

# Wild Juvenile Salmonid Monitoring Program 2022 Muchalat Inlet, Nootka Sound, BC

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## Summary

Beach seine sampling was conducted on behalf of Grieg Seafood in Nootka Sound, BC in 2022. Sampling was completed to monitor sea lice abundance, prevalence, and intensity on juvenile wild salmon within Nootka Sound in support of the Aquaculture Stewardship Certification process for Grieg Seafood's finfish aquaculture sites in the area.

Sampling was conducted during four separate sampling events in, April, and May 2022, selected to coincide with the peak outmigration period of juvenile salmonids. Sampling was completed at 11 sites within Nootka Sound, BC. The sites were selected based on historical fish capture results and location relative to existing aquaculture sites in the area and in consultation with the Mowachaht/Muchalaht First Nation Lands, Resources and Fisheries Manager.

Thirty individuals from each target fish species or the total number of captured individuals from each target species (if less than 30 were captured) were collected from each of the 11 sites during the sampling events. Total catch numbers of each species were recorded. 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 Nootka Sound, BC in 2022. A total of 668 fish samples underwent lab analysis for sea lice infestation in 2022 including 532 chum, 15 coho, and 121 chinook salmon. No pink, sockeye or Atlantic salmon were captured during sampling completed in Nootka Sound in 2022. A total of 143 individuals were found to be infested with sea lice in the total sample population, resulting in a calculated sea lice prevalence of 21.4 % in 2022. A total of 278 sea lice were found during laboratory analysis resulting in an abundance of 0.42 and an average intensity of 1.9 for the sample population.

Chum salmon smolts were captured in significantly greater numbers than any other species. A total of 1295 chum salmon were captured, representing 90.5 % of all captured salmonids. Of the 1295 chum captured, 532 were retained for lab analysis for sea lice infestation. A total of 112 chum smolts were found to be infested with a total of 219 sea lice resulting in a calculated prevalence of 21.1 %, abundance of 0.41 and an average intensity of 2.0 for the chum salmon sample population.

A total of 15 coho salmon smolts were captured, representing 1.0 % of all captured samples. All 15 coho captured were retained for lab analysis for sea lice infestation. A total of two coho smolts were found to be infested with two sea lice resulting in a calculated prevalence of 13.3 %, abundance of 0.13, and an average intensity of 1.0 for the coho sample population.

A total of 121 chinook salmon were captured, representing 8.5 % of all captured samples. All of the 121 chinook salmon captured were retained for lab analysis for sea lice infestation. A total of 29 chinook smolts were found to be infested with 57 sea lice resulting in a calculated prevalence of 24.0 %, abundance of 0.47 and an average intensity of 2.0 for the sample chinook population.

A total of 270 *Lepeophtheirus salmonis* sea lice of various life stages were identified on 140 juvenile salmon and 8 *Caligus clemensi* sea lice of various life stages were identified on seven juvenile salmon. Of the infested juvenile salmon four were found to be infested with at least one *L. salmonis* and *C. clemensi* sea louse (Appendix III).

A total of 212 *Lepeophtheirus salmonis* sea lice of various life stages were identified on 110 juvenile chum salmon and seven *Caligus clemensi* sea lice of various life stages were found on six juvenile 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 two *Lepeophtheirus salmonis* sea lice of various life stages were identified on two juvenile coho salmon and no *Caligus clemensi* sea lice were found on the coho samples.

A total of 56 *Lepeophtheirus salmonis* sea lice of various life stages were identified on 28 juvenile chinook salmon and one *Caligus clemensi* sea lice was found on one juvenile chinook. Of the infested chinook none were found to be infested with at least one *L. salmonis* and *C. clemensi* sea louse.

A comparison of the prevalence and abundance of sea lice species found on chum salmon was completed for sample data from 2004 to 2022 collected in Nootka Sound, BC. This data is presented in a summary table in Appendix IV.

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## 1.0 Introduction

Beach seine sampling was conducted at 11 sites in Nootka Sound, BC (Figure 1) to capture wild juvenile salmon on behalf of Grieg Seafood BC. Retained fish were analyzed in the lab for sea lice infestation. Four sampling events were completed between April 13, 2022, and May 26, 2022. Timing was selected to coincide with the estimated peak outmigration of juvenile salmonids in Muchalat Inlet, BC.

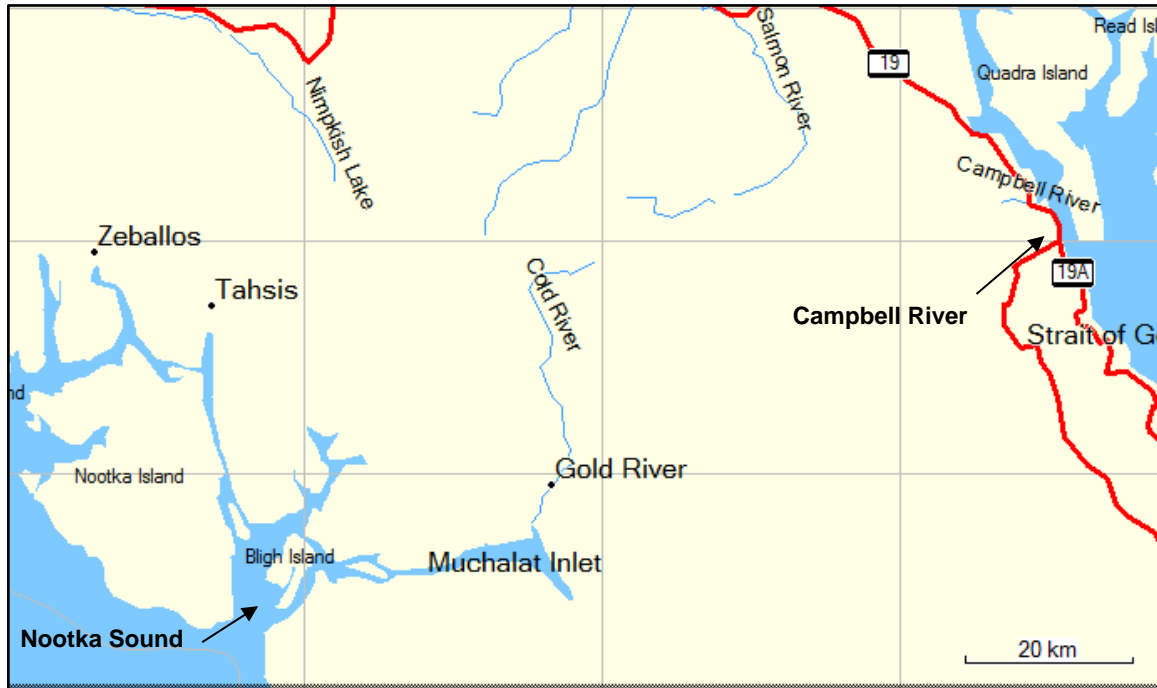


Figure 1: An overview map showing the location of Nootka Sound on the west coast of northern Vancouver Island, BC.

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 Nemec, 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 naupili 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).

Grieg Seafood requested monitoring of sea lice abundance, prevalence, and intensity on juvenile wild salmon in Nootka Sound, BC in support of Aquaculture Stewardship Certification for their aquaculture sites within the area. This data summary report documents the observed sea lice infestation rates on juvenile salmonids collected in Nootka Sound in 2022. This is the nineteenth year that sampling was completed in Nootka Sound by Grieg Seafood BC.



## 2.0 Methods

Juvenile salmonids were collected from 11 sites in Nootka Sound, BC. These sites were chosen in consultation with Grieg Seafood BC Ltd and the Mowachaht/Muchalaht First Nation Lands, Resources and Fisheries Manager. Sites included locations that had historically yielded consistent out-migrating juvenile salmon catch results, were in close proximity to the six established finfish aquaculture tenures in the area held by Grieg Seafood BC Ltd and sites further afield that were of concern to the Lands, Resources and Fisheries Manager. The sites were sampled four times in 2022 between April 13 and May 26.

### 2.1 Site Locations

Of the 11 sampling sites, six sites were located within Muchalat Inlet, one site was in Zuciarte Channel, one site was in Hanna Channel, two sites were in Tlupana Inlet and one site was in Tahsis Inlet (Figure 2). Field GPS coordinates collected at the sampling sites are provided in Table 1.

Table 1: The site number and locations of the 11 beach seine sites where fish were collected for sea lice analysis in Nootka Sound, BC in 2022.

Site Name	Coordinates		
	Site #	Latitude North	Longitude West
McCurdy Creek	1	49 40.293	126 11.161
Muchalat North	2	49 38.993	126 17.552
Houston River	3	49 38.276	126 18.268
Silverado Creek	4	49 37.837	126 22.080
Gore Island	5	49 39.080	126 24.446
East Mooyah	6	49 38.186	126 25.802
Zuciarte	7	49 37.425	126 28.986
Hanna	8	49 40.458	126 28.064
Hois Point	9	49 42.518	126 31.214
Villaverda Island	10	49 40.180	126 34.507
Jewitt Cove	11	49 41.334	126 36.764



