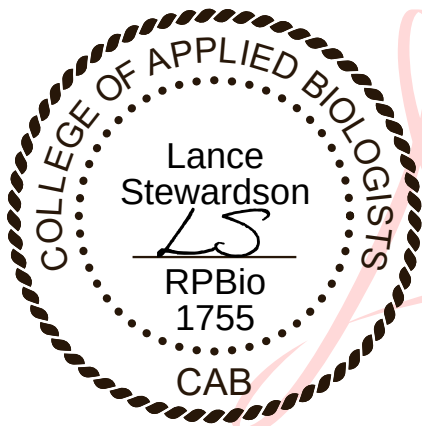


Wild Juvenile Salmonid Monitoring Program 2026 Muchalat Inlet, BC

Report Date: July 16, 2026

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Summary

Beach seine sampling was conducted on behalf of Cermaq British Columbia Ltd. in Muchalat Inlet, BC in 2026. Sampling was completed to monitor sea lice abundance, prevalence, and intensity on juvenile wild salmon within Muchalat Inlet. Sampling was conducted during three separate sampling events in March, April, and May 2026, selected to coincide with the peak outmigration period of juvenile salmonids. Sampling was completed at eight sites located within Muchalat Inlet, two sites in Zuciarte Channel, one site in Hanna Channel, two sites in Tlupana Inlet, and one site in Tahsis Inlet. The sites were selected based on their locations relative to existing aquaculture sites in the area.

Thirty individuals from each target fish species (Pacific salmonids) or the total number of captured individuals from each target species (if less than 30 were captured) were collected from each of the three sites during the sampling events. Total catch numbers of each species were recorded. Water quality measurements including surface and one meter depth temperature, dissolved oxygen, and salinity were recorded at each site during each sampling event.

Collected sample fish were frozen and retained for laboratory analysis. Sea lice observed on the individual fish specimens during laboratory analysis were identified as either *Lepeophtheirus* spp. or *Caligus* sp. These lice are assumed to be *Lepeophtheirus salmonis* and *Caligus clemensi* due to the lack of documented infestation of Pacific salmon by other species. The lice were identified to life stage, and the sex of pre-adult or adult motile lice was determined.

This data summary report documents the observed sea lice infestation on retained wild juvenile salmon collected in Muchalat Inlet, BC in 2026. A total of 407 wild juvenile salmonids underwent lab analysis for sea lice infestation including six chinook salmon, 397 chum salmon and four coho salmon. No Atlantic salmon (*Salmo salar*), pink salmon, or sockeye salmon were captured during sampling completed in Muchalat Inlet, BC in 2026. From the total sample population, 181 salmonids were infested with 530 sea lice. The calculated prevalence for the total sample population was 44.5 %, the sea lice abundance was 1.30, and the average intensity was 2.9 for the sample population collected in Muchalat Inlet, BC in 2026.

A total of six chinook salmon were captured, representing 0.4 % of all captured salmonids. All the chinook captured were kept for lab analysis for sea lice infestation. A total of five chinook smolts were found to be infested with a total of 33 lice resulting in a calculated prevalence of 83.3. %, abundance of 5.50 and an average intensity of 6.6 for the chinook salmon sample population.

Chum salmon smolts were captured in greater numbers than any other species. A total of 1500 chum salmon were captured, representing 99.3 % of all captured salmonids. Of the 1500 chum captured, 397 were kept for lab analysis for sea lice infestation. A total of 173 chum smolts were found to be infested with a total of 467 lice resulting in a calculated prevalence of 43.6 %, abundance of 1.18 and an average intensity of 2.7 for the chum salmon sample population.

A total of four coho salmon were captured, representing 0.3 % of all captured samples. All the coho salmon captured were kept for lab analysis for sea lice infestation. A total of three coho salmon were found to be infested with a total of 30 lice resulting in a

calculated prevalence of 75.0 %, abundance of 7.50 and an average intensity of 10.0 for the coho salmon sample population.

A total of 521 *Lepeophtheirus salmonis* sea lice of various life stages were identified on 180 juvenile salmon. A total of nine *Caligus clemensi* sea lice of various life stages were identified on nine juvenile salmon. Of the infested juvenile salmon, eight juvenile salmon were found to be infested with both *L. salmonis* and *C. clemensi* sea lice (Appendix III).

A total of 33 *Lepeophtheirus salmonis* sea lice of various life stages were identified on five juvenile chinook salmon. No *Caligus clemensi* sea lice were found on the juvenile chinook salmon. None of the infested chinook were found to be infested with both *L. salmonis* and *C. clemensi* sea lice.

A total of 458 *Lepeophtheirus salmonis* sea lice of various life stages were identified on 172 juvenile chum salmon and nine *Caligus clemensi* sea lice of various life stages were found on nine juvenile chum salmon. Of the infested chum, eight were found to be infested with both *L. salmonis* and *C. clemensi* sea lice.

A total of 30 *Lepeophtheirus salmonis* sea lice of various life stages were identified on three juvenile coho salmon. No *Caligus clemensi* sea lice were found on the juvenile coho salmon. None of the infested coho were found to be infested with both *L. salmonis* and *C. clemensi* sea lice.

Table of Contents

Summary.....	i
Table of Contents	iii
List of Figures	iv
List of Tables	v
1.0 Introduction.....	1
2.0 Methods.....	3
2.1 Site Locations	3
2.2 Field Procedures.....	5
2.3 Laboratory Procedures	6
2.4 Data Analysis.....	7
3.0 Results	9
3.1 Water Quality Parameters.....	9
3.2 Fish Sample Composition	12
3.3 Fish Sample Size Statistics.....	14
3.3.1 <i>Chinook Salmon</i>	14
3.3.2 <i>Chum Salmon</i>	14
3.3.3 <i>Coho Salmon</i>	14
3.4 Sea Lice Infestation	16
3.4.1 <i>Infestation Rate on Chinook Salmon</i>	16
3.4.2 <i>Infestation Rate on Chum Salmon</i>	17
3.4.3 <i>Infestation Rate on Coho Salmon</i>	18
3.5 Infestation by Sea Lice Species	20
3.5.1 <i>Infestation by Life Stage on Chinook Salmon</i>	20
3.5.2 <i>Infestation by Life Stage on Chum Salmon</i>	22
3.5.3 <i>Infestation by Life Stage on Coho Salmon</i>	24
4.0 References	26
Appendix I – Field Data	I
Appendix II – Capture and Collection Sample Totals	II
Appendix III – Sea Lice Analysis	IV

List of Figures

Figure 1:	An overview map showing the location of Muchalat Inlet on the west coast of Vancouver Island, BC.....	2
Figure 2:	The locations of the 14 beach seine sites in Muchalat Inlet, BC sampled in 2026.....	4

List of Tables

Table 1:	The site name and location of the 14 beach seine sites where fish were collected for sea lice analysis in Muchalat Inlet, BC in 2026.	3
Table 2:	Surface water quality parameters collected during 2026 beach seine sampling in Muchalat Inlet, BC.	10
Table 3:	One meter water quality parameters collected during 2026 beach seine sampling in Muchalat Inlet, BC.	11
Table 4:	The total of collected individuals of each fish species captured in Muchalat Inlet, BC in 2026, and the percentage of the total capture population that they represent.	12
Table 5:	The number of captured fish and the number of individual fish collected by species from each of the 14 sample sites in Muchalat Inlet, BC in 2026.	13
Table 6:	Average lengths of chinook, chum, and coho salmon collected in Muchalat Inlet, BC in 2026, summarized by sampling event.	15
Table 7:	Average weights of chinook, chum, and coho salmon collected in Muchalat Inlet, BC in 2026, summarized by sampling event.	15
Table 8:	Results of analysis for sea lice infestation on fish collected by beach seine in Muchalat Inlet, BC in 2026.	16
Table 9:	Total number, prevalence, abundance, and intensity of sea lice infestation on chinook salmon collected in Muchalat Inlet, BC in 2026, summarized by sampling site.	17
Table 10:	Total number, prevalence, abundance, and intensity of sea lice infestation on chum salmon collected in Muchalat Inlet, BC in 2026, summarized by sampling site.	18
Table 11:	Total number, prevalence, abundance, and intensity of sea lice infestation on coho salmon collected in Muchalat Inlet, BC in 2026, summarized by sampling site.	19
Table 12:	The number of <i>L. salmonis</i> (LEP) and <i>C. clemensi</i> (CAL) in each life stage identified on the chinook salmon sample population in Muchalat Inlet, BC in 2026.	20
Table 13:	The number of sea lice found on chinook salmon collected in Muchalat Inlet, BC in 2026, summarized by sampling site.	21
Table 14:	The number of <i>L. salmonis</i> (LEP) and <i>C. clemensi</i> (CAL) in each life stage identified on the chum salmon sample population in Muchalat Inlet, BC in 2026.	22
Table 15:	The number of sea lice found on chum salmon collected in Muchalat Inlet, BC in 2026, summarized by sampling site.	23

Table 16: The number of <i>L. salmonis</i> (LEP) and <i>C. clemensi</i> (CAL) in each life stage identified on the coho salmon sample population in Muchalat Inlet, BC in 2026.	24
Table 17: The number of sea lice found on coho salmon collected in Muchalat Inlet, BC in 2026, summarized by sampling site.	25

1.0 Introduction

Beach seine sampling was conducted at 14 sites in Muchalat Inlet, BC in 2026 (Figure 1) to capture wild juvenile salmon on behalf of Cermaq British Columbia Ltd. Retained fish were analyzed by Mainstream Biological Consulting (MBC) for sea lice infestation. Three sampling events were completed on March 30, April 13, and May 11, 2026. Timing was selected to coincide with the estimated peak outmigration of juvenile salmonids in Muchalat Inlet, 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*. Several 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) in the Pacific northwest. *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 salmonid species and threespine stickleback. 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 naupilii stages before developing into an infectious free-swimming copepodid. The copepodids attach to their host and develop through several chalimus stages. The chalimus are non-motile and are attached to their host by a frontal filament. The final chalimus stage terminates as the sea lice become motile and are no longer attached to their hosts by the frontal filament. The sea lice can now move freely on the fish as they develop through a pre-adult stage before becoming reproductively viable adults.

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

Cermaq British Columbia Ltd. requested monitoring of sea lice abundance, prevalence, and intensity on juvenile wild salmon in Muchalat Inlet, BC. This data summary report documents the observed sea lice infestation rates on juvenile salmonids collected in Muchalat Inlet, BC in 2026. This is the twenty-third year that sampling was completed in Muchalat Inlet, BC by Grieg Seafood BC and Cermaq British Columbia Ltd.

