PAM	CAL_PAF	CAL AM	CAL AF	CAL MOT NOT ID	TOT LICE ID	
HI2	11-May-23	Chum	43	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HI2	11-May-23	Chum	39	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	11-May-23	Chum	35	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	11-May-23	Chum	42	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI2	11-May-23	Chum	31	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI3	13-Apr-23	Chum	47	1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI3	02-Jun-23	Coho	92	9.6	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
HI3	02-Jun-23	Coho	92	9.5	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
HI3	02-Jun-23	Coho	84	6.9	0	2	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
HI3	02-Jun-23	Coho	94	10.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MC1	27-Apr-23	Chum	35	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	13-Apr-23	Chum	36	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	13-Apr-23	Chum	34	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	13-Apr-23	Chum	36	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	13-Apr-23	Chum	36	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	13-Apr-23	Coho	85	8.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	13-Apr-23	Coho	86	7.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	13-Apr-23	Coho	65	4.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	01-Jun-23	Chum	83	7.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Chum	62	2.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Chum	58	2.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Chum	80	5.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Chum	72	4.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Chum	68	3.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Chum	67	3.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Chum	67	3.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Chum	79	6.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Chum	72	4.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Chum	60	2.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Chum	62	2.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Chum	49	1.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Chum	35	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Chum	63	2.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Chum	51	1.3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MC1	11-May-23	Coho	80	6.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Coho	98	12.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Coho	77	5.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Coho	94	10.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Coho	79	6.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Coho	86	8.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Coho	98	12.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SITE	DATE COLLECTED	FISH SPECIES	LENGTH IN MM	WEIGHT IN G	LEP Co	LEP C1	LEP C2	LEP NM NOT ID	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP MOT NOT ID	CAL Co	CAL C1	CAL C2	CAL C3	CAL C4	CAL NM NOT ID	CAL PAM	CAL_PAF	CAL AM	CAL AF	CAL MOT NOT ID	TOT LICE ID
MC1	11-May-23	Coho	85	7.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Coho	72	4.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Coho	85	8.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MC1	11-May-23	Coho	86	8.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Coho	88	9.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Coho	80	6.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Coho	80	7.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	11-May-23	Coho	90	8.2	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
MC1	11-May-23	Coho	79	6.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC3	27-Apr-23	Chum	39	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC3	27-Apr-23	Chum	41	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC3	27-Apr-23	Chum	43	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC3	27-Apr-23	Chum	36	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC3	27-Apr-23	Chum	46	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC3	27-Apr-23	Chum	39	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC3	27-Apr-23	Chum	38	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC3	27-Apr-23	Chum	48	1.1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
MC3	27-Apr-23	Chum	45	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC3	27-Apr-23	Chum	40	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC3	27-Apr-23	Chum	46	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC3	27-Apr-23	Chum	49	1.3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
MC3	27-Apr-23	Chum	39	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC3	27-Apr-23	Chum	44	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC3	27-Apr-23	Chum	41	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC3	11-May-23	Chum	43	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC4	27-Apr-23	Chum	34	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC4	01-Jun-23	Chum	49	1.8	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
MC4	11-May-23	Chum	35	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC4	11-May-23	Chum	40	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC4	11-May-23	Chum	39	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC4	11-May-23	Chum	35	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC4	11-May-23	Chum	39	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC4	11-May-23	Chum	35	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC4	11-May-23	Chum	38	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC4	11-May-23	Chum	40	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	27-Apr-23	Chum	36	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	27-Apr-23	Chum	43	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	27-Apr-23	Chum	43	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	27-Apr-23	Chum	43	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	27-Apr-23	Chum	44	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	27-Apr-23	Chum	44	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SITE	DATE COLLECTED	FISH SPECIES	LENGTH IN MM	WEIGHT IN G	LEP Co	LEP C1	LEP C2	LEP NM NOT ID	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP MOT NOT ID	CAL Co	CAL C1	CAL C2	CAL C3	CAL C4	CAL NM NOT ID	CAL PAM	CAL_PAF	CAL AM	CAL AF	CAL MOT NOT ID	TOT LICE ID	
SD1	27-Apr-23	Chum	44	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SD1	27-Apr-23	Chum	44	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	27-Apr-23	Chum	46	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	27-Apr-23	Chum	53	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	27-Apr-23	Chum	39	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	27-Apr-23	Chum	44	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	27-Apr-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	27-Apr-23	Chum	39	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	27-Apr-23	Chum	38	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	13-Apr-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	13-Apr-23	Chum	38	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	01-Jun-23	Chum	58	2.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	11-May-23	Chum	52	1.8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SD1	11-May-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	11-May-23	Chum	38	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	11-May-23	Chum	46	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	11-May-23	Chum	39	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	11-May-23	Chum	42	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	11-May-23	Chum	56	1.