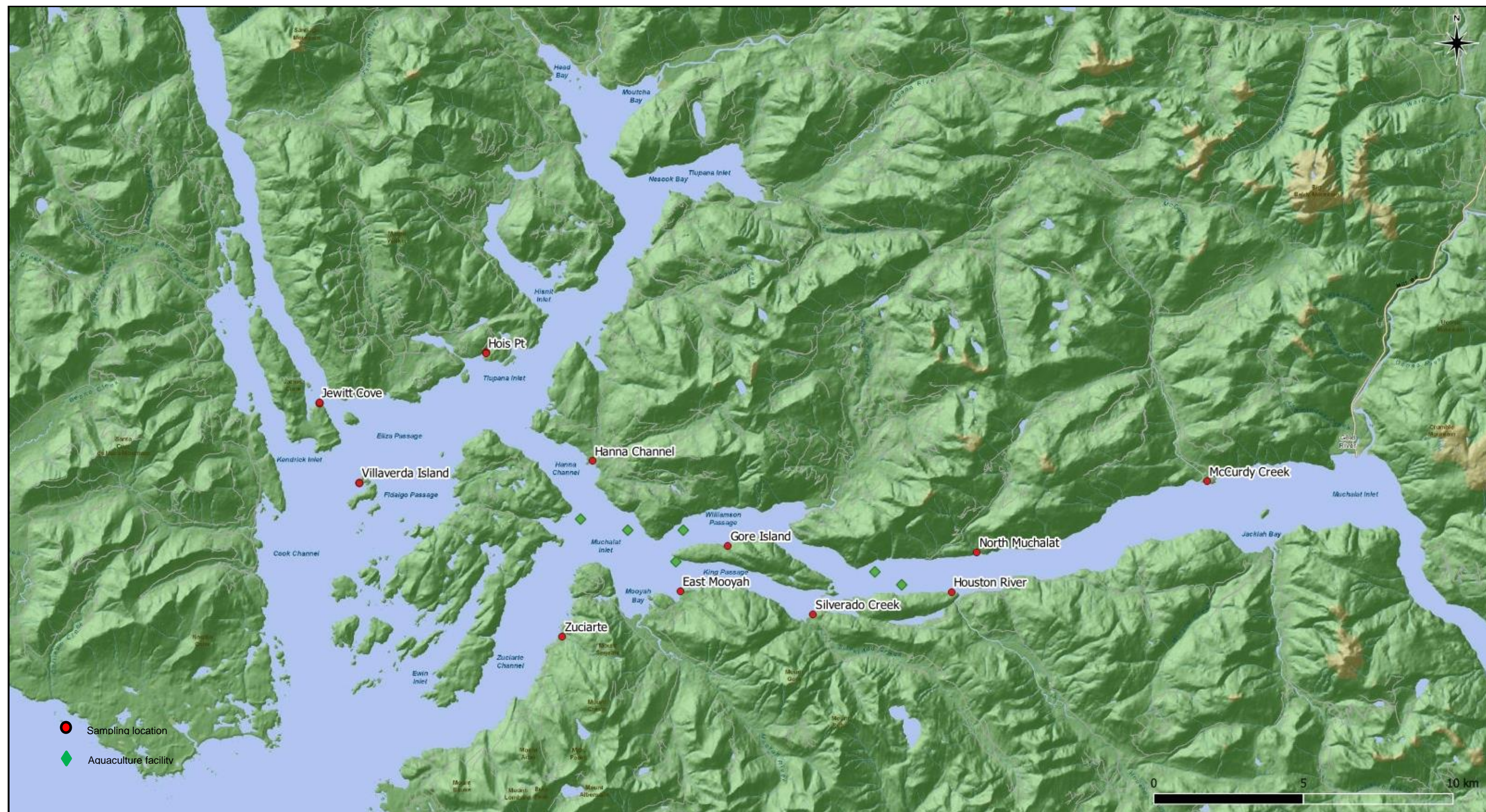


Figure 2: The locations of the 11 beach seine sites in Nootka Sound, BC sampled in 2022.



## 2.2 Field Procedures

Procedures used by Mainstream Biological Consulting during 2022 sampling were adapted from procedures for beach seining, fish collection and field data recording utilized by the Department of Fisheries and Oceans (DFO).

An 18 ft Boston Whaler powered by a 60 horsepower outboard motor 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 two shore 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 30 individuals from each target species were retained for sea lice infestation analysis. If less than 30 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 number (Site 1-11)
- 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
- Exact GPS coordinates
- The number of salmon mortalities.

Retained fish from each site were packaged separately in re-sealable bags and labelled with the site number (Site 1-11), 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 bow of 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 11 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 Whirl-pac 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 Nemec, 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 week. 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 Nootka Sound, BC in 2022. 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 11 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 temperatures ranged from a low of 5.8 °C recorded at Site 2 on April 13, 2022, to a high of 12.9 °C recorded at Site 9 and Site 10 on May 26, 2022 (Table 2; Appendix I). Calculated weekly average surface water temperatures increased over the sampling period, beginning at 7.5 °C on April 13, 2022, increasing to a maximum of 12.0 °C on May 26, 2022.

Recorded surface water salinity ranged from a low of 3.5 ppt recorded at Site 1 on May 26, 2022, to a high of 25.3 ppt recorded at Site 1 on April 27, 2022, and Site 10 on May 11, 2022 (Table 2; Appendix I). The calculated weekly average surface water salinity varied over the sampling period from 12.8 ppt on April 13, 2022, to 16.3ppt on May 11, 2022 (Table 2).

Recorded surface dissolved oxygen (DO) ranged from a low of 9.3 mg/L recorded at Site 7 on May 26, 2022, to a high of 12.4 mg/L recorded at Site 2 on May 11, 2022 (Table 2; Appendix I). The calculated weekly average surface dissolved oxygen varied over the sampling period from 9.9 mg/L on May 26, 2022, to 11.0 mg/L on April 13, 2022, and May 11, 2022 (Table 2).

Recorded one meter water temperatures ranged from a low of 6.8 °C recorded at Site 2 on April 13, 2022, to a high of 13.0 °C recorded at Site 10 on May 26, 2022 (Table 3; Appendix I). Calculated weekly average one meter water temperatures increased over the sampling period, beginning at 8.4 °C on April 13, 2022 increasing to a maximum of 12.0 °C on May 26, 2022.

Recorded one meter water salinity ranged from a low of 3.5 ppt recorded at Site 1 on May 26, to a high of 27.6 ppt recorded at Site 10 on April 13, 2022 (Table 3; Appendix I). The calculated weekly average one meter water salinity varied over the sampling period from 14.3 ppt on May 26, 2022, to 19.4 ppt on April 13, 2022 (Table 3).

Recorded one meter dissolved oxygen (DO) ranged from a low of 9.3 mg/L recorded at Site 7 on May 26, 2022, to a high of 11.9 mg/L recorded at Site 1 on May 11, 2022 (Table 3; Appendix I). The calculated weekly average one meter dissolved oxygen varied over the sampling period from 9.9 mg/L on May 26, 2022, to 10.9 mg/L on May 11, 2022 (Table 3).

Recorded five meter water temperatures ranged from a low of 8.7 °C recorded at Site 3 on April 13 2022, to a high of 12.2 °C recorded at Site 8 on May 26, 2022 (Table 4; Appendix I). Calculated weekly average five meter water temperatures increased over

the sampling period, beginning at 8.8 °C on April 13, 2022 increasing to a maximum of 11.6 °C on May 26, 2022.

Recorded five meter water salinity ranged from a low of 4.4 ppt recorded at Site 1 on May 26, 2022, to a high of 30.4 ppt recorded at Site 2 and Site 11 on May 11, 2022 (Table 4; Appendix I). The calculated weekly average five meter water salinity varied over the sampling period from 19.9 ppt on May 26, 2022, to 30.3 ppt on May 11, 2022 (Table 4).

Recorded five meter dissolved oxygen (DO) ranged from a low of 8.9 mg/L recorded at Site 3 on April 13, 2022, to a high of 11.9 mg/L recorded at Site 3 on May 11, 2022 (Table 4; Appendix I). The calculated weekly average five meter dissolved oxygen varied over the sampling period from 9.5 mg/L on April 13, 2022, to 11.1 mg/L on May 11, 2022 (Table 4).



Table 2: Surface water quality parameters collected during 2022 beach seine sampling in Nootka Sound, BC.

Site	13-Apr-22			27-Apr-22			11-May-22			26-May-22		
	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)
1	12.1	10.7	10.8	25.3	7.1	-	5.1	9.2	12.2	3.5	10.5	10.5
2	3.6	5.8	11.7	8.0	7.6	11.1	10.0	10.0	12.4	8.4	11.3	10.2
3	8.3	7.2	11.7	10.7	8.6	10.9	12.7	10.6	11.4	10.2	11.6	9.9
4	18.9	8.5	10.5	14.2	9.5	10.3	14.3	10.1	11.0	12.2	11.9	9.7
5	11.6	6.0	11.3	14.2	8.7	10.4	15.0	10.1	10.9	14.7	11.9	10.0
6	12.0	7.2	10.6	16.5	9.2	10.5	18.1	10.4	10.8	13.6	12.0	9.5
7	-	-	-	23.9	9.8	9.9	22.8	10.8	10.6	20.0	12.0	9.3
8	10.1	6.1	11.3	15.9	10.1	10.9	17.1	10.0	10.7	13.8	12.2	10.2
9	13.5	7.6	11.0	10.9	9.4	10.9	18.4	10.9	10.3	14.7	12.9	9.7
10	23.4	8.5	9.7	18.8	9.9	10.3	25.3	11.0	10.7	20.5	12.9	9.8
11	14.4	7.6	11.6	17.5	9.3	10.3	20.5	10.5	9.5	15.7	12.8	9.9
<b>Average</b>	<b>12.8</b>	<b>7.5</b>	<b>11.0</b>	<b>16.0</b>	<b>9.0</b>	<b>10.5</b>	<b>16.3</b>	<b>10.3</b>	<b>11.0</b>	<b>13.4</b>	<b>12.0</b>	<b>9.9</b>

Table 3: One meter water quality parameters collected during 2022 beach seine sampling in Nootka Sound, BC.

Site	13-Apr-22			27-Apr-22			11-May-22			26-May-22		
	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)
1	12.7	8.1	10.9	-	-	-	7.0	9.7	11.9	3.5	10.5	10.5
2	8.8	6.8	11.3	11.1	21.1	10.2	12.1	10.4	11.8	8.6	11.4	10.2
3	10.8	8.3	11.4	16.6	9.1	10.9	12.7	10.6	11.7	11.0	11.7	10.1
4	22.7	9.1	9.5	16.0	9.2	10.3	14.9	10.2	11.8	12.4	11.9	9.8
5	23.0	8.6	10.2	17.2	8.9	10.2	19.3	10.8	10.8	15.0	11.9	10.0
6	21.8	8.2	10.3	19.3	9.4	10.2	20.4	10.9	10.4	16.4	12.0	9.5
7	-	-	-	24.8	9.8	9.9	23.0	10.9	10.6	20.0	12.0	9.3
8	15.2	8.3	10.5	16.8	10.1	10.8	17.8	10.3	10.8	14.0	12.1	10.0
9	26.9	9.4	9.9	18.3	9.5	10.5	19.5	11.0	10.4	17.9	12.8	9.6
10	27.6	8.9	9.6	20.3	9.9	10.4	25.4	11.0	10.7	21.3	13.0	9.7
11	24.8	8.7	9.5	17.8	9.6	10.4	20.8	10.9	9.4	16.8	12.4	9.8
<b>Average</b>	<b>19.4</b>	<b>8.4</b>	<b>10.3</b>	<b>17.8</b>	<b>10.7</b>	<b>10.4</b>	<b>17.5</b>	<b>10.6</b>	<b>10.9</b>	<b>14.3</b>	<b>12.0</b>	<b>9.9</b>

Table 4: Five meter water quality parameters collected during 2022 beach seine sampling in Nootka Sound, BC.