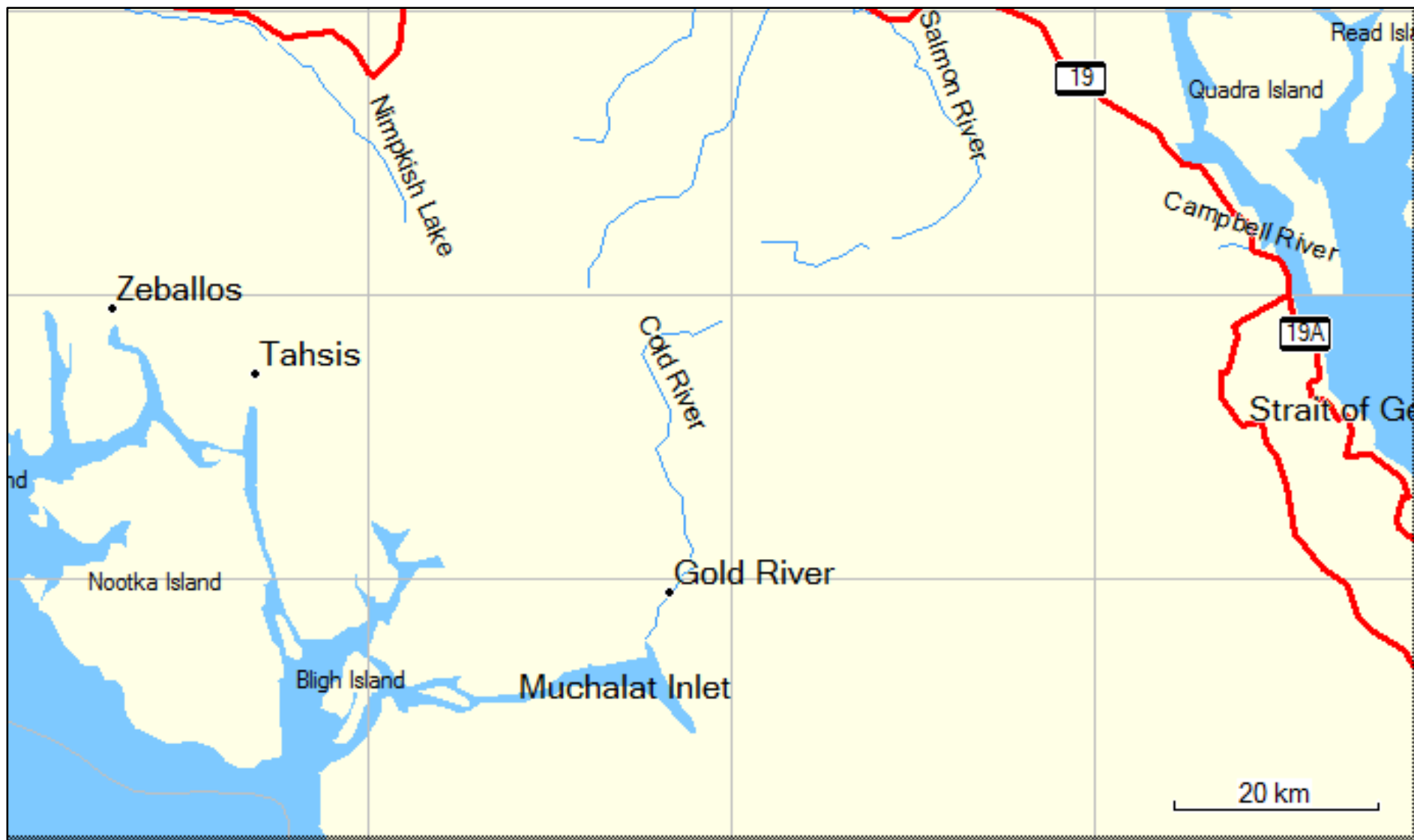


Figure 1: An overview map showing the location of Muchalat Inlet on the west coast of Vancouver Island, BC.

2.0 Methods

Juvenile salmonids were collected from 14 sites in Muchalat Inlet, BC. These sites were chosen based on their locations relative to existing Cermaq British Columbia Ltd. aquaculture sites in the area (Figure 2). The sites were sampled three times in 2026 on March 30, April 13, and May 11, 2026.

2.1 Site Locations

Of the 14 sampling sites, eight sites were located within Muchalat Inlet, two sites were in Zuciarte Channel, one site was in Hanna Channel, two sites were in Tlupana Inlet, and one site was in Tahsis Inlet (Figure 2). GPS coordinates collected in the field for the sites are presented in Table 1.

Table 1: The site name and location of the 14 beach seine sites where fish were collected for sea lice analysis in Muchalat Inlet, BC in 2026.

Site Name	Latitude	Longitude
Concepcion Point	49 39.2181	126 29.0928
East Mooyah	49 38.2389	126 25.7706
Gore Island	49 39.0739	126 24.4563
Hanna Channel	49 40.4451	126 28.0846
Hois Point	49 42.4833	126 31.3183
Houston River	49 38.2839	126 18.2708
Jewitt Cove	49 41.3861	126 36.1634
McCurdy Creek	49 40.2904	126 11.1707
North Muchalat	49 38.9980	126 17.5542
Ous Point	49 38.1056	126 21.2766
Silverado Creek	49 37.8359	126 22.0932
Villaverda Island	49 40.1684	126 34.5431
Williamson	49 39.7378	126 24.8810
Zuciarte Channel	49 37.4256	126 29.0176

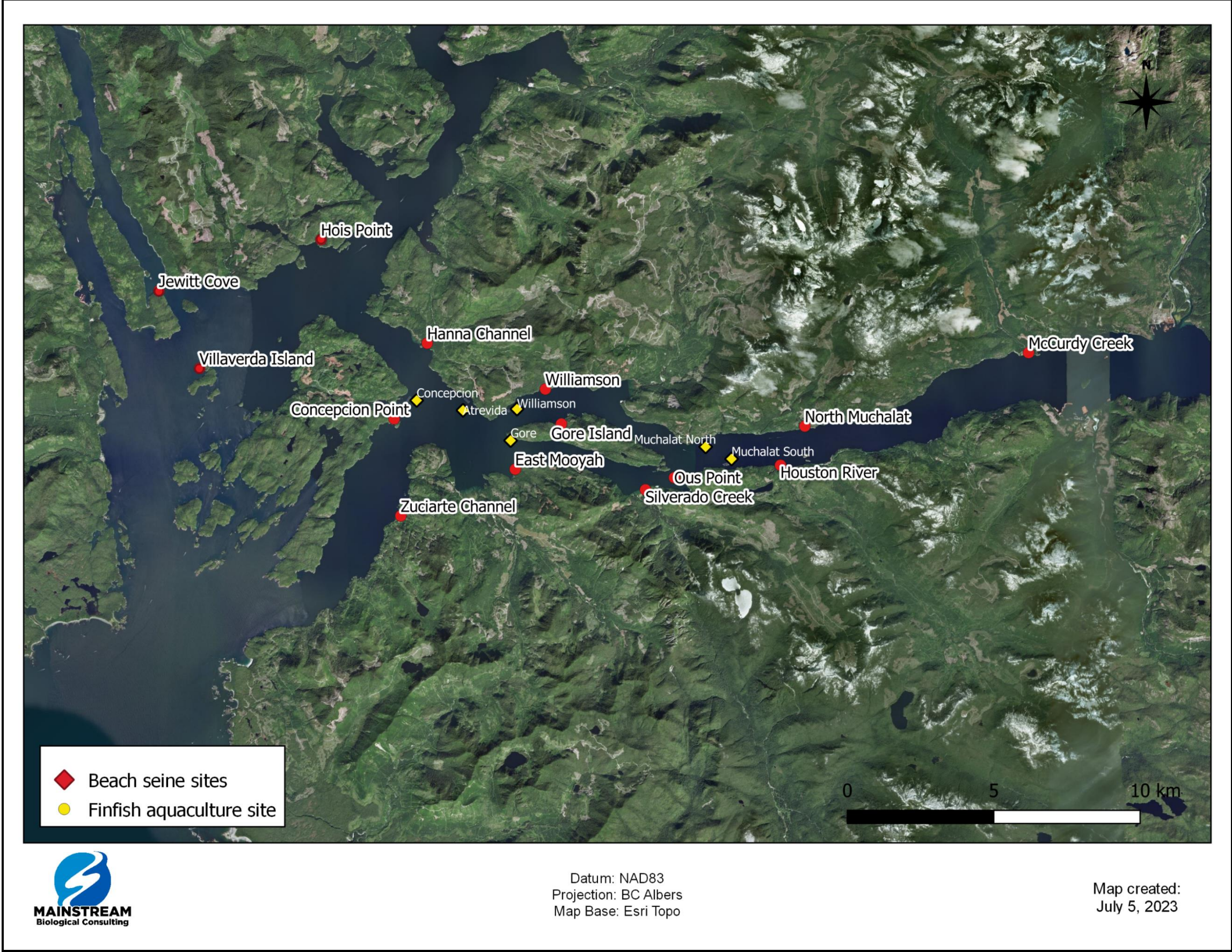


Figure 2: The locations of the 14 beach seine sites in Muchalat Inlet, BC sampled in 2026.

2.2 Field Procedures

Procedures used by Mainstream Biological Consulting during 2026 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 70 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 and one 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 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 haphazardly “swam” into an appropriately sized Whirlpac bag. Handling of fish was kept to a minimum.

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

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

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

Retained fish from each site were packaged separately in re-sealable bags and labelled with the site name or number, the date and sample numbers of each species. Sample bags were stored on dry 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 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 at least 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 saline solution in a petri dish.

Each Whirlpac bag was visually inspected after the removal of the fish for the presence of any 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 bag, an individual specimen number was added to each specimen bag and specimens were 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 are kept at Mainstream Biological Consulting in Campbell River for at least five years.

2.4 Data Analysis

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

Beach seine fish sample composition was summarized by species and site for each sample period. The fork lengths and weights of the samples were summarized to present minimum and maximum values as well as averages. Sea lice infestation rates, including the overall number of infested fish and the number of sea lice identified, were

determined for the sample population, and the prevalence, abundance and average intensity of sea lice were calculated.

Prevalence was defined as the number of fish found to have one or more sea lice compared to the total number of fish examined, while abundance was defined as the total number of sea lice observed compared to the total number of fish examined. The intensity of sea lice infestation, as described by the average number of sea lice found on a single infested salmon 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 Muchalat Inlet, BC in 2026. 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 and one meter depth measurements of water temperature, salinity and dissolved oxygen were taken during beach seining sampling at each of the 14 sites during the two sample periods. Water quality parameters are summarized in Table 2 and Table 3 respectively and the complete dataset is included in Appendix I.