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	11-May-23	Chum	40	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	11-May-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	11-May-23	Chum	40	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	11-May-23	Chum	47	1.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	11-May-23	Chum	47	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	11-May-23	Chum	41	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	11-May-23	Chum	42	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD1	11-May-23	Chum	45	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI1	27-Apr-23	Chum	34	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI1	27-Apr-23	Chum	34	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI1	27-Apr-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI1	27-Apr-23	Chum	33	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI1	27-Apr-23	Chum	35	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI1	27-Apr-23	Chum	38	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI1	27-Apr-23	Chum	34	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI1	01-Jun-23	Chum	49	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI1	11-May-23	Chum	51	1.5	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SI1	11-May-23	Chum	54	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI1	11-May-23	Chum	57	2.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI1	11-May-23	Chum	49	1.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI1	11-May-23	Chum	58	2.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI1	11-May-23	Chum	55	1.8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

SITE	DATE COLLECTED	FISH SPECIES	LENGTH IN MM	WEIGHT IN G	LEP Co	LEP C1	LEP C2	LEP NM NOT ID	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP MOT NOT ID	CAL Co	CAL C1	CAL C2	CAL C3	CAL C4	CAL NM NOT ID	CAL PAM	CAL_PAF	CAL AM	CAL AF	CAL MOT NOT ID	TOT LICE ID	
SI1	11-May-23	Chum	44	0.9	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
SI1	11-May-23	Chum	59	2.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI1	11-May-23	Chum	51	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI1	11-May-23	Chum	49	1.3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SI1	11-May-23	Chum	51	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI1	11-May-23	Chum	50	1.5	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
SI1	11-May-23	Chum	58	2.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI1	11-May-23	Chum	52	1.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI1	11-May-23	Chum	52	1.7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SI2	13-Apr-23	Chum	36	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	13-Apr-23	Chum	35	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	13-Apr-23	Chum	34	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	13-Apr-23	Chum	33	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	13-Apr-23	Chum	34	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	13-Apr-23	Chum	33	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	13-Apr-23	Chum	33	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	13-Apr-23	Chum	33	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	13-Apr-23	Chum	32	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	13-Apr-23	Chum	32	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	13-Apr-23	Chum	34	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	13-Apr-23	Chum	36	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	13-Apr-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	13-Apr-23	Chum	35	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	13-Apr-23	Chum	36	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	27-Apr-23	Chum	37	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	27-Apr-23	Chum	35	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	27-Apr-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	27-Apr-23	Chum	36	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	27-Apr-23	Chum	36	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	27-Apr-23	Chum	37	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	27-Apr-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	27-Apr-23	Chum	35	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	27-Apr-23	Chum	34	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	27-Apr-23	Chum	39	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	27-Apr-23	Chum	37	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	27-Apr-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	27-Apr-23	Chum	35	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	27-Apr-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	27-Apr-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	01-Jun-23	Chum	50	1.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SI2	01-Jun-23	Chum	39	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SITE	DATE COLLECTED	FISH SPECIES	LENGTH IN MM	WEIGHT IN G	LEP Co	LEP C1	LEP C2	LEP NM NOT ID	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP MOT NOT ID	CAL Co	CAL C1	CAL C2	CAL C3	CAL C4	CAL NM NOT ID	CAL PAM	CAL_PAF	CAL AM	CAL AF	CAL MOT NOT ID	TOT LICE ID	
SI2	01-Jun-23	Chum	40	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SI2	01-Jun-23	Chum	50	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	11-May-23	Chum	34	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	11-May-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	11-May-23	Chum	37	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI2	11-May-23	Chum	35	0.4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SI2	11-May-23	Chum	40	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	27-Apr-23	Coho	73	4.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	27-Apr-23	Coho	82	7.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	27-Apr-23	Coho	95	10.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	27-Apr-23	Coho	82	7.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	27-Apr-23	Coho	97	11.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	27-Apr-23	Coho	80	7.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	27-Apr-23	Coho	83	8.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	27-Apr-23	Coho	79	7.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	27-Apr-23	Coho	95	10.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	27-Apr-23	Coho	75	7.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	27-Apr-23	Coho	73	5.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	27-Apr-23	Chum	38	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	27-Apr-23	Chum	36	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	27-Apr-23	Chum	38	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	13-Apr-23	Coho	32	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	11-May-23	Chum	42	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	11-May-23	Chum	45	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	11-May-23	Chum	45	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	11-May-23	Chum	45	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	11-May-23	Chum	42	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	11-May-23	Chum	40	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	11-May-23	Chum	44	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	11-May-23	Chum	44	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SI3	11-May-23	Chum	47	1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0