Site	13-Apr-22			27-Apr-22			11-May-22			26-May-22		
	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)
1	-	-	-	-	-	-	-	-	-	4.4	10.9	10.1
2	29.3	8.8	10.0	8.3	10.2	10.6	30.4	9.7	11.8	21.8	11.5	9.8
3	29.8	8.7	8.9	28.1	9.4	10.4	29.9	10.7	11.9	24.4	11.8	9.6
4	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	21.1	9.6	9.5	-	-	-	17.3	12.0	9.7
6	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	15.1	12.2	10.0
9	30.0	8.9	9.6	27.6	11.7	11.7	30.3	9.7	11.6	26.2	11.0	10.2
10	-	-	-	-	-	-	30.3	10.0	10.6	26.3	11.6	10.0
11	-	-	-	-	-	-	30.4	9.5	9.6	23.8	12.0	9.7
<b>Average</b>	<b>29.7</b>	<b>8.8</b>	<b>9.5</b>	<b>21.3</b>	<b>10.2</b>	<b>10.5</b>	<b>30.3</b>	<b>9.9</b>	<b>11.1</b>	<b>19.9</b>	<b>11.6</b>	<b>9.9</b>

### 3.2 Fish Sample Composition

A total of 1431 fish were captured during beach seine sampling conducted in Nootka Sound, BC in 2022 (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 complete dataset provided in Appendix II. Of the 1431 fish captured, 532 individual chum salmon, 15 coho salmon, 121 chinook salmon were retained for lab analysis (Table 5). No stickleback, sockeye, pink or Atlantic salmon were captured during sampling completed in Nootka Sound in 2022.

Chum salmon (*O. keta*) smolts were captured in significantly greater numbers than any other species. A total of 1295 chum salmon were captured, representing 90.5 % of all captured fish.

Table 5: The total of collected individuals of each fish species captured in Nootka Sound, BC between April 13 and May 26, 2022, and the percentage of the total capture population that they represent.

Common Name	Capture Total (% of total capture population)	Collection Totals	Collection %
chum salmon	1295 (90.5 %)	532	41.1%
coho salmon	15 (1.0 %)	15	100.0%
chinook salmon	121 (8.5 %)	121	100.0%
stickleback	0 (0.0 %)	0	0.0%
<b>all species</b>	<b>1431</b>	<b>668</b>	<b>46.7%</b>

Table 6: The number of captured fish (Capture Total) and the number of individual fish collected (Sample Total) from each of the 11 sample sites in Nootka Sound, BC between April 13 and May 26, 2022.

SITE	Chum		Coho		Sockeye		Chinook		Capture Totals	Sample Totals
	Capture Total	Sample Total	Capture Total	Sample Total	Capture Total	Sample Total	Capture Total	Sample Total		
1	280	91	4	4	0	0	29	29	313	124
2	176	63	0	0	0	0	29	31	208	95
3	53	53	3	3	0	0	2	2	58	58
4	7	7	0	0	0	0	0	0	7	7
5	198	92	8	8	0	0	55	55	261	155
6	4	4	0	0	0	0	0	0	4	4
7	67	61	0	0	0	0	2	3	69	63
8	127	33	0	0	0	0	0	0	127	33
9	1	1	0	0	0	0	0	0	1	1
10	34	34	0	0	0	0	0	0	34	34
11	348	93	0	0	0	0	1	1	349	94
<b>Total</b>	<b>1295</b>	<b>532</b>	<b>15</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>121</b>	<b>121</b>	<b>1431</b>	<b>668</b>

### 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 532 chum smolts collected during the four sample events ranged from 0.2 g to 6.0 g and averaged 0.6 g (SD = 0.5). Fork length of the chum smolts ranged from 28 mm to 85 mm and averaged 39 mm (SD = 6).

#### 3.3.2 Coho Salmon

Individual weight of the 15 coho smolts collected during the four sample events ranged from 0.4 g to 15.5 g and averaged 7.7 g (SD = 4.6). The fork length of the coho smolts ranged from 36 mm to 110 mm and averaged 80 mm (SD = 23)

#### 3.3.3 Chinook Salmon

Individual weight of the 121 chinook smolts collected during the four sample events ranged from 0.3 g to 4.3 g and averaged 1.0 g (SD = 0.6). The fork length of the chinook smolts ranged from 33 mm to 69 mm and averaged 42 mm (SD = 6).

Table 7: Average lengths of chum, coho, and chinook collected in Nootka Sound in 2022, summarized by sampling event.

Species	Length (mm)			
	13-Apr	27-Apr	11-May	26-May
chum	37	38	40	51
coho	80	80	118	87
chinook	41	39	42	48

Table 8: Average weights of chum, coho, and chinook collected in Nootka Sound in 2022, summarized by sampling event.

Species	Weight (g)			
	13-Apr	27-Apr	11-May	26-May
chum	0.5	0.6	0.7	1.7
coho	8.0	7.4	24.3	7.3
chinook	0.8	0.7	1.0	1.7

### 3.4 Sea Lice Infestation Rates

The results of laboratory analysis for the presence of sea lice on the fish sample population collected in Nootka Sound, BC in 2022 are presented in Table 9. A complete dataset is included in Appendix III. A total of 668 samples were collected at the 11 sites in Nootka Sound and inspected for sea lice infestation. A total of 143 fish in the sample population were found to be infested with 278 sea lice (Table 9).

The sea lice prevalence in the sample population collected in Nootka Sound, BC in 2022 was 21.4 %, the abundance was 0.42 and the average intensity was 1.9 (Table 9).

Table 9: Results of analysis for sea lice infestation on fish collected by beach seine in Nootka Sound, BC in 2022.

Species	Sample size (n)	Total number of lice observed	Total number of fish infested	Prevalence (%)	Abundance	Average Intensity
chum	532	219	112	21.1	0.41	2.0
coho	15	2	2	13.3	0.13	1.0
chinook	121	57	29	24.0	0.47	2.0
<b>Total</b>	<b>668</b>	<b>278</b>	<b>143</b>	<b>21.4</b>	<b>0.42</b>	<b>1.9</b>

### 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 112 chum salmon were found to be infested with 219 sea lice. The largest number of chum salmon infested with sea lice (29 chum) and the largest number of total lice (75 lice) found on samples were at Site 5 (Table 10). Sea lice were found on fish at every site but Site 6 and Site 9. At least one chum salmon was collected from every site (Table 10).

A total of 112 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=532) collected in Nootka Sound in 2022 was 21.1%. Sea lice prevalence calculated by site for chum salmon and is presented in Table 10. The highest sea lice prevalence (37.7 %) was at Site 7.

A total of 219 sea lice were identified during laboratory analysis of retained chum salmon. The abundance of sea lice on the chum salmon sample population (n=532) collected in Nootka Sound, BC in 2022 was 0.41. The 219 sea lice identified were observed on 112 individual chum salmon resulting in an average intensity of 2.0. Sea lice abundance and intensity were calculated by site and are presented in Table 10. The highest sea lice abundance (0.82) was at Site 5 and the highest intensity (3.9) was at Site 10.

Table 10: Total number, prevalence, abundance, and intensity of sea lice infestation on chum salmon collected in Nootka Sound, BC in 2022 summarized by sampling site.

Site	# of Chum Analyzed	# of Infested Chum	Average Weight of Infested Chum (g)	# of Lice	Prevalence (%)	Abundance	Average Intensity
1	91	8	0.7	10	8.8	0.11	1.3
2	63	2	0.5	2	3.2	0.03	1.0
3	53	15	1.7	21	28.3	0.40	1.4
4	7	2	0.8	2	28.6	0.29	1.0
5	92	29	0.6	75	31.5	0.82	2.6
6	4	0	-	0	0.0	0.00	-
7	61	23	0.7	34	37.7	0.56	1.5
8	33	4	0.9	4	12.1	0.12	1.0
9	1	0	-	0	0.0	0.00	-
10	34	9	1	35	26.5	1.03	3.9
11	93	20	0.8	36	21.5	0.39	1.8
<b>TOTAL</b>	<b>532</b>	<b>112</b>	<b>0.9</b>	<b>219</b>	<b>21.1</b>	<b>0.41</b>	<b>2.0</b>



### 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 11. A total of two coho salmon were found to be infested with two sea lice. Coho salmon were only collected at Sites 1, 3 and 5 (Table 11).

A total of two coho salmon were found to be infested with at least on sea louse. The prevalence of sea lice on the coho salmon sample population (n=15) collected in Nootka Sound in 2022 was 13.3 %. Sea lice prevalence calculated by site for coho salmon is presented in Table 11. The highest sea lice prevalence (33.3 %) was at Site 11.

A total of two sea lice were identified during laboratory analysis of retained coho salmon. The abundance of sea lice on the coho salmon sample population (n=15) collected in Nootka Sound, BC in 2022 was 0.13. The intensity of sea lice on the coho salmon sample population (n=15) collected in Nootka Sound, BC in 2022 was 1.0. Sea lice abundance and intensity were calculated by site and are presented in Table 11. The highest sea lice abundance (0.33) was at Site 3 and the highest intensity (1.0) was at Site 1 and Site 2.

Table 11: Total number, prevalence, abundance, and intensity of sea lice infestation on coho salmon collected in Nootka Sound, BC in 2022 summarized by sampling site.

Site	# of Coho Analyzed	# of Infested Coho	Average Weight of Infested Coho (g)	# of Lice	Prevalence (%)	Abundance	Average Intensity
1	4	1	24.3	1	25.0	0.25	1.0
2	0	0	-	0	-	-	-
3	3	1	5.7	1	33.3	0.33	1.0
4	0	0	-	0	-	-	-
5	8	0	-	0	0.0	0.00	0.0
6	0	0	-	0	-	-	-
7	0	0	-	0	-	-	-
8	0	0	-	0	-	-	-
9	0	0	-	0	-	-	-
10	0	0	-	0	-	-	-
11	0	0	-	0	-	-	-
<b>TOTAL</b>	<b>15</b>	<b>2</b>	<b>15.0</b>	<b>2</b>	<b>13.3</b>	<b>0.13</b>	<b>1.0</b>

### 3.4.3 Infestation Rates on Chinook Salmon

The results of the laboratory analysis for sea lice infestation for chinook salmon are presented by site in Table 12. A total of 29 chinook salmon were found to be infested with 57 sea lice. The largest number of infested chinook salmon infested with sea lice (21 chinook) and the largest number of total lice (47 lice) found on samples were at Site 5 (table 12). No chinook salmon were captured at Sites 4, 8, 9 or 10.

A total of 29 chinook salmon were found to be infested with at least one sea louse. The prevalence of sea lice on the chinook salmon sample population (n=121) collected in Nootka Sound in 2022 was 24.0%. Sea lice prevalence calculated by site for chinook salmon is presented in Table 12. The highest sea lice prevalence (100 %) was at Site 11.