Recorded surface water temperature ranged from a low of 5.9 °C recorded at McCurdy Creek on March 30, 2026, to a high of 15.0 °C recorded at Villaverda Island on May 11, 2026 (Table 2; Appendix I). Average surface water temperature increased over the sampling periods.

Recorded surface water salinity ranged from a low of 3.2 ppt recorded at McCurdy Creek on March 30, 2026, to a high of 23.0 ppt recorded at Zuciarde Channel on May 11, 2026 (Table 2; Appendix I). Average surface water salinity increased over the sampling period.

Recorded surface water dissolved oxygen ranged from a low of 6.4 mg/L recorded at Hois Point on April 13, 2026, to a high of 12.8 mg/L recorded at McCurdy Creek on March 30, 2026 (Table 2; Appendix I). Average surface dissolved oxygen varied over the sampling periods.

Recorded one meter water temperature ranged from a low of 6.8 °C recorded at McCurdy Creek on March 30, 2026, to a high of 15.0 °C recorded at Hanna Channel on May 11, 2026 (Table 3; Appendix I). Average one meter water temperature increased over the sampling period.

Recorded one meter water salinity ranged from a low of 6.3 ppt recorded at Houston River on March 30, 2026, to a high of 23.2 ppt recorded at Villaverda Island on May 11, 2026 (Table 3; Appendix I). Average one meter water salinity varied over the sampling periods.

Recorded one meter dissolved oxygen ranged from a low of 6.4 mg/L recorded at North Muchalat on April 13, 2026, to a high of 12.7 mg/L recorded at Houston River and Williamson on March 30, 2026 (Table 3; Appendix I). Average one meter dissolved oxygen varied over the sampling period.

Table 2: Surface water quality parameters collected during 2026 beach seine sampling in Muchalat Inlet, BC.

Site	March 30, 2026			April 13, 2026			May 11, 2026		
	Salinity (ppt)	Temp. (°C)	DO (mg/L)	Salinity (ppt)	Temp. (°C)	DO (mg/L)	Salinity (ppt)	Temp. (°C)	DO (mg/L)
Concepcion Point	9.2	7.0	12.5	20.0	11.7	8.0	20.1	14.1	8.8
East Mooyah	11.4	7.7	11.9	18.7	10.5	8.3	19.8	14.0	8.2
Gore Island	8.9	6.6	12.3	18.3	11.0	8.7	19.9	13.9	9.9
Hanna Channel	9.2	7.4	12.3	14.5	11.8	6.9	20.4	14.5	8.8
Hois Point	8.6	6.3	12.6	17.7	11.8	6.4	19.6	14.8	8.6
Houston River	5.8	7.0	12.6	18.5	11.4	8.5	17.8	13.8	8.9
Jewitt Cove	15.1	8.2	12.1	19.9	11.5	7.4	20.4	14.6	8.5
McCurdy Creek	3.2	5.9	12.8	6.5	9.8	10.7	9.6	12.9	8.9
North Muchalat	5.7	6.9	12.4	14.6	10.6	7.8	15.4	13.6	8.9
Ous Point	9.4	7.2	11.8	18.8	11.7	9.6	19.4	14.3	8.3
Silverado Creek	10.1	7.7	11.9	16.0	11.0	8.1	19.5	14.3	8.5
Villaverda Island	15.5	8.2	11.2	21.5	11.4	8.8	22.2	15.0	8.4
Williamson	7.9	7.0	12.5	19.9	11.2	7.3	18.2	13.9	8.8
Zuciarde Channel	16.7	7.2	11.3	20.4	11.0	7.5	23.0	13.9	9.1
Average	9.8	7.2	12.2	17.5	11.2	8.1	18.9	14.1	8.8

Table 3: One meter water quality parameters collected during 2026 beach seine sampling in Muchalat Inlet, BC.

Site	March 30, 2026			April 13, 2026			May 11, 2026		
	Salinity (ppt)	Temp. (°C)	DO (mg/L)	Salinity (ppt)	Temp. (°C)	DO (mg/L)	Salinity (ppt)	Temp. (°C)	DO (mg/L)
Concepcion Point	9.6	7.1	12.4	21.0	11.6	8.3	20.1	14.2	9.1
East Mooyah	-	-	-	21.5	10.8	8.1	-	-	-
Gore Island	-	-	-	18.5	11.1	8.6	20.0	13.7	8.7
Hanna Channel	-	-	-	18.7	11.9	7.4	20.8	15.0	9.1
Hois Point	21.7	7.2	10.7	17.8	11.2	8.0	19.8	14.9	8.5
Houston River	6.3	7.0	12.7	18.6	11.2	10.0	17.9	14.0	9.0
Jewitt Cove	-	-	-	21.5	11.2	8.5	20.6	14.3	8.5
McCurdy Creek	14.6	6.8	12.2	-	-	-	14.2	14.1	8.6
North Muchalat	6.9	7.1	12.6	17.4	11.1	6.4	16.0	13.8	8.7
Ous Point	18.1	7.4	11.4	19.1	11.6	10.1	19.6	14.4	8.6
Silverado Creek	-	-	-	-	-	-	-	-	-
Villaverda Island	19.8	9.1	10.9	21.9	11.3	9.5	23.2	14.7	8.9
Williamson	7.5	7.1	12.7	21.4	11.4	6.9	19.0	13.9	8.6
Zuciarte Channel	-	-	-	-	-	-	-	-	-
Average	13.1	7.4	12.0	19.8	11.3	8.3	19.2	14.3	8.7

3.2 Fish Sample Composition

A total of 1510 fish were captured during beach seine sampling conducted in Muchalat Inlet, BC in 2026 (Table 4). A summary of the total number of fish captured and collected as specimens at each site over the collection period is presented in Table 5, with a complete dataset provided in Appendix II. Of the 1510 fish captured, six chinook, 397 chum, and four coho were retained for lab analysis (Table 4). No Atlantic salmon, pink salmon, or sockeye salmon were captured during sampling completed in Muchalat Inlet, BC in 2026.

Chum salmon (*Oncorhynchus keta*) were the most commonly caught species, representing 99.3 % of the total captured salmonids (Table 4).

Table 4: The total of collected individuals of each fish species captured in Muchalat Inlet, BC in 2026, and the percentage of the total capture population that they represent.

Common Name	Capture Total (% of total capture)	Collection Totals	Collection %
chinook	6 (0.4 %)	6	100
chum	1500 (99.3 %)	397	26.5
coho	4 (0.3)	4	100
All Species	1510	407	27.0

Table 5: The number of captured fish and the number of individual fish collected by species from each of the 14 sample sites in Muchalat Inlet, BC in 2026.

Site	Chinook		Chum		Coho		Capture Totals	Sample Totals
	Capture Total	Sample Total	Capture Total	Sample Total	Capture Total	Sample Total		
Concepcion Point	0	0	323	43	2	2	325	45
East Mooyah	0	0	223	33	0	0	223	33
Gore Island	0	0	505	60	0	0	505	60
Hanna Channel	0	0	83	49	0	0	83	49
Hois Point	2	2	6	6	0	0	8	8
Houston River	0	0	13	13	0	0	13	13
Jewitt Cove	0	0	42	30	0	0	42	30
McCurdy Creek	2	2	74	36	0	0	76	38
North Muchalat	0	0	25	25	1	1	26	26
Ous Point	1	1	1	1	0	0	2	2
Silverado Creek	1	1	43	32	0	0	44	33
Villaverda Island	0	0	7	7	1	1	8	8
Williamson	0	0	43	31	0	0	43	31
Zuciarate Channel	0	0	112	31	0	0	112	31
Total	6	6	1500	397	4	4	1510	407

3.3 Fish Sample Size Statistics

Summary statistics for weight and fork length were calculated for the sample population of juvenile salmonids. Length (Table 6) and weight (Table 7) data were summarized by sampling event for each species.

3.3.1 Chinook Salmon

Analysis of weight and fork length data was completed for the chinook salmon sample population collected in Muchalat Inlet, BC in 2026. The weight of six chinook smolts collected during the three sample events ranged from 0.5 g to 3.1 g and averaged 1.5 g (SD = 1.2). The fork length of the chinook smolts ranged from 37 mm to 66 mm and averaged 49 mm (SD = 7). Chinook salmon weight and length data was summarized by month and shows an increase in both parameters in the sample population from March to May (Table 6 and Table 7).

3.3.2 Chum Salmon

Analysis of weight and fork length data was completed for the chum salmon sample population collected in Muchalat Inlet, BC in 2026. The weight of 397 chum smolts collected during the three sample events ranged from 0.2 g to 2.8 g and averaged 0.7 g (SD = 0.4). The fork length of the chum smolts ranged from 29 mm to 60 mm and averaged 41 mm (SD = 5). Chum salmon weight and length data was summarized by month and shows variation in both parameters in the sample population from March to May (Table 6 and Table 7).

3.3.3 Coho Salmon

Analysis of weight and fork length data was completed for the coho salmon sample population collected in Muchalat Inlet, BC in 2026. The weight of four coho smolts collected during the three sample events ranged from 4.9 g to 9.2 g and averaged 7.4 g (SD = 0.4). The fork length of the coho smolts ranged from 75 mm to 93 mm and averaged 85 mm (SD = 7). Coho salmon were only captured during the second and third sampling events (Table 6 and Table 7).

Table 6: Average lengths of chinook, chum, and coho salmon collected in Muchalat Inlet, BC in 2026, summarized by sampling event.

Species	Length (mm)		
	March 30, 2026	April 13, 2026	May 11, 2026
chinook	40	41	57
chum	39	42	41
coho	-	93	82

Table 7: Average weights of chinook, chum, and coho salmon collected in Muchalat Inlet, BC in 2026, summarized by sampling event.

Species	Weight (g)		
	March 30, 2026	April 13, 2026	May 11, 2026
chinook	0.6	0.7	2.3
chum	0.5	0.8	0.7
coho	-	9.2	6.7

3.4 Sea Lice Infestation

The results of laboratory analysis for the presence of sea lice on the fish sample population collected in Muchalat Inlet, BC in 2026 are presented in Table 8. A complete dataset is included in Appendix III. A total of 407 samples were collected at 14 sites in Muchalat Inlet, BC in 2026 and were inspected for sea lice infestation.

A total of 181 individuals in the sample population were found to be infested with 530 sea lice (Table 8). A total of five chinook salmon, 173 chum salmon, and three coho salmon were found to be infested with sea lice (Table 8).

The sea lice prevalence in the sample population collected in Muchalat Inlet, BC in 2026 was 44.5 % and the abundance was 1.30 (Table 8). Sea lice counts of both species observed (*L. salmonis* and *C. clemensi*) were added together for the prevalence and abundance calculations for the entire sample population.

The intensity of sea lice infestation ranged from one louse found on 81 individuals to a maximum of 17 lice found on one individual. The average intensity of lice on infected individuals was greater on coho salmon (10.0 lice/fish) than on chum salmon (2.7 lice/fish) or chinook salmon (6.6 lice/fish) (Table 8).

Table 8: Results of analysis for sea lice infestation on fish collected by beach seine in Muchalat Inlet, BC in 2026.

Species	Samples (n)	Lice (n)	Infested Fish (n)	Prevalence (%)	Abundance	Average Intensity
chinook	6	33	5	83.3	5.50	6.6
chum	397	467	173	43.6	1.18	2.7
coho	4	30	3	75.0	7.50	10.0
Total	407	530	181	44.5	1.30	2.9

3.4.1 Infestation Rate on Chinook Salmon

The results of the laboratory analysis for sea lice infestation for chinook salmon are presented by site in Table 9. A total of six chinook salmon were processed during laboratory analysis, and a total of five chinook salmon were found to be infested with at least one sea louse. Chinook smolts were found at four sites and samples from three of the four sites were infested with sea lice.

The prevalence of sea lice on the chinook salmon sample population (n= 6) collected in Muchalat Inlet, BC, was 83.3 %. Sea lice prevalence calculated by site for chinook salmon is presented in Table 9. The sea lice prevalence was 100 % for the three sites with infested chinook salmon.

The abundance of sea lice on the chinook salmon sample population (n= 6) collected in Muchalat Inlet, BC in 2026, was 5.50. The 33 sea lice identified were observed on five individual chinook salmon resulting in an average intensity of 6.6. Sea lice abundance and intensity were calculated by site and are presented in Table 9. The highest sea lice abundance (11.00) and the highest average intensity (11.0) was found at Silverado Creek.

Table 9: Total number, prevalence, abundance, and intensity of sea lice infestation on chinook salmon collected in Muchalat Inlet, BC in 2026, summarized by sampling site.

Site	Chinook Analyzed (n)	Infested Chinook (n)	Average Weight Infested Chinook (g)	Lice (n)	Prevalence (%)	Abundance	Average Intensity
Concepcion Point	0	0	-	0	-	-	-
East Mooyah	0	0	-	0	-	-	-
Gore Island	0	0	-	0	-	-	-
Hanna Channel	0	0	-	0	-	-	-
Hois Point	2	2	2.0	16	100	8.00	8.0
Houston River	0	0	-	0	-	-	-
Jewitt Cove	0	0	-	0	-	-	-
McCurdy Creek	2	2	0.7	6	100	3.00	3.0
North Muchalat	0	0	-	0	-	-	-
Ous Point	1	0	-	0	0	0.00	-
Silverado Creek	1	1	31.0	11	100	11.00	11.0
Villa Verde	0	0	-	0	-	-	-
Williamson	0	0	-	0	-	-	-
Zuciarte Channel	0	0	-	0	-	-	-
Total	6	5	11.2	33	83.3	5.50	6.6

3.4.2 Infestation Rate 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 397 chum salmon were processed during laboratory analysis, and a total of 173 chum salmon were found to be infested with at least one sea louse. Chum smolts were found at all 14 sites and samples from the 14 sites were infested with sea lice.

The prevalence of sea lice on the chum salmon sample population (n= 397) collected in Muchalat Inlet, BC, was 43.6 %. Sea lice prevalence calculated by site for chum salmon is presented in Table 10. The highest sea lice prevalence (100 %) was found at Ous Point.

The abundance of sea lice on the chum salmon sample population (n= 397) collected in Muchalat Inlet, BC in 2026, was 1.18. The 467 sea lice identified were observed on 173 individual chum salmon resulting in an average intensity of 2.7. Sea lice abundance and intensity were calculated by site and are presented in Table 10. The highest sea lice abundance (4.33) and the highest average intensity (5.6) was found at Concepcion Point.

Table 10: Total number, prevalence, abundance, and intensity of sea lice infestation on chum salmon collected in Muchalat Inlet, BC in 2026, summarized by sampling site.

Site	Chum Analyzed (n)	Infested Chum (n)	Average Weight Infested Chum (g)	Lice (n)	Prevalence (%)	Abundance	Average Intensity
Concepcion Point	43	33	1.4	186	76.7	4.33	5.6
East Mooyah	33	13	0.8	26	39.4	0.79	2.0
Gore Island	60	33	0.7	81	55.0	1.35	2.5
Hanna Channel	49	20	1.1	57	40.8	1.16	2.9
Hois Point	6	5	0.6	12	83.3	2.00	2.4
Houston River	13	11	0.8	17	84.6	1.31	1.5
Jewitt Cove	30	14	0.8	17	46.7	0.57	1.2
McCurdy Creek	36	1	0.3	1	2.8	0.03	1.0
North Muchalat	25	12	0.6	20	48.0	0.80	1.7
Ous Point	1	1	0.8	3	100	3.00	3.0
Silverado Creek	32	5	0.8	5	15.6	0.16	1.0
Villa Verde	7	4	0.7	10	57.1	1.43	2.5
Williamson	31	7	0.6	9	22.6	0.29	1.3
Zuciarie Channel	31	14	0.7	23	45.2	0.74	1.6
Total	397	173	0.7	467	43.6	1.18	2.7

3.4.3 Infestation Rate 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 four coho salmon were processed during laboratory analysis, and a total of three coho salmon were found to be infested with at least one sea louse. Coho smolts were found at three sites and samples from two of the three sites were infested with sea lice.

The prevalence of sea lice on the coho salmon sample population (n= 4) collected in Muchalat Inlet, BC, was 75.0 %. Sea lice prevalence calculated by site for coho salmon is presented in Table 11. The sea lice prevalence was 100 % for the two sites with infested coho salmon.

The abundance of sea lice on the coho salmon sample population (n= 4) collected in Muchalat Inlet, BC in 2026, was 7.50. The 30 sea lice identified were observed on three individual coho salmon resulting in an average intensity of 10.0. Sea lice abundance and intensity were calculated by site and are presented in Table 11. The highest sea lice abundance (14.50) and the highest average intensity (14.5) was found at Concepcion Point.

Table 11: Total number, prevalence, abundance, and intensity of sea lice infestation on coho salmon collected in Muchalat Inlet, BC in 2026, summarized by sampling site.

Site	Coho Analyzed (n)	Infested Coho (n)	Average Weight Infested Coho (g)	Lice (n)	Prevalence (%)	Abundance	Average Intensity
Concepcion Point	2	2	6.5	29	100	14.50	14.5
East Mooyah	0	0	-	0	-	-	-
Gore Island	0	0	-	0	-	-	-
Hanna Channel	0	0	-	0	-	-	-
Hois Point	0	0	-	0	-	-	-
Houston River	0	0	-	0	-	-	-
Jewitt Cove	0	0	-	0	-	-	-
McCurdy Creek	0	0	-	0	-	-	-
North Muchalat	1	1	7.2	1	100	1.00	1.0
Ous Point	0	0	-	0	-	-	-
Silverado Creek	0	0	-	0	-	-	-
Villa Verde	1	0	-	0	0.0	0.00	-
Williamson	0	0	-	0	-	-	-
Zuciarte Channel	0	0	-	0	-	-	-
Total	4	3	6.9	30	75.0	7.50	10.0

3.5 Infestation by Sea Lice Species

A total of 521 *L. salmonis* sea lice of various life stages were identified on 180 juvenile salmon, and nine *C. clemensi* sea lice of various life stages were identified on nine juvenile salmon. Of the infested juvenile salmon, eight were found to be infested with both *L. salmonis* and *C. clemensi* sea lice (Appendix III).

3.5.1 Infestation by Life Stage on Chinook Salmon

A total of 33 *L. salmonis* sea lice of various life stages were identified on five juvenile chinook salmon. No *C. clemensi* sea lice were found on the juvenile chinook salmon. An analysis of sea lice species and life stage is presented in Table 12. An analysis of sea lice species on infested chinook salmon, organized by site is presented in Table 13.

Table 12: The number of *L. salmonis* (LEP) and *C. clemensi* (CAL) in each life stage identified on the chinook salmon sample population in Muchalat Inlet, BC in 2026.

Life Stage ¹	March 30, 2026	April 13, 2026	May 11, 2026
LEP Co	0	4	17
LEP C1	0	0	2
LEP C2	0	0	3
LEP NM No ID	-	-	-
LEP PAM	0	0	2
LEP PAF	0	0	5
LEP AM	0	0	0
LEP AF	0	0	0
Total LEP	0	4	29
CAL Co	0	0	0
CAL C1	0	0	0
CAL C2	0	0	0
CAL C3	0	0	0
CAL C4	0	0	0
CAL NM No ID	-	-	-
CAL PAM	0	0	0
CAL PAF	0	0	0
CAL AM	0	0	0
CAL AF	0	0	0
Total CAL	0	0	0

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

Table 13: The number of sea lice found on chinook salmon collected in Muchalat Inlet, BC in 2026, summarized by sampling site.

Site	Sample Period												Total		
	March 30, 2026				April 13, 2026				May 11, 2026						
	Chinook Analyzed (n)	Chinook Infested (n)	<i>L. salmonis</i> (n)	<i>C. clemensi</i> (n)	Chinook Analyzed (n)	Chinook Infested (n)	<i>L. salmonis</i> (n)	<i>C. clemensi</i> (n)	Chinook Analyzed (n)	Chinook Infested (n)	<i>L. salmonis</i> (n)	<i>C. clemensi</i> (n)	Chinook Analyzed (n)	Chinook Infested (n)	Lice (n)
Concepcion Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East Mooyah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hanna Channel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hois Point	0	0	0	0	1	1	3	0	1	1	13	0	2	2	16
Houston River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jewitt Cove	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McCurdy Creek	0	0	0	0	1	1	1	0	1	1	5	0	2	2	6
North Muchalat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ous Point	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Silverado Creek	0	0	0	0	0	0	0	0	1	1	11	0	1	1	11
Villa Verde	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Williamson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zuciarate Channel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	0	0	0	2	2	4	0	3	3	29	0	6	5	33

3.5.2 Infestation by Life Stage on Chum Salmon

A total of 458 *L. salmonis* sea lice of various life stages were identified on 172 juvenile chum salmon and nine *C. clemensi* sea lice of various life stages were found on nine juvenile chum salmon. Of the infested chum, eight were found to be infested with both *L. salmonis* and *C. clemensi* sea lice. An analysis of sea lice species and life stage is presented in Table 14. An analysis of sea lice species on infested chum salmon, organized by site is presented in Table 15.