A total of 57 sea lice were identified during laboratory analysis of retained chinook salmon. The abundance of sea lice on the chinook salmon sample population (n=121) collected in Nootka Sound, BC in 2022 was 0.47. The intensity of sea lice on the chinook salmon sample population (n=121) collected in Nootka Sound, BC in 2022 was 2.0. Sea lice abundance and intensity was calculated by site and is presented in Table 12. The highest sea lice abundance (1.0) was at Site 7 and the highest intensity (2.2) was at Site 5.

Table 12: Total number, prevalence, abundance, and intensity of sea lice infestation on chinook salmon collected in Nootka Sound, BC in 2022 summarized by sampling site.

Site	# of Chinook Analyzed	# of Infested Chinook	Average Weight of Infested Chinook (g)	# of Lice	Prevalence (%)	Abundance	Average Intensity
1	29	2	1.1	3	6.9	0.10	1.5
2	31	2	2.9	2	6.5	0.06	1.0
3	2	1	1.1	1	50.0	0.50	1.0
4	0	0	-	0	-	-	-
5	55	21	1.1	47	38.2	0.85	2.2
6	0	0	-	0	-	-	-
7	3	2	1.1	3	66.7	1.00	1.5
8	0	0	-	0	-	-	-
9	0	0	-	0	-	-	-
10	0	0	-	0	-	-	-
11	1	1	0.6	1	100.0	1.00	1.0
<b>TOTAL</b>	<b>121</b>	<b>29</b>	<b>1.3</b>	<b>57</b>	<b>24.0</b>	<b>0.47</b>	<b>2.0</b>

### 3.5 Infestation by Sea Lice Species

A total of 270 *Lepeophtheirus salmonis* sea lice of various life stages were identified on 140 juvenile salmon and 8 *Caligus clemensi* sea lice of various life stages were identified on seven. Of the infested juvenile salmon four were found to be infested with at least one *L. salmonis* and *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 112 infested chum salmon is presented in Table 13. A total of 212 *Lepeophtheirus salmonis* sea lice of various life stages were identified on 110 juvenile chum salmon and seven *Caligus clemensi* sea lice of various life stages were found on six 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 by site 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 Nootka Sound BC, in 2022. LEP = *Lepeophtheirus salmonis* CAL= *Caligus clemensi*

Life Stage <sup>1</sup>	13-Apr	27-Apr	11-May	26-May
LEP Co	8	32	69	3
LEP C1	0	8	34	1
LEP C2	0	6	26	2
LEP NM No ID	0	0	4	0
LEP PAM	0	1	7	4
LEP PAF	0	1	1	4
LEP AM	0	0	0	1
LEP AF	0	0	0	0
<b>TOTAL LEP</b>	<b>8</b>	<b>48</b>	<b>141</b>	<b>15</b>
CAL Co	0	0	0	0
CAL C1	0	0	2	2
CAL C2	0	0	3	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
<b>TOTAL CAL</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>2</b>

<sup>1</sup> 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 Nootka Sound, BC in 2022 summarized by sampling site. LEP = *Lepeophtheirus salmonis* CAL= *Caligus clemensi*

Site	Sample Week																TOTAL		
	13-Apr				27-Apr				11-May				26-May				# 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			
1	30	0	0	0	30	7	9	0	30	1	1	0	1	0	0	0	91	8	10
2	31	0	0	0	30	2	2	0	0	0	0	0	2	0	0	0	63	2	2
3	19	0	0	0	28	11	14	0	3	1	3	0	3	3	3	1	53	15	21
4	1	0	0	0	4	2	2	0	0	0	0	0	2	0	0	0	7	2	2
5	30	3	3	0	30	5	7	0	30	20	64	0	2	1	1	0	92	29	75
6	1	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	4	0	0
7	6	0	0	0	21	3	3	0	30	17	24	2	4	3	5	0	61	23	34
8	30	4	4	0	2	0	0	0	1	0	0	0	0	0	0	0	33	4	4
9	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
10	18	0	0	0	0	0	0	0	16	9	33	2	0	0	0	0	34	9	35
11	30	1	1	0	30	6	11	0	30	10	16	1	3	3	6	1	93	20	36
TOTAL	196	8	8	0	178	36	48	0	141	58	141	5	17	10	15	2	532	112	219

### 3.5.2 Infestation by Life Stage on Coho Salmon

An analysis of the species of sea lice identified on the two infested coho salmon is presented in Table 15. A total of two *Lepeophtheirus salmonis* sea lice of various life stages were identified on two juvenile coho salmon and no *Caligus clemensi* sea lice were found on the collected coho salmon (Appendix III). The sea lice species identified on coho salmon are also presented by site in Table 16.

Table 15: The number of *Lepeophtheirus salmonis* and *Caligus clemensi* in each life stage identified on the coho salmon sample population from Nootka Sound BC, in 2022.  
LEP = *Lepeophtheirus salmonis* CAL= *Caligus clemensi*

Life Stage <sup>1</sup>	13-Apr	27-Apr	11-May	26-May
LEP Co	0	0	0	0
LEP C1	0	0	0	0
LEP C2	0	0	0	0
LEP NM No ID	0	0	0	0
LEP PAM	0	0	0	1
LEP PAF	0	0	0	0
LEP AM	0	0	1	0
LEP AF	0	0	0	0
<b>TOTAL LEP</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>
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
<b>TOTAL CAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Table 16: The number of sea lice found on coho salmon collected in Nootka Sound, BC in 2022 summarized by sampling site. LEP = *Lepeophtheirus salmonis* CAL= *Caligus clemensi*

Site	Sample Week																TOTAL		
	13-Apr				27-Apr				11-May				26-May						
	# 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	# of Coho Analyzed	# of Infested Coho	# of Lice
1	3	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	4	1	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	3	1	1	0	3	1	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	8	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	4	0	0	0	7	0	0	0	1	1	1	0	3	1	1	0	15	2	2

### 3.5.3 Infestation by Life Stage on Chinook Salmon

An analysis of the species of sea lice identified on the 29 infested chinook salmon is presented in Table 17. A total of 56 *Lepeophtheirus salmonis* sea lice of various life stages were identified on 28 juvenile chinook salmon and one *Caligus clemensi* sea lice was found on one chinook salmon. Of the infested chinook none were found to be infested with both *L. salmonis* and *C. clemensi* sea lice. (Appendix III). The sea lice species identified on chinook salmon by site are also presented by site in Table 18.

Table 17: The number of *Lepeophtheirus salmonis* and *Caligus clemensi* in each life stage identified on the chinook salmon sample population from Nootka Sound BC, in 2022.  
LEP = *Lepeophtheirus salmonis* CAL= *Caligus clemensi*

Life Stage <sup>1</sup>	13-Apr	27-Apr	11-May	26-May
LEP Co	0	5	31	2
LEP C1	0	2	11	2
LEP C2	0	0	0	0
LEP NM No ID	0	0	0	0
LEP PAM	0	0	0	0
LEP PAF	0	2	0	0
LEP AM	0	0	1	0
LEP AF	0	0	0	0
<b>TOTAL LEP</b>	<b>0</b>	<b>9</b>	<b>43</b>	<b>4</b>
CAL Co	0	0	0	0
CAL C1	0	0	1	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
<b>TOTAL CAL</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>

Table 18: The number of sea lice found on chinook salmon collected in Nootka Sound, BC in 2022 summarized by sampling site. LEP = *Lepeophtheirus salmonis* CAL= *Caligus clemensi*

Site	Sample Week																TOTAL		
	13-Apr				27-Apr				11-May				26-May				# of Chinook Analyzed	# of Infested Chinook	# of Lice
	# of Chinook Analyzed	# of Infested Chinook	# of LEP	# of CAL	# of Chinook Analyzed	# of Infested Chinook	# of LEP	# of CAL	# of Chinook Analyzed	# of Infested Chinook	# of LEP	# of CAL	# of Chinook Analyzed	# of Infested Chinook	# of LEP	# of CAL			
1	3	0	0	0	17	1	2	0	5	1	1	0	4	0	0	0	29	2	3
2	11	0	0	0	11	0	0	0	3	1	1	0	6	1	1	0	31	2	2
3	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	2	1	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	10	0	0	0	11	1	4	0	25	18	41	0	9	2	2	0	55	21	47
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	1	1	2	0	1	0	0	0	1	1	1	0	3	2	3
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1
TOTAL	25	0	0	0	41	4	9	0	35	21	43	1	20	4	4	0	121	29	57



## 4.0 Conclusions

This report presents the data from the nineteenth year of beach seining and sea lice analysis conducted for wild juvenile salmonid in Nootka Sound, BC by Grieg Seafood. This report is limited to the summary and presentation of the 2022 collected data. Historic sea lice data for infestation rates on chum salmon from 2004 to 2022 is included in Appendix IV.

A total of 668 fish samples underwent lab analysis for sea lice infestation in 2022 including 532 chum, 15 coho, and 121 chinook salmon. A total of 143 individuals were found to be infested with sea lice in the total sample population, resulting in a calculated sea lice prevalence of 21.4 % in 2022. A total of 278 sea lice were found during laboratory analysis resulting in an abundance of 0.42 and an average intensity of 1.9 for the sample population.

Chum salmon smolts were captured in significantly greater numbers than any other species. A total of 1295 chum salmon were captured, representing 90.5 % of all captured salmonids. Of the 1295 chum captured, 552 were retained for lab analysis for sea lice infestation. A total of 112 chum smolts were found to be infested with a total of 219 sea lice resulting in a calculated prevalence of 21.1 %, abundance of 0.41 and an average intensity of 2.0 for the chum salmon sample population.

A total of 15 coho salmon smolts were captured, representing 1 % of all captured samples. All 15 coho captured were retained for lab analysis for sea lice infestation. A total of two coho smolts were found to be infested with two sea lice resulting in a calculated prevalence of 13.3 %, abundance of 0.13, and an average intensity of 1.0 for the coho sample population.

A total of 121 chinook salmon were captured, representing 8.5 % of all captured samples. All 121 chinook salmon were retained for lab analysis for sea lice infestation. A total of 29 chinook smolts were found to be infested with 57 sea lice resulting in a calculated prevalence of 24.0 %, abundance of 0.47 and an average intensity of 2.0 for the sample chinook population.

A total of 270 *Lepeophtheirus salmonis* sea lice of various life stages were identified on 140 juvenile salmon and 8 *Caligus clemensi* sea lice of various life stages were identified on seven. Of the infested juvenile salmon four were found to be infested with at least one *L. salmonis* and *C. clemensi* sea louse (Appendix III).

A total of 212 *Lepeophtheirus salmonis* sea lice of various life stages were identified on 110 juvenile chum salmon and seven *Caligus clemensi* sea lice of various life stages were found on six. Of the infested chum four were found to be infested with at least one *L. salmonis* and *C. clemensi* sea louse.

A total of two *Lepeophtheirus salmonis* sea lice of various life stages were identified on two juvenile coho salmon and no *Caligus clemensi* sea lice were found on the coho samples.

A total of 56 *Lepeophtheirus salmonis* sea lice of various life stages were identified on 28 juvenile chinook salmon and one *Caligus clemensi* sea lice was found on one chinook salmon. Of the infested chinook none were found to be infested with at least one *L. salmonis* and *C. clemensi* sea louse.

## 5.0 References

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Appendix I – Field Data

Date	Time	Site Number	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
13-Apr-22	8:22:00	1	McCurdy Creek	12.1	10.7	10.8	12.69	8.1	10.9			
13-Apr-22	8:54:00	2	Muchalat North	3.6	5.8	11.7	8.8	6.8	11.3	29.3	8.8	10.0
13-Apr-22	9:15:00	3	Houston River	8.3	7.2	11.7	10.8	8.3	11.4	29.8	8.7	8.9
13-Apr-22	9:37:00	4	Silverado Creek	18.9	8.5	10.5	22.7	9.1	9.5			
13-Apr-22	9:58:00	5	Gore Island	11.6	6.0	11.3	23.0	8.6	10.2			
13-Apr-22	10:22:00	6	East Mooyah	12.0	7.2	10.6	21.8	8.2	10.3			
13-Apr-22	10:46:00	7	Zuciarte									
13-Apr-22	11:16:00	8	Hanna	10.1	6.1	11.3	15.2	8.3	10.5			
13-Apr-22	11:54:00	9	Hois Point	13.5	7.6	11.0	26.9	9.4	9.9	30.0	8.9	9.6
13-Apr-22	12:31:00	10	Villaverda Island	23.4	8.5	9.7	27.6	8.9	9.6			
13-Apr-22	13:02:00	11	Jewitt Cove	14.4	7.6	11.6	24.8	8.7	9.5			
27-Apr-22	8:24:00	1	McCurdy Creek	25.3	7.1							
27-Apr-22	9:07:00	2	Muchalat North	8.0	7.6	11.1	21.1	8.3	10.2	8.3	10.2	10.6
27-Apr-22	9:32:00	3	Houston River	10.7	8.6	10.9	16.6	9.1	10.9	28.1	9.4	10.4
27-Apr-22	9:58:00	4	Silverado Creek	14.2	9.5	10.3	16.0	9.2	10.3			
27-Apr-22	10:21:00	5	Gore Island	14.2	8.7	10.4	17.2	8.9	10.2	21.1	9.6	9.5
27-Apr-22	10:53:00	6	East Mooyah	16.5	9.2	10.5	19.3	9.4	10.2			
27-Apr-22	11:17:00	7	Zuciarte	23.9	9.8	9.9	24.8	9.8	9.9			
27-Apr-22	11:55:00	8	Hanna	15.9	10.1	10.9	16.8	10.1	10.8			
27-Apr-22	12:18:00	9	Hois Point	10.9	9.4	10.9	18.3	9.5	10.5	27.6	11.7	11.7
27-Apr-22	12:48:00	10	Villaverda Island	18.8	9.9	10.3	20.3	9.9	10.4			
27-Apr-22	13:07:00	11	Jewitt Cove	17.5	9.3	10.3	17.8	9.6	10.4			
11-May-22	8:19:00	1	McCurdy Creek	5.1	9.2	12.2	7.0	9.7	11.9			
11-May-22	8:51:00	2	Muchalat North	10.0	10.0	12.4	12.1	10.4	11.8	30.4	9.7	11.8
11-May-22	9:07:00	3	Houston River	12.7	10.6	11.4	12.7	10.6	11.7	29.9	10.7	11.9
11-May-22	9:33:00	4	Silverado Creek	14.3	10.1	11.0	14.9	10.2	11.8			
11-May-22	9:55:00	5	Gore Island	15.0	10.1	10.9	19.3	10.8	10.8			
11-May-22	10:31:00	6	East Mooyah	18.1	10.4	10.8	20.4	10.9	10.4			
11-May-22	10:54:00	7	Zuciarte	22.8	10.8	10.6	23.0	10.9	10.6			
11-May-22	11:29:00	8	Hanna	17.1	10.0	10.7	17.8	10.3	10.8			
11-May-22	11:55:00	9	Hois Point	18.4	10.9	10.3	19.5	11.0	10.4	30.3	9.7	11.6
11-May-22	12:15:00	10	Villaverda Island	25.3	11.0	10.7	25.4	11.0	10.7	30.3	10.0	10.6
11-May-22	12:35:00	11	Jewitt Cove	20.5	10.5	9.5	20.8	10.9	9.4	30.4	9.5	9.6
26-May-22	8:23:00	1	McCurdy Creek	3.5	10.5	10.5	3.5	10.5	10.5	4.4	10.9	10.1
26-May-22	8:47:00	2	Muchalat North	8.4	11.3	10.2	8.6	11.4	10.2	21.8	11.5	9.8
26-May-22	9:04:00	3	Houston River	10.2	11.6	9.9	11.0	11.7	10.1	24.4	11.8	9.6
26-May-22	9:27:00	4	Silverado Creek	12.2	11.9	9.7	12.4	11.9	9.8			
26-May-22	9:50:00	5	Gore Island	14.7	11.9	10.0	15.0	11.9	10.0	17.3	12.0	9.7
26-May-22	10:08:00	6	East Mooyah	13.6	12.0	9.5	16.4	12.0	9.5			

Date	Time	Site Number	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
26-May-22	10:32:00	7	Zuciarde	20.0	12.0	9.3	20.0	12.0	9.3			
26-May-22	11:00:00	8	Hanna	13.8	12.2	10.2	14.0	12.1	10.0	15.1	12.2	10.0
26-May-22	11:22:00	9	Hois Point	14.7	12.9	9.7	17.9	12.8	9.6	26.2	11.0	10.2
26-May-22	11:45:00	10	Villaverda Island	20.5	12.9	9.8	21.3	13.0	9.7	26.3	11.6	10.0
26-May-22	12:04:00	11	Jewitt Cove	15.7	12.8	9.9	16.8	12.4	9.8	23.8	12.0	9.7

Appendix II – Capture and Collection Sample Totals

Date	Set Number	Tide Stage	Pink Captured	Pink Retained	Chum Captured	Chum Retained	Coho Captured	Coho Retained	Chinook Captured	Chinook Retained	Sockeye Captured	Sockeye Retained	TSB Captured	TSB Retained	Salmonid Mortalities	Weather Comments	Comments
13-Apr-22	1	High	0	0	45	30	3	3	3	3	0	0	0	0	15	calm, overcast	good set
13-Apr-22	2	High	0	0	45	31	0	0	11	11	0	0	0	0	0	high overcast, .25m chop	good set
13-Apr-22	3	High	0	0	19	19	0	0	1	1	0	0	0	0	0	sun, high cloud	good set
13-Apr-22	4	High	0	0	1	1	0	0	0	0	0	0	0	0	0	sun, calm	sculpin
13-Apr-22	5	High	0	0	49	30	1	1	10	10	0	0	0	0	0	sun, few clouds, calm	shiner perch, merganser at set, few hangups
13-Apr-22	6	High	0	0	1	1	0	0	0	0	0	0	0	0	0	sun, high cloud	some hangups
13-Apr-22	7	High	0	0	6	6	0	0	0	0	0	0	0	0	0	sun, high cloud	sculpin, many hangups
13-Apr-22	8	High	0	0	124	30	0	0	0	0	0	0	0	0	2	sun, high cloud	2 flounder, juvenile lingcod, herring, sculpin
13-Apr-22	9	High	0	0	0	0	0	0	0	0	0	0	0	0	0	sun, high cloud	many hangups
13-Apr-22	10	High	0	0	18	18	0	0	0	0	0	0	0	0	0	Sun, cloud	few hangups, greenling, sculpin, 5 pipefish
13-Apr-22	11	High	0	0	31	30	0	0	0	0	0	0	0	0	0	sun, sparce clouds	4 seals in bay
27-Apr-22	1	High	0	0	200	30	0	0	17	17	0	0	0	0	0	calm, overcast	5 sculpins
27-Apr-22	2	High	0	0	129	30	0	0	11	11	0	0	0	0	0	calm, overcast	
27-Apr-22	3	High	0	0	28	28	0	0	1	1	0	0	0	0	0	overcast, light wind	jellyfish
27-Apr-22	4	High	0	0	4	4	0	0	0	0	0	0	0	0	0	calm, overcast	10 pile perch, sand lance
27-Apr-22	5	High	0	0	67	30	7	7	11	11	0	0	0	0	0	calm, overcast	4 surf perch, 1 herring, jellyfish
27-Apr-22	6	High	0	0	2	2	0	0	0	0	0	0	0	0	1	calm, overcast	
27-Apr-22	7	High	0	0	21	21	0	0	1	1	0	0	0	0	0	calm, overcast	juvenile hake
27-Apr-22	8	High	0	0	2	2	0	0	0	0	0	0	0	0	0	calm, sun	5 sculpins, 4 sand lances
27-Apr-22	9	High	0	0	1	1	0	0	0	0	0	0	0	0	0	sunny, clouds, calm	1 sculpin
27-Apr-22	10	High	0	0	0	0	0	0	0	0	0	0	0	0	0	chop, sun	1 sculpin
27-Apr-22	11	Mid	0	0	280	30	0	0	0	0	0	0	0	0	0	sunny, calm	1 gunnel
11-May-22	1	Mid	0	0	34	30	1	1	5	5	0	0	0	0	0	calm, cloud, rain	4 juvenile ling, 8 sculpin
11-May-22	2	High	0	0	0	0	0	0	3	3	0	0	0	0	0	calm, rain	sculpins, sandlances, juvenile ling
11-May-22	3	High	0	0	3	3	0	0	0	0	0	0	0	0	0	calm, rain	sculpins, moon jelly
11-May-22	4	High	0	0	0	0	0	0	0	0	0	0	0	0	0	calm, rain	2 sculpins
11-May-22	5	High	0	0	80	30	0	0	25	25	0	0	0	0	0	calm, rain	20 chum for fish health
11-May-22	6	High	0	0	1	1	0	0	0	0	0	0	0	0	0	calm, rain	
11-May-22	7	High	0	0	36	30	0	0	1	1	0	0	0	0	0	calm, rain	100 pile perch
11-May-22	8	High	0	0	1	1	0	0	0	0	0	0	0	0	0	rain, clouds	sculpins, juvenile ling
11-May-22	9	High	0	0	0	0	0	0	0	0	0	0	0	0	0	rain, calm	3 sculpins. Fish observed jumping deeper off rocks, unable to reach with seine
11-May-22	10	High	0	0	16	16	0	0	0	0	0	0	0	0	0	rain, calm	sculpins, 8 shiner perch
11-May-22	11	Mid	0	0	34	30	0	0	1	1	0	0	0	0	0	calm, light rain	sculpins, 1 shiner perch
26-May-22	1	Mid	0	0	1	1	0	0	4	4	0	0	0	0	0	calm, overcast	1 sculpin, 3 flatfish, 1 goby
26-May-22	2	High	0	0	2	2	0	0	6	6	0	0	0	0	0	choppy, overcast	5 herring, 4 sandlance
26-May-22	3	High	0	0	3	3	3	3	0	0	0	0	0	0	0	choppy, windy, overcast	no bycatch
26-May-22	4	High	0	0	2	2	0	0	0	0	0	0	0	0	0	calm, overcast	3 sculpins
26-May-22	5	High	0	0	2	2	0	0	9	9	0	0	0	0	0	calm, overcast	2 striped perch, 1 sculpin
26-May-22	6	High	0	0	0	0	0	0	0	0	0	0	0	0	0	wind, calm, overcast	2 pile perch