Table 14: The number of *L. salmonis* (LEP) and *C. clemensi* (CAL) in each life stage identified on the chum salmon sample population in Muchalat Inlet, BC in 2026.

Life Stage ¹	March 30, 2026	April 13, 2026	May 11, 2026
LEP Co	29	237	1
LEP C1	1	136	4
LEP C2	0	48	2
LEP NM No ID	-	-	-
LEP PAM	0	0	0
LEP PAF	0	0	0
LEP AM	0	0	0
LEP AF	0	0	0
Total LEP	30	421	7
CAL Co	0	2	0
CAL C1	0	3	0
CAL C2	0	2	0
CAL C3	0	0	0
CAL C4	0	1	0
CAL NM No ID	-	-	-
CAL PAM	0	0	0
CAL PAF	0	0	0
CAL AM	0	0	0
CAL AF	0	1	0
Total CAL	0	9	0

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

Table 15: The number of sea lice found on chum salmon collected in Muchalat Inlet, BC in 2026, summarized by sampling site.

Site	Sample Period												Total		
	March 30, 2026				April 13, 2026				May 11, 2026				Chum Analyzed (n)	Chum Infested (n)	Lice (n)
	Chum Analyzed (n)	Chum Infested (n)	<i>L. salmonis</i> (n)	<i>C. clemensi</i> (n)	Chum Analyzed (n)	Chum Infested (n)	<i>L. salmonis</i> (n)	<i>C. clemensi</i> (n)	Chum Analyzed (n)	Chum Infested (n)	<i>L. salmonis</i> (n)	<i>C. clemensi</i> (n)			
Concepcion Point	13	3	4	0	30	30	176	6	0	0	0	0	43	33	186
East Mooyah	1	0	0	0	30	11	18	1	2	2	7	0	33	13	26
Gore Island	30	10	18	0	30	23	63	0	0	0	0	0	60	33	81
Hanna Channel	19	1	1	0	30	19	55	1	0	0	0	0	49	20	57
Hois Point	0	0	0	0	6	5	12	0	0	0	0	0	6	5	12
Houston River	0	0	0	0	13	11	17	0	0	0	0	0	13	11	17
Jewitt Cove	0	0	0	0	30	14	16	1	0	0	0	0	30	14	17
McCurdy Creek	7	0	0	0	29	1	1	0	0	0	0	0	36	1	1
North Muchalat	2	0	0	0	23	12	20	0	0	0	0	0	25	12	20
Ous Point	0	0	0	0	1	1	3	0	0	0	0	0	1	1	3
Silverado Creek	2	0	0	0	30	5	5	0	0	0	0	0	32	5	5
Villa Verde	0	0	0	0	7	4	10	0	0	0	0	0	7	4	10
Williamson	30	6	7	0	1	1	2	0	0	0	0	0	31	7	9
Zuciarde Channel	1	0	0	0	30	14	23	0	0	0	0	0	31	14	23
Total	105	20	30	0	290	151	421	9	2	2	7	0	397	173	467

3.5.3 Infestation by Life Stage on Coho Salmon

A total of 30 *L. salmonis* sea lice of various life stages were identified on three juvenile coho salmon. No *C. clemensi* sea lice were found on the juvenile coho salmon. An analysis of sea lice species and life stage is presented in Table 16. An analysis of sea lice species on infested coho salmon, organized by site is presented in Table 17.

Table 16: The number of *L. salmonis* (LEP) and *C. clemensi* (CAL) in each life stage identified on the coho salmon sample population in Muchalat Inlet, BC in 2026.

Life Stage ¹	March 30, 2026	April 13, 2026	May 11, 2026
LEP Co	0	0	26
LEP C1	0	0	0
LEP C2	0	0	0
LEP NM No ID	-	-	-
LEP PAM	0	0	1
LEP PAF	0	0	1
LEP AM	0	0	2
LEP AF	0	0	0
Total LEP	0	0	30
CAL Co	0	0	0
CAL C1	0	0	0
CAL C2	0	0	0
CAL C3	0	0	0
CAL C4	0	0	0
CAL NM No ID	-	-	-
CAL PAM	0	0	0
CAL PAF	0	0	0
CAL AM	0	0	0
CAL AF	0	0	0
Total CAL	0	0	0

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

Table 17: The number of sea lice found on coho salmon collected in Muchalat Inlet, BC in 2026, summarized by sampling site.

Site	Sample Period												Total		
	March 30, 2026				April 13, 2026				May 11, 2026						
	Coho Analyzed (n)	Coho Infested (n)	<i>L. salmonis</i> (n)	<i>C. clemensi</i> (n)	Coho Analyzed (n)	Coho Infested (n)	<i>L. salmonis</i> (n)	<i>C. clemensi</i> (n)	Species Analyzed (n)	Coho Infested (n)	<i>L. salmonis</i> (n)	<i>C. clemensi</i> (n)	Coho Analyzed (n)	Coho Infested (n)	Lice (n)
Concepcion Point	0	0	0	0	0	0	0	0	2	2	29	0	2	2	29
East Mooyah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gore Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hanna Channel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hois Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Houston River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jewitt Cove	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McCurdy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Muchalat	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1
Ous Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Silverado Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Villa Verde	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
Williamson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zuciarate Channel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	1	0	0	0	3	3	30	0	4	3	30

4.0 References

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Appendix I – Field Data

Date	Time	Site Name	Salinity (ppt)	Temperature (C)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Temperature (C)	Dissolved Oxygen (mg/L)
			0.2m	0.2m	0.2m	1m	1m	1m
03-30-2026	8:25	McCurdy Creek	3.2	5.9	12.8	14.6	5.9	12.2
03-30-2026	8:55	North Muchalat	5.7	6.9	12.4	6.9	6.9	12.6
03-30-2026	9:10	Houston River	5.8	7.0	12.6	6.3	7.0	12.7
03-30-2026	9:26	Ous Point	9.4	7.2	11.8	18.1	7.2	11.4
03-30-2026	9:40	Silverado Creek	10.1	7.7	11.9	-	7.7	-
03-30-2026	10:04	East Mooyah	11.4	7.7	11.9	-	7.7	-
03-30-2026	10:22	Gore Island	8.9	6.6	12.3	-	6.6	-
03-30-2026	10:44	Williamson	7.9	7.0	12.5	7.5	7.0	12.7
03-30-2026	11:13	Zuciarate Channel	16.7	7.2	11.3	-	7.2	-
03-30-2026	11:34	Concepcion Point	9.2	7.0	12.5	9.6	7.0	12.4
03-30-2026	11:51	Hanna Channel	9.2	7.4	12.3	-	7.4	-
03-30-2026	12:23	Hois Point	8.6	6.3	12.6	21.7	6.3	10.7
03-30-2026	12:45	Villaverda Island	15.5	8.2	11.2	19.8	8.2	10.9
03-30-2026	13:02	Jewitt Cove	15.1	8.2	12.1	-	8.2	-
04-13-2026	8:18	McCurdy Creek	6.5	9.8	10.7	-	9.8	-
04-13-2026	8:52	North Muchalat	14.6	10.6	7.8	17.4	10.6	6.4
04-13-2026	9:10	Houston River	18.5	11.4	8.5	18.6	11.4	10.0
04-13-2026	9:29	Ous Point	18.8	11.7	9.6	19.1	11.7	10.1
04-13-2026	9:39	Silverado Creek	16.0	11.0	8.1	-	11.0	-
04-13-2026	9:58	East Mooyah	18.7	10.5	8.3	21.5	10.5	8.1
04-13-2026	10:21	Gore Island	18.3	11.0	8.7	18.5	11.0	8.6
04-13-2026	10:37	Williamson	19.9	11.2	7.3	21.4	11.2	6.9
04-13-2026	11:01	Zuciarate Channel	20.4	11.0	7.5	-	11.0	-
04-13-2026	11:22	Concepcion Point	20.0	11.7	8.0	21.0	11.7	8.3
04-13-2026	11:45	Hanna Channel	14.5	11.8	6.9	18.7	11.8	7.4
04-13-2026	12:15	Hois Point	17.7	11.8	6.4	17.8	11.8	8.0
04-13-2026	12:36	Villaverda Island	21.5	11.4	8.8	21.9	11.4	9.5
04-13-2026	12:53	Jewitt Cove	19.9	11.5	7.4	21.5	11.5	8.5
05-11-2026	8:18	McCurdy Creek	9.6	12.9	8.9	14.2	12.9	8.6
05-11-2026	8:41	North Muchalat	15.4	13.6	8.9	16.0	13.6	8.7
05-11-2026	8:55	Houston River	17.8	13.8	8.9	17.9	13.8	9.0
05-11-2026	9:09	Ous Point	19.4	14.3	8.3	19.6	14.3	8.6
05-11-2026	9:27	Silverado Creek	19.5	14.3	8.5	-	14.3	-
05-11-2026	9:43	East Mooyah	19.8	14.0	8.2	-	14.0	-
05-11-2026	9:57	Gore Island	19.9	13.9	9.9	20.0	13.9	8.7
05-11-2026	10:09	Williamson	18.2	13.9	8.8	19.0	13.9	8.6
05-11-2026	10:30	Zuciarate Channel	23.0	13.9	9.1	-	13.9	-
05-11-2026	10:56	Concepcion Point	20.1	14.1	8.8	20.1	14.1	9.1
05-11-2026	11:14	Hanna Channel	20.4	14.5	8.8	20.8	14.5	9.1
05-11-2026	11:39	Hois Point	19.6	14.8	8.6	19.8	14.8	8.5
05-11-2026	11:55	Villaverda Island	22.2	15.0	8.4	23.2	15.0	8.9
05-11-2026	12:15	Jewitt Cove	20.4	14.6	8.5	20.6	14.6	8.5