Date	Set Number	Tide Stage	Pink Captured	Pink Retained	Chum Captured	Chum Retained	Coho Captured	Coho Retained	Chinook Captured	Chinook Retained	Sockeye Captured	Sockeye Retained	TSB Captured	TSB Retained	Salmonid Mortalities	Weather Comments	Comments
26-May-22	7	High	0	0	4	4	0	0	1	1	0	0	0	0	0	calm, overcast	62 pile perch
26-May-22	8	High	0	0	0	0	0	0	0	0	0	0	0	0	0	calm, cloud, sun	10 flatfish, 3 juvenile ling, 1 pipefish
26-May-22	9	High	0	0	0	0	0	0	0	0	0	0	0	0	0	calm, cloud, sun	1 juvenile greenling, 2 sculpins, 1 lflatfish
26-May-22	10	High	0	0	0	0	0	0	0	0	0	0	0	0	0	calm, cloud, sun	1 striped perch, 6 shiner perch, 1 goby, 1 greenling
26-May-22	11	High	0	0	3	3	0	0	0	0	0	0	0	0	0	calm, sun, cloud	bear on beach in bay. 1 juvenile ling, 1 greenling

Appendix III – Sea Lice Analysis

SITE	Site #	WEEK	DATE COLLECTED	DATE EXAMINED	FISH SPECIES	FISH NUMBER	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	TOT LEP	TOT CAL	Comments
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Coho	730	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Coho	731	110	15.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Coho	732	95	9.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chinook	733	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chinook	734	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chinook	735	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	736	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	737	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	738	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	739	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	740	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	741	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	742	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	743	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	744	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	745	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	746	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	747	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	748	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	749	33	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	750	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	751	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	752	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	753	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	754	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	755	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	756	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	758	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	759	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	760	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	761	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	762	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	763	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	764	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	765	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	0	
McCrary Creek	1	1	13-Apr-22	10-Jun-22	Chum	766	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	105	40	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	106	38	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	107	35	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	108	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	0	



SITE	Site #	WEEK	DATE COLLECTED	DATE EXAMINED	FISH SPECIES	FISH NUMBER	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	TOT LEP	TOT CAL	Comments
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	109	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	110	44	0.8	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	111	39	0.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0		
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	112	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	113	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	114	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	115	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	116	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	117	38	0.6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	118	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	119	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	120	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	121	37	0.4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0		
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	122	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	123	41	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	124	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	125	42	0.7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0		
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	126	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	127	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	128	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	129	37	0.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0		
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	130	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	131	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	132	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	133	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chum	134	42	0.9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0		
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chinook	135	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chinook	136	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chinook	137	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chinook	138	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chinook	139	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chinook	140	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chinook	141	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chinook	142	44	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chinook	143	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chinook	144	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chinook	145	46	1.2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0		
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chinook	146	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chinook	147	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chinook	148	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chinook	149	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chinook	150	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	0	
McCurdy Creek	1	2	27-Apr-22	07-Jun-22	Chinook	151	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	0	

SITE	Site #	WEEK	DATE COLLECTED	DATE EXAMINED	FISH SPECIES	FISH NUMBER	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	TOT LEP	TOT CAL	Comments		
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chinook	11	43	0.9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0			
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chinook	12	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	0	0		
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chinook	13	42	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chinook	14	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	0	0		
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chinook	15	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Coho	16	118	24.3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0			
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	17	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	18	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	19	41	0.7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0				
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	20	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	21	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	22	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	23	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	24	41	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	25	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	26	45	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	27	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	28	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	29	53	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	30	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	31	41	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	32	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	33	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	34	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	35	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	36	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	37	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	38	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	39	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	40	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	41	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	42	52	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	43	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	44	41	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	45	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	0	0	0	
McCurdy Creek	1	3	11-May-22	03-Jun-22	Chum	46	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	0	0	0	
McCurdy Creek	1	4	26-May-22	06-Jun-22	Chum	49	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	0	0	0	
McCurdy Creek	1	4	26-May-22	06-Jun-22	Chinook	50	33	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
McCurdy Creek	1	4	26-May-22	06-Jun-22	Chinook	51	41	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
McCurdy Creek	1	4	26-May-22	06-Jun-22	Chinook	52	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	0	0	0	
McCurdy Creek	1	4	26-May-22	06-Jun-22	Chinook	53	41	0.7	0	0																								

SITE	Site #	WEEK	DATE COLLECTED	DATE EXAMINED	FISH SPECIES	FISH NUMBER	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	TOT LEP	TOT CAL	Comments
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	882	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	883	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	884	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	885	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	886	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	887	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	888	40	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	889	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	890	35	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	891	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	892	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	893	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	894	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	895	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	896	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	897	31	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	898	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	899	45	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	900	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	901	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	902	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	903	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	904	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	905	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	906	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	907	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	908	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	909	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chum	910	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chinook	955	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chinook	956	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chinook	957	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chinook	958	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chinook	959	39	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chinook	960	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chinook	961	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chinook	962	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chinook	963	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chinook	964	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	0	0
North Muchalat	2	1	13-Apr-22	10-Jun-22	Chinook	965	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chinook	785	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chinook	786	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chinook	787	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	0	0

SITE	Site #	WEEK	DATE COLLECTED	DATE EXAMINED	FISH SPECIES	FISH NUMBER	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	TOT LEP	TOT CAL	Comments
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chinook	788	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chinook	789	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chinook	790	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chinook	791	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chinook	792	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chinook	793	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chinook	794	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chinook	795	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	796	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	797	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	798	42	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	799	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	800	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	801	38	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	802	41	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	803	38	0.4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	804	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	805	38	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	806	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	807	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	808	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	809	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	810	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	811	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	812	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	813	40	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	814	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	815	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	816	39	0.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	817	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	818	38	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	819	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	820	31	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	821	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	822	41	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	823	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	824	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	0	0
North Muchalat	2	2	27-Apr-22	10-Jun-22	Chum	825	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	0	0
North Muchalat	2	3	11-May-22	08-Jun-22	Chinook	287	52	1.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Muchalat	2	3	11-May-22	08-Jun-22	Chinook	288	49	1.5	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
North Muchalat	2	3	11-May-22	08-Jun-22	Chinook	289	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	0	0
North Muchalat	2	4	26-May-22	10-Jun-22	Chum	566	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	0	0
North Muchalat	2	4	26-May-22	10-Jun-22	Chum	567	49	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SITE	Site #	WEEK	DATE COLLECTED	DATE EXAMINED	FISH SPECIES	FISH NUMBER	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	TOT LEP	TOT CAL	Comments
North Muchalat	2	4	26-May-22	10-Jun-22	Chinook	568	53	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Muchalat	2	4	26-May-22	10-Jun-22	Chinook	569	60	3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Muchalat	2	4	26-May-22	10-Jun-22	Chinook	570	69	4.3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
North Muchalat	2	4	26-May-22	10-Jun-22	Chinook	571	49	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Muchalat	2	4	26-May-22	10-Jun-22	Chinook	572	65	3.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Muchalat	2	4	26-May-22	10-Jun-22	Chinook	573	47	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Houston River	3	1	13-Apr-22	08-Jun-22	Chinook	237	48	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Houston River	3	1	13-Apr-22	08-Jun-22	Chum	238	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	0	0
Houston River	3	1	13-Apr-22	08-Jun-22	Chum	239	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	0	0
Houston River	3	1	13-Apr-22	08-Jun-22	Chum	240	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	0	0
Houston River	3	1	13-Apr-22	08-Jun-22	Chum	241	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	0	0
Houston River	3	1	13-Apr-22	08-Jun-22	Chum	242	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	0	0
Houston River	3	1	13-Apr-22	08-Jun-22	Chum	243	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	0	0
Houston River	3	1	13-Apr-22	08-Jun-22	Chum	244	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	0	0
Houston River	3	1	13-Apr-22	08-Jun-22	Chum	245	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	0	0
Houston River	3	1	13-Apr-22	08-Jun-22	Chum	246	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	0	0
Houston River	3	1	13-Apr-22	08-Jun-22	Chum	247	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	0	0
Houston River	3	1	13-Apr-22	08-Jun-22	Chum	248	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	0	0
Houston River	3	1	13-Apr-22	08-Jun-22	Chum	249	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	0	0
Houston River	3	1	13-Apr-22	08-Jun-22	Chum	250	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	0	0
Houston River	3	1	13-Apr-22	08-Jun-22	Chum	251	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	0	0
Houston River	3	1	13-Apr-22	08-Jun-22	Chum	252	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	0	0
Houston River	3	1	13-Apr-22	08-Jun-22	Chum	253	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	0	0
Houston River	3	1	13-Apr-22	08-Jun-22	Chum	254	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	0	0
Houston River	3	1	13-Apr-22	08-Jun-22	Chum	255	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	0	0
Houston River	3	1	13-Apr-22	08-Jun-22	Chum	256	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	0	0
Houston River	3	2	27-Apr-22	08-Jun-22	Chinook	330	44	1.1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	331	39	0.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	332	44	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	333	38	0.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	334	51	1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	335	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	0	0
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	336	43	0.9	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	337	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	0	0
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	338	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	0	0
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	339	55	1.8	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	340	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	0	0
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	341	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	0	0
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	342	48	1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	343	43	1.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	344	43	1.0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	345	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	0	0
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	346	43	0.9	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	