Appendix II – Capture and Collection Sample Totals

Date	Time	Site Name	Weather Comments	Tide Stage	Pink Captured	Pink Retained	Chum Captured	Chum Retained	Coho Captured	Coho Retained	Chinook Captured	Chinook Retained	Sockeye Captured	Sockeye Captured	Salmonid Mortalities	Comments
03-30-2026	8:25	McCurdy Creek	Clear, sun	Mid	0	0	7	7	0	0	0	0	0	0	0	Good set
03-30-2026	8:55	North Muchalat	Clear, sun	Mid	0	0	2	2	0	0	0	0	0	0	0	Good set
03-30-2026	9:10	Houston River	Clear, sun	Mid	0	0	0	0	0	0	0	0	0	0	0	Bluff set
03-30-2026	9:26	Ous Point	Clear, sun	Mid	0	0	0	0	0	0	1	1	0	0	0	2 sea lions
03-30-2026	9:40	Silverado Creek	Clear, sun	Mid	0	0	2	2	0	0	0	0	0	0	0	2 sculpin, shallow beach
03-30-2026	10:04	East Mooyah	Clear, sun	Mid	0	0	1	1	0	0	0	0	0	0	0	-
03-30-2026	10:22	Gore Island	Clear, sun	Mid	0	0	225	30	0	0	0	0	0	0	0	-
03-30-2026	10:44	Williamson	Clear, wind	Mid	0	0	42	30	0	0	0	0	0	0	0	Bluff set
03-30-2026	11:13	Zuciarate Channel	Clear, sun	High	0	0	1	1	0	0	0	0	0	0	0	Few snags on rocks, ctenophores
03-30-2026	11:34	Concepcion Point	Clear, sun	High	0	0	13	13	0	0	0	0	0	0	0	Ctenophores
03-30-2026	11:51	Hanna Channel	Clear, sun	High	0	0	19	19	0	0	0	0	0	0	1	Good set
03-30-2026	12:23	Hois Point	Clear, sun	High	0	0	0	0	0	0	0	0	0	0	0	Good set
03-30-2026	12:45	Villaverda Island	Clear, sun	High	0	0	0	0	0	0	0	0	0	0	0	-
03-30-2026	13:02	Jewitt Cove	Clear, sun	High	0	0	0	0	0	0	0	0	0	0	0	1 shrimp
04-13-2026	8:18	McCurdy Creek	Light wind	High	0	0	67	29	0	0	1	1	0	0	0	Fish health taken here
04-13-2026	8:52	North Muchalat	Light wind	High	0	0	23	23	0	0	0	0	0	0	0	1 sandlance
04-13-2026	9:10	Houston River	Light wind	High	0	0	13	13	0	0	0	0	0	0	0	1 sculpin
04-13-2026	9:29	Ous Point	Light wind	High	0	0	1	1	0	0	0	0	0	0	0	Ctenophores
04-13-2026	9:39	Silverado Creek	Calm	High	0	0	41	30	0	0	0	0	0	0	0	Shallow set
04-13-2026	9:58	East Mooyah	Light wind	High	0	0	220	30	0	0	0	0	0	0	0	-
04-13-2026	10:21	Gore Island	Light wind	High	0	0	280	30	0	0	0	0	0	0	0	-
04-13-2026	10:37	Williamson	Light wind	High	0	0	1	1	0	0	0	0	0	0	0	14 pile perch
04-13-2026	11:01	Zuciarate Channel	Light wind	Mid	0	0	111	30	0	0	0	0	0	0	0	Shallow set
04-13-2026	11:22	Concepcion Point	Light wind	Mid	0	0	310	30	0	0	0	0	0	0	0	Good set
04-13-2026	11:45	Hanna Channel	Chop, light wind	Mid	0	0	64	30	0	0	0	0	0	0	0	Swelly
04-13-2026	12:15	Hois Point	Light wind	Mid	0	0	6	6	0	0	1	1	0	0	0	-
04-13-2026	12:36	Villaverda Island	Wind	Mid	0	0	7	7	1	1	0	0	0	0	0	1 kelp greenling, 4 tubesnout, 1 shiner perch, 1 striped perch
04-13-2026	12:53	Jewitt Cove	Light wind	Mid	0	0	42	30	0	0	0	0	0	0	0	-
05-11-2026	8:18	McCurdy Creek	Calm, sun	Mid	0	0	0	0	0	0	1	1	0	0	0	1 gunnel

Date	Time	Site Name	Weather Comments	Tide Stage	Pink Captured	Pink Retained	Chum Captured	Chum Retained	Coho Captured	Coho Retained	Chinook Captured	Chinook Retained	Sockeye Captured	Sockeye Captured	Salmonid Mortalities	Comments
05-11-2026	8:41	North Muchalat	Clear, sun	High	0	0	0	0	1	1	0	0	0	0	0	Good set
05-11-2026	8:55	Houston River	Clear, sun	High	0	0	0	0	0	0	0	0	0	0	0	-
05-11-2026	9:09	Ous Point	Sun, light wind	High	0	0	0	0	0	0	0	0	0	0	0	1 gunnel
05-11-2026	9:27	Silverado Creek	Sun, light wind	High	0	0	0	0	0	0	1	1	0	0	0	1 sculpin
05-11-2026	9:43	East Mooyah	Sun, light wind	High	0	0	2	2	0	0	0	0	0	0	0	Sculpin
05-11-2026	9:57	Gore Island	Sun, light wind	Mid	0	0	0	0	0	0	0	0	0	0	0	Moon jellies, sculpin
05-11-2026	10:09	Williamson	Sun, light wind	Mid	0	0	0	0	0	0	0	0	0	0	0	Couple jelly fish
05-11-2026	10:30	Zuciarate Channel	Sun, light wind	Low	0	0	0	0	0	0	0	0	0	0	0	1 sculpin
05-11-2026	10:56	Concepcion Point	Light breeze	Low	0	0	0	0	2	2	0	0	0	0	0	-
05-11-2026	11:14	Hanna Channel	Light wind	Low	0	0	0	0	0	0	0	0	0	0	0	1 green crab, 1 sculpin
05-11-2026	11:39	Hois Point	Light wind	Low	0	0	0	0	0	0	1	1	0	0	0	2 jellyfish
05-11-2026	11:55	Villaverda Island	Light wind	Low	0	0	0	0	0	0	0	0	0	0	0	25 perch, 2 greenling
05-11-2026	12:15	Jewitt Cove	Calm	Low	0	0	0	0	0	0	0	0	0	0	0	7 lingcod

Appendix III – Sea Lice Analysis

Date Collected (yyyy-mm-dd)	Site Name	Fish Species	Length (mm)	Weight (g)	LEP Co	LEP C1	LEP C2	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP Total	Cal Co	Cal C1	Cal C2	Cal C3	Cal C4	CAL PAM	CAL PAF	CAL AM	CAL AF	CAL Total	Total Lice
04-13-2026	Silverado Creek	Chum	40	0.5								0										0	0
04-13-2026	Silverado Creek	Chum	41	0.6								0										0	0
04-13-2026	Silverado Creek	Chum	40	0.5								0										0	0
04-13-2026	Silverado Creek	Chum	40	0.6								0										0	0
04-13-2026	Silverado Creek	Chum	41	0.6								0										0	0
04-13-2026	Silverado Creek	Chum	40	0.5								0										0	0
04-13-2026	Silverado Creek	Chum	45	1.0	1							1										0	1
04-13-2026	Silverado Creek	Chum	39	0.6								0										0	0
04-13-2026	Silverado Creek	Chum	42	0.8								0										0	0
04-13-2026	Silverado Creek	Chum	43	0.8								0										0	0
04-13-2026	Silverado Creek	Chum	37	0.4								0										0	0
04-13-2026	Silverado Creek	Chum	42	0.9	1							1										0	1
04-13-2026	Silverado Creek	Chum	37	0.4								0										0	0
04-13-2026	Silverado Creek	Chum	38	0.5								0										0	0
04-13-2026	Silverado Creek	Chum	41	0.6								0										0	0
04-13-2026	Silverado Creek	Chum	39	0.5								0										0	0
04-13-2026	Silverado Creek	Chum	43	0.8								0										0	0
04-13-2026	Silverado Creek	Chum	39	0.5								0										0	0
04-13-2026	Silverado Creek	Chum	44	1.0								0										0	0
04-13-2026	Silverado Creek	Chum	40	0.6								0										0	0
04-13-2026	Silverado Creek	Chum	40	0.6								0										0	0
04-13-2026	Silverado Creek	Chum	36	0.4								0										0	0
04-13-2026	Silverado Creek	Chum	40	0.5								0										0	0
04-13-2026	Silverado Creek	Chum	43	0.8	1							1										0	1
04-13-2026	Silverado Creek	Chum	40	0.6	1							1										0	1
04-13-2026	Silverado Creek	Chum	39	0.6								0										0	0

Date Collected (yyyy-mm-dd)	Site Name	Fish Species	Length (mm)	Weight (g)	LEP Co	LEP C1	LEP C2	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP Total	Cal Co	Cal C1	Cal C2	Cal C3	Cal C4	CAL PAM	CAL PAF	CAL AM	CAL AF	CAL Total	Total Lice
04-13-2026	Silverado Creek	Chum	38	0.5								0										0	0
04-13-2026	Silverado Creek	Chum	40	0.6								0										0	0
04-13-2026	Silverado Creek	Chum	41	0.7								0										0	0
04-13-2026	Silverado Creek	Chum	39	0.6	1							1										0	1
04-13-2026	McCurdy Creek	Chum	37	0.4								0										0	0
04-13-2026	McCurdy Creek	Chum	36	0.4								0										0	0
04-13-2026	McCurdy Creek	Chum	38	0.6								0										0	0
04-13-2026	McCurdy Creek	Chum	40	0.5								0										0	0
04-13-2026	McCurdy Creek	Chum	40	0.6								0										0	0
04-13-2026	McCurdy Creek	Chum	38	0.5								0										0	0
04-13-2026	McCurdy Creek	Chum	39	0.5								0										0	0
04-13-2026	McCurdy Creek	Chum	39	0.5								0										0	0
04-13-2026	McCurdy Creek	Chum	38	0.5								0										0	0
04-13-2026	McCurdy Creek	Chum	37	0.5								0										0	0
04-13-2026	McCurdy Creek	Chum	37	0.5								0										0	0
04-13-2026	McCurdy Creek	Chum	38	0.5								0										0	0
04-13-2026	McCurdy Creek	Chum	39	0.5								0										0	0
04-13-2026	McCurdy Creek	Chum	37	0.4								0										0	0
04-13-2026	McCurdy Creek	Chum	37	0.5								0										0	0
04-13-2026	McCurdy Creek	Chum	38	0.5								0										0	0
04-13-2026	McCurdy Creek	Chum	36	0.4								0										0	0
04-13-2026	McCurdy Creek	Chum	36	0.4								0										0	0
04-13-2026	McCurdy Creek	Chum	35	0.3	1							1										0	1
04-13-2026	McCurdy Creek	Chum	39	0.5								0										0	0
04-13-2026	McCurdy Creek	Chum	36	0.4								0										0	0
04-13-2026	McCurdy Creek	Chum	37	0.4								0										0	0
04-13-2026	McCurdy Creek	Chum	38	0.5								0										0	0
04-13-2026	McCurdy Creek	Chum	37	0.4								0										0	0