SITE	Site #	WEEK	DATE COLLECTED	DATE EXAMINED	FISH SPECIES	FISH NUMBER	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	TOT LEP	TOT CAL	Comments	
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	347	46	1.0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0			
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	348	43	1.0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0				
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	349	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	0		
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	350	38	0.7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0				
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	351	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	0		
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	352	43	0.9	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0				
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	353	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	0		
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	354	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	0		
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	355	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	0	0	
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	356	45	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	357	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	0	0	
Houston River	3	2	27-Apr-22	08-Jun-22	Chum	358	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	0	0	
Houston River	3	3	11-May-22	03-Jun-22	Chum	8	51	1.3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0				
Houston River	3	3	11-May-22	03-Jun-22	Chum	9	52	1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Houston River	3	3	11-May-22	03-Jun-22	Chum	10	48	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Houston River	3	4	26-May-22	08-Jun-22	Chum	366	85	6.0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1				
Houston River	3	4	26-May-22	08-Jun-22	Chum	367	71	3.8	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0				
Houston River	3	4	26-May-22	08-Jun-22	Chum	368	75	4.3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0				
Houston River	3	4	26-May-22	09-Jun-22	Coho	369	86	6.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Houston River	3	4	26-May-22	09-Jun-22	Coho	370	80	5.7	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0				
Houston River	3	4	26-May-22	09-Jun-22	Coho	371	94	9.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Silverado	4	1	13-Apr-22	10-Jun-22	Chum	966	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	0	0	
Silverado Creek	4	2	27-Apr-22	09-Jun-22	Chum	561	37	0.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0				
Silverado Creek	4	2	27-Apr-22	09-Jun-22	Chum	562	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	0	0	
Silverado Creek	4	2	27-Apr-22	09-Jun-22	Chum	563	46	1.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0				
Silverado Creek	4	2	27-Apr-22	09-Jun-22	Chum	564	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	0	0	
Silverado Creek	4	4	26-May-22	08-Jun-22	Chum	364	45	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Silverado Creek	4	4	26-May-22	08-Jun-22	Chum	365	51	1.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gore Island	5	4	26-May-22	07-Jun-22	Chinook	152	41	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gore Island	5	4	26-May-22	07-Jun-22	Chinook	153	44	1.3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0				
Gore Island	5	4	26-May-22	07-Jun-22	Chinook	154	46	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gore Island	5	4	26-May-22	07-Jun-22	Chinook	155	65	3.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gore Island	5	4	26-May-22	07-Jun-22	Chinook	156	41	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gore Island	5	4	26-May-22	07-Jun-22	Chinook	157	46	1.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gore Island	5	4	26-May-22	07-Jun-22	Chinook	158	47	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gore Island	5	4	26-May-22	07-Jun-22	Chinook	159	45	1.3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0				
Gore Island	5	4	26-May-22	07-Jun-22	Chinook	160	45	1.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gore Island	5	4	26-May-22	07-Jun-22	Chum	161	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	0	0	
Gore Island	5	4	26-May-22	07-Jun-22	Chum	162	37	0.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0				
Gore Island	5	1	13-Apr-22	10-Jun-22	Coho	914	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	0	0	
Gore Island	5	1	13-Apr-22	10-Jun-22	Chinook	915	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	0	0	
Gore Island	5	1	13-Apr-22	10-Jun-22	Chinook	916	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	0	0	
Gore Island	5	1	13-Apr-22	10-Jun-22	Chinook	917	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	0	0	

SITE	Site #	WEEK	DATE COLLECTED	DATE EXAMINED	FISH SPECIES	FISH NUMBER	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	TOT LEP	TOT CAL	Comments
Gore Island	5	1	13-Apr-22	10-Jun-22	Chinook	918	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chinook	919	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chinook	920	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chinook	921	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chinook	922	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chinook	923	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chinook	924	41	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	925	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	926	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	927	36	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	928	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	929	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	930	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	931	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	932	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	933	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	934	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	935	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	936	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	937	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	938	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	939	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	940	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	941	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	942	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	943	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	944	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	945	38	0.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	946	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	947	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	948	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	949	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	950	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	951	39	0.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	952	40	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	953	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	0	0
Gore Island	5	1	13-Apr-22	10-Jun-22	Chum	954	36	0.4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	427	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	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	428	35	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	429	35	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	430	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	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	431	31	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	432	32	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



SITE	Site #	WEEK	DATE COLLECTED	DATE EXAMINED	FISH SPECIES	FISH NUMBER	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	TOT LEP	TOT CAL	Comments
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	433	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	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	434	35	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	435	35	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	436	28	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	437	37	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	438	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	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	439	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	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	440	30	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	441	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	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	442	35	1.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	443	30	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	444	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	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	445	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	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	446	37	0.8	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	447	34	0.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	448	31	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	449	33	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	450	34	0.4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	451	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	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	452	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	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	453	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	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	454	34	0.6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	455	36	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chum	456	30	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Coho	457	71	5.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Coho	458	75	5.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Coho	459	66	4.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Coho	460	97	11.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Coho	461	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	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Coho	462	67	4.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Coho	463	96	11.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chinook	464	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	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chinook	465	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	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chinook	466	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	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chinook	467	37	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chinook	468	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	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chinook	469	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	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chinook	470	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	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chinook	471	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	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chinook	472	47	1.4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chinook	473	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	0	0
Gore Island	5	2	27-Apr-22	09-Jun-22	Chinook	474	36	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	372	41	0.9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0



SITE	Site #	WEEK	DATE COLLECTED	DATE EXAMINED	FISH SPECIES	FISH NUMBER	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	TOT LEP	TOT CAL	Comments
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	373	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	0	0
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	374	48	1.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	375	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	0	0
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	376	38	0.7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	377	46	1.3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	378	42	0.8	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	379	37	0.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	380	38	0.7	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	381	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	0	0
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	382	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	0	0
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	383	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	0	0
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	384	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	0	0
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	385	41	0.9	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	386	42	0.9	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	387	38	0.7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	388	50	1.5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0		
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	389	39	0.8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	390	41	0.9	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0		
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	391	41	1.2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	392	43	1.0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	393	50	1.8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	394	41	1.0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	395	47	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	5	3	11-May-22	09-Jun-22	Chinook	396	42	0.9	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chum	397	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	0	0
Gore Island	5	3	11-May-22	09-Jun-22	Chum	398	37	0.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chum	399	38	0.6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chum	400	40	0.6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chum	401	46	1.0	4	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chum	402	37	0.6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chum	403	41	0.7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chum	404	38	0.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chum	405	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	0	0
Gore Island	5	3	11-May-22	09-Jun-22	Chum	406	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	0	0
Gore Island	5	3	11-May-22	09-Jun-22	Chum	407	46	1.2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chum	408	37	0.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chum	409	41	0.8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chum	410	39	0.6	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chum	411	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	0	0
Gore Island	5	3	11-May-22	09-Jun-22	Chum	412	36	0.5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chum	413	40	0.7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chum	414	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	0	0
Gore Island	5	3	11-May-22	09-Jun-22	Chum	415	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	0	0

SITE	Site #	WEEK	DATE COLLECTED	DATE EXAMINED	FISH SPECIES	FISH NUMBER	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	TOT LEP	TOT CAL	Comments
Gore Island	5	3	11-May-22	09-Jun-22	Chum	416	41	0.6	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chum	417	36	0.4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0		
Gore Island	5	3	11-May-22	09-Jun-22	Chum	418	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	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chum	419	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	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chum	420	40	0.6	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0		
Gore Island	5	3	11-May-22	09-Jun-22	Chum	421	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	0	
Gore Island	5	3	11-May-22	09-Jun-22	Chum	422	36	0.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0		
Gore Island	5	3	11-May-22	09-Jun-22	Chum	423	37	0.6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0		
Gore Island	5	3	11-May-22	09-Jun-22	Chum	424	40	0.7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0		
Gore Island	5	3	11-May-22	09-Jun-22	Chum	425	43	0.9	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0		
Gore Island	5	3	11-May-22	09-Jun-22	Chum	426	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	0	
East Mooyah	6	1	13-Apr-22	10-Jun-22	Chum	604	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	0	
East Mooyah	6	2	27-Apr-22	07-Jun-22	Chum	73	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	0	
East Mooyah	6	2	27-Apr-22	07-Jun-22	Chum	74	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	0	
East Mooyah	6	3	11-May-22	06-Jun-22	Chum	48	38	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Zucarte	7	4	26-May-22	08-Jun-22	Chinook	359	38	0.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0		
Zucarte	7	4	26-May-22	08-Jun-22	Chum	360	40	0.7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0		
Zucarte	7	4	26-May-22	08-Jun-22	Chum	361	48	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Zucarte	7	4	26-May-22	08-Jun-22	Chum	362	47	1.0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0		
Zucarte	7	4	26-May-22	08-Jun-22	Chum	363	44	0.8	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0		
Zucarte	7	3	11-May-22	07-Jun-22	Chinook	170	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	0	
Zucarte	7	3	11-May-22	07-Jun-22	Chum	171	41	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Zucarte	7	3	11-May-22	07-Jun-22	Chum	172	40	0.6	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0		
Zucarte	7	3	11-May-22	07-Jun-22	Chum	173	41	0.7	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0		
Zucarte	7	3	11-May-22	07-Jun-22	Chum	174	38	0.4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0		
Zucarte	7	3	11-May-22	07-Jun-22	Chum	175	38	0.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0		
Zucarte	7	3	11-May-22	07-Jun-22	Chum	176	51	1.4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0		
Zucarte	7	3	11-May-22	07-Jun-22	Chum	177	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	0	
Zucarte	7	3	11-May-22	07-Jun-22	Chum	178	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	0	
Zucarte	7	3	11-May-22	07-Jun-22	Chum	179	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	0	
Zucarte	7	3	11-May-22	07-Jun-22	Chum	180	41	0.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0		
Zucarte	7	3	11-May-22	07-Jun-22	Chum	181	40	0.7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0		
Zucarte	7	3	11-May-22	07-Jun-22	Chum	182	37	0.5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0		
Zucarte	7	3	11-May-22	07-Jun-22	Chum	183	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	0	
Zucarte	7	3	11-May-22	07-Jun-22	Chum	184	42	0.8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0		
Zucarte	7	3	11-May-22	07-Jun-22	Chum	185	40	0.7	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0		
Zucarte	7	3	11-May-22	07-Jun-22	Chum	186	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	0	
Zucarte	7	3	11-May-22	07-Jun-22	Chum	187	44	1.0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0		
Zucarte	7	3	11-May-22	07-Jun-22	Chum	188	40	0.6	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0		
Zucarte	7	3	11-May-22	07-Jun-22	Chum	189	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	0	
Zucarte	7	3	11-May-22	07-Jun-22	Chum	190	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	0	
Zucarte	7	3	11-May-22	07-Jun-22	Chum	191	42	0.7	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1		
Zucarte	7	3	11-May-22	07-Jun-22	Chum	192	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	0	