Date Collected (yyyy-mm-dd)	Site Name	Fish Species	Length (mm)	Weight (g)	LEP Co	LEP C1	LEP C2	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP Total	Cal Co	Cal C1	Cal C2	Cal C3	Cal C4	CAL PAM	CAL PAF	CAL AM	CAL AF	CAL Total	Total Lice
04-13-2026	McCurdy Creek	Chum	37	0.5								0										0	0
04-13-2026	McCurdy Creek	Chum	39	0.5								0										0	0
04-13-2026	McCurdy Creek	Chum	38	0.5								0										0	0
04-13-2026	McCurdy Creek	Chum	38	0.5								0										0	0
04-13-2026	McCurdy Creek	Chum	36	0.4								0										0	0
04-13-2026	McCurdy Creek	Chinook	37	0.5	1							1										0	1
04-13-2026	East Mooyah	Chum	42	0.7								0										0	0
04-13-2026	East Mooyah	Chum	40	0.6	3							3										0	3
04-13-2026	East Mooyah	Chum	40	0.6								0										0	0
04-13-2026	East Mooyah	Chum	43	0.7		1	1					2										0	2
04-13-2026	East Mooyah	Chum	43	0.8								0										0	0
04-13-2026	East Mooyah	Chum	40	0.6								0										0	0
04-13-2026	East Mooyah	Chum	45	0.8	1							1										0	1
04-13-2026	East Mooyah	Chum	40	0.6								0										0	0
04-13-2026	East Mooyah	Chum	39	0.5								0										0	0
04-13-2026	East Mooyah	Chum	40	0.6								0										0	0
04-13-2026	East Mooyah	Chum	37	0.4								0										0	0
04-13-2026	East Mooyah	Chum	43	0.8	1	1						2										0	2
04-13-2026	East Mooyah	Chum	40	0.7	1							1										0	1
04-13-2026	East Mooyah	Chum	43	0.8								0										0	0
04-13-2026	East Mooyah	Chum	40	0.6								0										0	0
04-13-2026	East Mooyah	Chum	37	0.5								0										0	0
04-13-2026	East Mooyah	Chum	38	0.5	1							1										0	1
04-13-2026	East Mooyah	Chum	41	0.7								0										0	0
04-13-2026	East Mooyah	Chum	53	1.4		1	1					2	1									1	3
04-13-2026	East Mooyah	Chum	38	0.6								0										0	0
04-13-2026	East Mooyah	Chum	50	1.2	1							1										0	1
04-13-2026	East Mooyah	Chum	38	0.5								0										0	0

Date Collected (yyyy-mm-dd)	Site Name	Fish Species	Length (mm)	Weight (g)	LEP Co	LEP C1	LEP C2	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP Total	Cal Co	Cal C1	Cal C2	Cal C3	Cal C4	CAL PAM	CAL PAF	CAL AM	CAL AF	CAL Total	Total Lice
04-13-2026	East Mooyah	Chum	40	0.6								0										0	0
04-13-2026	East Mooyah	Chum	44	1.0	1		2					3										0	3
04-13-2026	East Mooyah	Chum	38	0.5								0										0	0
04-13-2026	East Mooyah	Chum	40	0.6								0										0	0
04-13-2026	East Mooyah	Chum	38	0.5	1							1										0	1
04-13-2026	East Mooyah	Chum	38	0.6	1							1										0	1
04-13-2026	East Mooyah	Chum	40	0.6								0										0	0
04-13-2026	East Mooyah	Chum	41	0.7								0										0	0
04-13-2026	Zuciarde Channel	Chum	45	1.1	1	2	3					6										0	6
04-13-2026	Zuciarde Channel	Chum	38	0.6								0										0	0
04-13-2026	Zuciarde Channel	Chum	38	0.5	2							2										0	2
04-13-2026	Zuciarde Channel	Chum	38	0.5								0										0	0
04-13-2026	Zuciarde Channel	Chum	39	0.6		1						1										0	1
04-13-2026	Zuciarde Channel	Chum	37	0.6								0										0	0
04-13-2026	Zuciarde Channel	Chum	40	0.6								0										0	0
04-13-2026	Zuciarde Channel	Chum	42	0.9								0										0	0
04-13-2026	Zuciarde Channel	Chum	37	0.5	1							1										0	1
04-13-2026	Zuciarde Channel	Chum	36	0.5	1	1						2										0	2
04-13-2026	Zuciarde Channel	Chum	38	0.5								0										0	0
04-13-2026	Zuciarde Channel	Chum	39	0.6	1							1										0	1
04-13-2026	Zuciarde Channel	Chum	41	0.7								0										0	0
04-13-2026	Zuciarde Channel	Chum	42	0.8								0										0	0
04-13-2026	Zuciarde Channel	Chum	38	0.6								0										0	0
04-13-2026	Zuciarde Channel	Chum	39	0.6	1							1										0	1
04-13-2026	Zuciarde Channel	Chum	47	1.1		2						2										0	2
04-13-2026	Zuciarde Channel	Chum	42	0.8	1							1										0	1
04-13-2026	Zuciarde Channel	Chum	39	0.6								0										0	0
04-13-2026	Zuciarde Channel	Chum	39	0.6								0										0	0

Date Collected (yyyy-mm-dd)	Site Name	Fish Species	Length (mm)	Weight (g)	LEP Co	LEP C1	LEP C2	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP Total	Cal Co	Cal C1	Cal C2	Cal C3	Cal C4	CAL PAM	CAL PAF	CAL AM	CAL AF	CAL Total	Total Lice
04-13-2026	Zuciarde Channel	Chum	40	0.6		1						1										0	1
04-13-2026	Zuciarde Channel	Chum	37	0.5								0										0	0
04-13-2026	Zuciarde Channel	Chum	41	0.7								0										0	0
04-13-2026	Zuciarde Channel	Chum	41	0.7	1							1										0	1
04-13-2026	Zuciarde Channel	Chum	41	0.6								0										0	0
04-13-2026	Zuciarde Channel	Chum	42	0.7		1	1					2										0	2
04-13-2026	Zuciarde Channel	Chum	38	0.5	1							1										0	1
04-13-2026	Zuciarde Channel	Chum	37	0.5								0										0	0
04-13-2026	Zuciarde Channel	Chum	40	0.7	1							1										0	1
04-13-2026	Zuciarde Channel	Chum	38	0.5								0										0	0
03-30-2026	Zuciarde Channel	Chum	40	0.6								0										0	0
03-30-2026	North Muchalat	Chum	39	0.5								0										0	0
03-30-2026	North Muchalat	Chum	37	0.4								0										0	0
03-30-2026	McCurdy Creek	Chum	29	0.2								0										0	0
03-30-2026	McCurdy Creek	Chum	39	0.4								0										0	0
03-30-2026	McCurdy Creek	Chum	41	0.5								0										0	0
03-30-2026	McCurdy Creek	Chum	37	0.4								0										0	0
03-30-2026	McCurdy Creek	Chum	37	0.4								0										0	0
03-30-2026	McCurdy Creek	Chum	39	0.5								0										0	0
03-30-2026	McCurdy Creek	Chum	37	0.4								0										0	0
04-13-2026	Gore Island	Chum	39	0.5	1							1										0	1
04-13-2026	Gore Island	Chum	38	0.5	1							1										0	1
04-13-2026	Gore Island	Chum	39	0.5								0										0	0
04-13-2026	Gore Island	Chum	41	0.6								0										0	0
04-13-2026	Gore Island	Chum	40	0.6	2							2										0	2
04-13-2026	Gore Island	Chum	52	1.4	1		1					2										0	2
04-13-2026	Gore Island	Chum	38	0.4								0										0	0
04-13-2026	Gore Island	Chum	37	0.5								0										0	0
04-13-2026	Gore Island	Chum	40	0.6	1							1										0	1
04-13-2026	Gore Island	Chum	36	0.4	1							1										0	1
04-13-2026	Gore Island	Chum	53	1.5	1	1	1					3										0	3
04-13-2026	Gore Island	Chum	37	0.5	1							1										0	1

Date Collected (yyyy-mm-dd)	Site Name	Fish Species	Length (mm)	Weight (g)	LEP Co	LEP C1	LEP C2	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP Total	Cal Co	Cal C1	Cal C2	Cal C3	Cal C4	CAL PAM	CAL PAF	CAL AM	CAL AF	CAL Total	Total Lice
04-13-2026	Gore Island	Chum	38	0.4								0										0	0
04-13-2026	Gore Island	Chum	48	1.2	2	1						3										0	3
04-13-2026	Gore Island	Chum	39	0.5	1							1										0	1
04-13-2026	Gore Island	Chum	36	0.4	4							4										0	4
04-13-2026	Gore Island	Chum	38	0.5	1							1										0	1
04-13-2026	Gore Island	Chum	36	0.5		1	1					2										0	2
04-13-2026	Gore Island	Chum	37	0.4	4							4										0	4
04-13-2026	Gore Island	Chum	38	0.5	2							2										0	2
04-13-2026	Gore Island	Chum	48	1.2	1	3						4										0	4
04-13-2026	Gore Island	Chum	48	1.3	5	5	2					12										0	12
04-13-2026	Gore Island	Chum	39	0.5	5							5										0	5
04-13-2026	Gore Island	Chum	39	0.5								0										0	0
04-13-2026	Gore Island	Chum	38	0.5								0										0	0
04-13-2026	Gore Island	Chum	43	0.7	1							1										0	1
04-13-2026	Gore Island	Chum	43	0.8	5							5										0	5
04-13-2026	Gore Island	Chum	39	0.6	3							3										0	3
04-13-2026	Gore Island	Chum	38	0.5	2							2										0	2
04-13-2026	Gore Island	Chum	38	0.5	2							2										0	2
04-13-2026	Hanna Channel	Chum	44	0.8	1	2						3										0	3
04-13-2026	Hanna Channel	Chum	39	0.5								0										0	0
04-13-2026	Hanna Channel	Chum	41	0.6								0										0	0
04-13-2026	Hanna Channel	Chum	40	0.7	1	1						2										0	2
04-13-2026	Hanna Channel	Chum	55	1.6	1	1						2										0	2
04-13-2026	Hanna Channel	Chum	41	0.7								0										0	0
04-13-2026	Hanna Channel	Chum	47	1.2	2	2						4										0	4
04-13-2026	Hanna Channel	Chum	50	1.4	1	3						4			1							1	5
04-13-2026	Hanna Channel	Chum	48	1.2	1	1						2										0	2
04-13-2026	Hanna Channel	Chum	41	0.7	1							1										0	1
04-13-2026	Hanna Channel	Chum	57	1.9	2							2										0	2
04-13-2026	Hanna Channel	Chum	39	0.6	1							1										0	1
04-13-2026	Hanna Channel	Chum	39	0.6								0										0	0
04-13-2026	Hanna Channel	Chum	42	0.7	2	2						4										0	4
04-13-2026	Hanna Channel	Chum	44	0.9		2						2										0	2
04-13-2026	Hanna Channel	Chum	43	0.8								0										0	0