SITE	Site #	WEEK	DATE COLLECTED	DATE EXAMINED	FISH SPECIES	FISH NUMBER	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	TOT LEP	TOT CAL	Comments	
ZuciarTE	7	3	11-May-22	07-Jun-22	Chum	193	42	0.7	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	1	1	
ZuciarTE	7	3	11-May-22	07-Jun-22	Chum	194	40	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ZuciarTE	7	3	11-May-22	07-Jun-22	Chum	195	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	0	0	
ZuciarTE	7	3	11-May-22	07-Jun-22	Chum	196	46	1.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0		
ZuciarTE	7	3	11-May-22	07-Jun-22	Chum	197	39	0.7	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0		
ZuciarTE	7	3	11-May-22	07-Jun-22	Chum	198	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	0	0	
ZuciarTE	7	3	11-May-22	07-Jun-22	Chum	199	41	0.8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0			
ZuciarTE	7	3	11-May-22	07-Jun-22	Chum	200	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	0	0	
ZuciarTE	7	1	13-Apr-22	10-Jun-22	Chum	724	30	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ZuciarTE	7	1	13-Apr-22	10-Jun-22	Chum	725	30	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ZuciarTE	7	1	13-Apr-22	10-Jun-22	Chum	726	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	0	0	
ZuciarTE	7	1	13-Apr-22	10-Jun-22	Chum	727	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	0	0	
ZuciarTE	7	1	13-Apr-22	10-Jun-22	Chum	728	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	0	0	
ZuciarTE	7	1	13-Apr-22	10-Jun-22	Chum	729	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	0	0	
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chinook	826	47	1.5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0			
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	827	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	0	0	
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	828	37	0.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0			
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	829	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	0	0	
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	830	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	0	0	
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	831	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	0	0	
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	832	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	0	0	
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	833	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	0	0	
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	834	35	0.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0			
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	835	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	0	0	
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	836	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	0	0	
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	837	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	0	0	
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	838	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	0	0	
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	839	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	0	0	
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	840	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	0	0	
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	841	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	0	0	
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	842	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	0	0	
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	843	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	0	0	
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	844	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	0	0	
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	845	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	0	0	
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	846	38	0.7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0			
ZuciarTE	7	2	27-Apr-22	10-Jun-22	Chum	847	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	0	0	
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	574	44	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	575	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	0	0	
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	576	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	0	0	
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	577	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	0	0	
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	578	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	0	0	
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	579	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	0	0	
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	580	37	0.6	0	0	0	0	0	0	0																		

SITE	Site #	WEEK	DATE COLLECTED	DATE EXAMINED	FISH SPECIES	FISH NUMBER	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	TOT LEP	TOT CAL	Comments
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	581	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	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	582	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	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	583	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	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	584	41	0.7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	585	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	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	586	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	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	587	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	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	588	50	1.2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	589	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	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	590	41	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	591	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	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	592	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	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	593	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	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	594	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	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	595	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	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	596	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	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	597	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	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	598	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	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	599	36	0.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	600	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	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	601	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	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	602	46	1.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Hanna Channel	8	1	13-Apr-22	10-Jun-22	Chum	603	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	0	0
Hanna Channel	8	2	27-Apr-22	09-Jun-22	Chum	559	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	0	0
Hanna Channel	8	2	27-Apr-22	09-Jun-22	Chum	560	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	0	0
Hanna Channel	8	3	11-May-22	03-Jun-22	Chum	47	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	0	0
Hois Point	9	2	27-Apr-22	09-Jun-22	Chum	565	30	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Villaverda Island	10	1	13-Apr-22	10-Jun-22	Chum	767	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	0	0
Villaverda Island	10	1	13-Apr-22	10-Jun-22	Chum	768	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	0	0
Villaverda Island	10	1	13-Apr-22	10-Jun-22	Chum	769	40	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Villaverda Island	10	1	13-Apr-22	10-Jun-22	Chum	770	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	0	0
Villaverda Island	10	1	13-Apr-22	10-Jun-22	Chum	771	38	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Villaverda Island	10	1	13-Apr-22	10-Jun-22	Chum	772	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	0	0
Villaverda Island	10	1	13-Apr-22	10-Jun-22	Chum	773	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	0	0
Villaverda Island	10	1	13-Apr-22	10-Jun-22	Chum	774	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	0	0
Villaverda Island	10	1	13-Apr-22	10-Jun-22	Chum	775	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	0	0
Villaverda Island	10	1	13-Apr-22	10-Jun-22	Chum	776	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	0	0
Villaverda Island	10	1	13-Apr-22	10-Jun-22	Chum	777	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	0	0
Villaverda Island	10	1	13-Apr-22	10-Jun-22	Chum	778	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	0	0
Villaverda Island	10	1	13-Apr-22	10-Jun-22	Chum	779	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	0	0
Villaverda Island	10	1	13-Apr-22	10-Jun-22	Chum	780	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	0	0
Villaverda Island	10	1	13-Apr-22	10-Jun-22	Chum	781	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	0	0
Villaverda Island	10	1	13-Apr-22	10-Jun-22	Chum	782	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	0	0

SITE	Site #	WEEK	DATE COLLECTED	DATE EXAMINED	FISH SPECIES	FISH NUMBER	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	TOT LEP	TOT CAL	Comments
Villaverda Island	10	1	13-Apr-22	10-Jun-22	Chum	783	40	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Villaverda Island	10	1	13-Apr-22	10-Jun-22	Chum	784	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	0	0
Villaverde Island	10	3	11-May-22	06-Jun-22	Chum	57	42	0.8	1	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	
Villaverde Island	10	3	11-May-22	06-Jun-22	Chum	58	60	2.7	1	2	5	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	
Villaverde Island	10	3	11-May-22	06-Jun-22	Chum	59	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	0	0
Villaverde Island	10	3	11-May-22	06-Jun-22	Chum	60	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	0	0
Villaverde Island	10	3	11-May-22	06-Jun-22	Chum	61	35	0.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Villaverde Island	10	3	11-May-22	06-Jun-22	Chum	62	42	1.0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	
Villaverde Island	10	3	11-May-22	06-Jun-22	Chum	63	40	0.8	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	
Villaverde Island	10	3	11-May-22	06-Jun-22	Chum	64	36	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Villaverde Island	10	3	11-May-22	06-Jun-22	Chum	65	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	0	0
Villaverde Island	10	3	11-May-22	06-Jun-22	Chum	66	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	0	0
Villaverde Island	10	3	11-May-22	06-Jun-22	Chum	67	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	0	0
Villaverde Island	10	3	11-May-22	06-Jun-22	Chum	68	40	0.8	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	
Villaverde Island	10	3	11-May-22	06-Jun-22	Chum	69	45	1.2	0	0	3	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	6	4	2	
Villaverde Island	10	3	11-May-22	06-Jun-22	Chum	70	40	0.7	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	
Villaverde Island	10	3	11-May-22	06-Jun-22	Chum	71	39	0.6	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Villaverde Island	10	3	11-May-22	06-Jun-22	Chum	72	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	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	605	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	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	606	32	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	607	39	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	608	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	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	609	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	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	610	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	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	611	38	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	612	37	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	613	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	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	614	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	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	615	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	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	616	36	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	617	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	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	618	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	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	619	36	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	620	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	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	621	33	0.2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	622	39	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	623	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	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	624	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	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	625	40	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	626	37	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	627	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	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	628	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	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	629	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	0	0

SITE	Site #	WEEK	DATE COLLECTED	DATE EXAMINED	FISH SPECIES	FISH NUMBER	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	TOT LEP	TOT CAL	Comments
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	630	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	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	631	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	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	632	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	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	633	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	0	0
Jewitt Cove	11	1	13-Apr-22	10-Jun-22	Chum	634	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	635	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	636	36	0.5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	637	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	638	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	639	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	640	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	641	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	642	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	643	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	644	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	645	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	646	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	647	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	648	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	649	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	650	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	651	35	0.5	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	652	36	0.5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	653	35	0.4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	654	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	655	35	0.4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	656	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	657	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	658	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	659	57	1.7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	660	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	661	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	662	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	663	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	0	0
Jewitt Cove	11	2	27-Apr-22	10-Jun-22	Chum	664	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	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chinook	299	39	0.6	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	300	38	0.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	301	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	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	302	42	0.7	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	2	1	
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	303	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	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	304	40	0.6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	305	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	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	306	36	0.5	0	0	0	0	0	0	0																	

SITE	Site #	WEEK	DATE COLLECTED	DATE EXAMINED	FISH SPECIES	FISH NUMBER	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	TOT LEP	TOT CAL	Comments
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	307	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	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	308	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	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	309	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	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	310	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	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	311	50	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	312	44	1.0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	313	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	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	314	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	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	315	42	0.7	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	316	48	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	317	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	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	318	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	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	319	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	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	320	38	0.7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	321	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	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	322	41	0.8	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	323	40	0.7	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	324	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	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	325	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	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	326	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	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	327	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	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	328	41	0.7	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0
Jewitt Cove	11	3	11-May-22	08-Jun-22	Chum	329	42	0.8	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0
Jewitt Cove	11	4	26-May-22	06-Jun-22	Chum	54	46	1.2	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0
Jewitt Cove	11	4	26-May-22	06-Jun-22	Chum	55	52	1.4	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	1	1	0	0
Jewitt Cove	11	4	26-May-22	06-Jun-22	Chum	56	58	2.4	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0



## Appendix IV – Historical Comparison (2004-2022)

A comparison of the historical results of analysis for sea lice infestation on chum salmon collected by beach seine in Nootka Sound, BC from 2004 to 2022.

Year	Sample size	Total # of fish infested	Total # of lice observed	Prevalence (%)	Abundance	Average Intensity
2004	1088	11	15	1.0	0.01	1.4
2005	1057	118	152	1.7	0.14	1.3
2006	1512	139	209	9.2	0.13	1.5
2007	2883	52	63	1.8	0.02	1.2
2008	2328	102	125	4.4	0.05	1.2
2009	2278	99	126	4.3	0.05	1.3
2010	1885	97	118	5.1	0.06	1.2
2011	1974	57	65	2.9	0.03	1.1
2012	1567	22	26	1.4	0.02	1.2
2013	1004	15	15	1.5	0.02	1.0
2014	705	3	3	0.4	0.004	1.0
2015	390	18	25	4.6	0.06	1.4
2016	547	62	73	11.3	0.13	1.2
2017	899	5	5	0.6	0.006	1.0
2018	409	50	128	12.2	0.31	2.6
2019	399	36	42	9.0	0.11	1.2
2020	200	95	311	47.5	1.56	3.3
2021	675	6	8	0.9	0.01	1.3
2022	668	143	278	21.4	0.42	1.9
<b>Total</b>	<b>22464</b>	<b>1130</b>	<b>1787</b>	<b>5.0</b>	<b>0.08</b>	<b>1.6</b>