Date Collected (yyyy-mm-dd)	Site Name	Fish Species	Length (mm)	Weight (g)	LEP Co	LEP C1	LEP C2	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP Total	Cal Co	Cal C1	Cal C2	Cal C3	Cal C4	CAL PAM	CAL PAF	CAL AM	CAL AF	CAL Total	Total Lice
04-13-2026	Hanna Channel	Chum	50	1.3	1							1										0	1
04-13-2026	Hanna Channel	Chum	49	1.3								0										0	0
04-13-2026	Hanna Channel	Chum	52	1.6		3	1					4										0	4
04-13-2026	Hanna Channel	Chum	59	2.3	4							4										0	4
04-13-2026	Hanna Channel	Chum	40	0.7								0										0	0
04-13-2026	Hanna Channel	Chum	41	0.6								0										0	0
04-13-2026	Hanna Channel	Chum	38	0.6								0										0	0
04-13-2026	Hanna Channel	Chum	46	1.1	1	5	1					7										0	7
04-13-2026	Hanna Channel	Chum	39	0.5	1							1										0	1
04-13-2026	Hanna Channel	Chum	38	0.5								0										0	0
04-13-2026	Hanna Channel	Chum	38	0.5								0										0	0
04-13-2026	Hanna Channel	Chum	51	1.3	3	1	1					5										0	5
04-13-2026	Hanna Channel	Chum	44	1.0	2	2	1					5										0	5
04-13-2026	Hanna Channel	Chum	46	1.0	1							1										0	1
04-13-2026	Concepcion Point	Chum	59	2.3	3		1					4										0	4
04-13-2026	Concepcion Point	Chum	51	1.5	1	1	2					4									1	1	5
04-13-2026	Concepcion Point	Chum	54	1.7	8	3						11										0	11
04-13-2026	Concepcion Point	Chum	52	1.5	5							5										0	5
04-13-2026	Concepcion Point	Chum	45	1.1	4	4						8			1							1	9
04-13-2026	Concepcion Point	Chum	54	1.8	2	2						4										0	4
04-13-2026	Concepcion Point	Chum	55	2.0	4	1	3					8										0	8
04-13-2026	Concepcion Point	Chum	52	1.5	2	3						5										0	5
04-13-2026	Concepcion Point	Chum	59	2.5	2	2	5					9					1					1	10
04-13-2026	Concepcion Point	Chum	43	1.0	1	2						3										0	3
04-13-2026	Concepcion Point	Chum	43	0.8	4	4						8										0	8
04-13-2026	Concepcion Point	Chum	52	1.5		1	1					2										0	2
04-13-2026	Concepcion Point	Chum	48	1.3	3	3						6										0	6
04-13-2026	Concepcion Point	Chum	49	1.3	2	2	1					5										0	5

Date Collected (yyyy-mm-dd)	Site Name	Fish Species	Length (mm)	Weight (g)	LEP Co	LEP C1	LEP C2	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP Total	Cal Co	Cal C1	Cal C2	Cal C3	Cal C4	CAL PAM	CAL PAF	CAL AM	CAL AF	CAL Total	Total Lice
04-13-2026	Concepcion Point	Chum	46	1.2	4	4						8	1									1	9
04-13-2026	Concepcion Point	Chum	51	1.4	2	7	1					10		1								1	11
04-13-2026	Concepcion Point	Chum	43	0.9	2							2										0	2
04-13-2026	Concepcion Point	Chum	42	0.8	5	3						8										0	8
04-13-2026	Concepcion Point	Chum	47	1.1	7	1						8		1								1	9
04-13-2026	Concepcion Point	Chum	50	1.4	1	3	1					5										0	5
04-13-2026	Concepcion Point	Chum	51	1.6	1	2						3										0	3
04-13-2026	Concepcion Point	Chum	50	1.4	3	4	2					9										0	9
04-13-2026	Concepcion Point	Chum	52	1.6	1	2	4					7										0	7
04-13-2026	Concepcion Point	Chum	60	2.8	2	3						5										0	5
04-13-2026	Concepcion Point	Chum	55	2.1	1		3					4										0	4
04-13-2026	Concepcion Point	Chum	44	1.0	2	5						7										0	7
04-13-2026	Concepcion Point	Chum	41	0.8	1							1										0	1
04-13-2026	Concepcion Point	Chum	50	1.4	3	7	2					12										0	12
04-13-2026	Concepcion Point	Chum	53	1.8	4							4										0	4
04-13-2026	Concepcion Point	Chum	39	0.5	1							1										0	1
03-30-2026	Silverado Creek	Chum	39	0.5								0										0	0
03-30-2026	Silverado Creek	Chum	39	0.5								0										0	0
04-13-2026	Williamson	Chum	43	0.7		2						2										0	2
03-30-2026	East Mooyah	Chum	36	0.5								0										0	0
04-13-2026	Ous Point	Chum	45	0.8		3						3										0	3
03-30-2026	Williamson	Chum	37	0.4								0										0	0
03-30-2026	Williamson	Chum	39	0.5								0										0	0
03-30-2026	Williamson	Chum	35	0.3								0										0	0
03-30-2026	Williamson	Chum	42	0.7								0										0	0
03-30-2026	Williamson	Chum	40	0.5								0										0	0
03-30-2026	Williamson	Chum	39	0.5								0										0	0
03-30-2026	Williamson	Chum	42	0.6								0										0	0
03-30-2026	Williamson	Chum	39	0.5	1							1										0	1
03-30-2026	Williamson	Chum	38	0.5								0										0	0
03-30-2026	Williamson	Chum	41	0.6	1							1										0	1
03-30-2026	Williamson	Chum	42	0.7								0										0	0

Date Collected (yyyy-mm-dd)	Site Name	Fish Species	Length (mm)	Weight (g)	LEP Co	LEP C1	LEP C2	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP Total	Cal Co	Cal C1	Cal C2	Cal C3	Cal C4	CAL PAM	CAL PAF	CAL AM	CAL AF	CAL Total	Total Lice
03-30-2026	Williamson	Chum	38	0.5								0										0	0
03-30-2026	Williamson	Chum	38	0.5								0										0	0
03-30-2026	Williamson	Chum	40	0.5								0										0	0
03-30-2026	Williamson	Chum	38	0.4								0										0	0
03-30-2026	Williamson	Chum	39	0.5								0										0	0
03-30-2026	Williamson	Chum	40	0.5								0										0	0
03-30-2026	Williamson	Chum	44	0.8								0										0	0
03-30-2026	Williamson	Chum	42	0.7	1							1										0	1
03-30-2026	Williamson	Chum	40	0.5								0										0	0
03-30-2026	Williamson	Chum	37	0.5	1	1						2										0	2
03-30-2026	Williamson	Chum	39	0.5								0										0	0
03-30-2026	Williamson	Chum	40	0.6	1							1										0	1
03-30-2026	Williamson	Chum	37	0.5								0										0	0
03-30-2026	Williamson	Chum	36	0.4								0										0	0
03-30-2026	Williamson	Chum	36	0.4								0										0	0
03-30-2026	Williamson	Chum	41	0.6								0										0	0
03-30-2026	Williamson	Chum	35	0.3	1							1										0	1
03-30-2026	Williamson	Chum	37	0.4								0										0	0
03-30-2026	Williamson	Chum	39	0.6								0										0	0
03-30-2026	Concepcion Point	Chum	37	0.4								0										0	0
03-30-2026	Concepcion Point	Chum	39	0.5	1							1										0	1
03-30-2026	Concepcion Point	Chum	39	0.5								0										0	0
03-30-2026	Concepcion Point	Chum	40	0.5								0										0	0
03-30-2026	Concepcion Point	Chum	37	0.4								0										0	0
03-30-2026	Concepcion Point	Chum	41	0.5								0										0	0
03-30-2026	Concepcion Point	Chum	38	0.4								0										0	0
03-30-2026	Concepcion Point	Chum	37	0.4								0										0	0
03-30-2026	Concepcion Point	Chum	39	0.5								0										0	0
03-30-2026	Concepcion Point	Chum	37	0.4								0										0	0
03-30-2026	Concepcion Point	Chum	41	0.6								0										0	0
03-30-2026	Concepcion Point	Chum	41	0.6	2							2										0	2
03-30-2026	Concepcion Point	Chum	39	0.5	1							1										0	1
04-13-2026	North Muchalat	Chum	39	0.6	1							1										0	1
04-13-2026	North Muchalat	Chum	38	0.6								0										0	0

Date Collected (yyyy-mm-dd)	Site Name	Fish Species	Length (mm)	Weight (g)	LEP Co	LEP C1	LEP C2	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP Total	Cal Co	Cal C1	Cal C2	Cal C3	Cal C4	CAL PAM	CAL PAF	CAL AM	CAL AF	CAL Total	Total Lice
04-13-2026	North Muchalat	Chum	37	0.5								0										0	0
04-13-2026	North Muchalat	Chum	36	0.4								0										0	0
04-13-2026	North Muchalat	Chum	38	0.5								0										0	0
04-13-2026	North Muchalat	Chum	39	0.6								0										0	0
04-13-2026	North Muchalat	Chum	43	0.7	2							2										0	2
04-13-2026	North Muchalat	Chum	37	0.5								0										0	0
04-13-2026	North Muchalat	Chum	39	0.5								0										0	0
04-13-2026	North Muchalat	Chum	36	0.5								0										0	0
04-13-2026	North Muchalat	Chum	38	0.5	1							1										0	1
04-13-2026	North Muchalat	Chum	39	0.6								0										0	0
04-13-2026	North Muchalat	Chum	39	0.5	3	1						4										0	4
04-13-2026	North Muchalat	Chum	48	1.2								0										0	0
04-13-2026	North Muchalat	Chum	42	0.7	1							1										0	1
04-13-2026	North Muchalat	Chum	36	0.4								0										0	0
04-13-2026	North Muchalat	Chum	36	0.4	1							1										0	1
04-13-2026	North Muchalat	Chum	39	0.6	1							1										0	1
04-13-2026	North Muchalat	Chum	40	0.6	2							2										0	2
04-13-2026	North Muchalat	Chum	39	0.5	2							2										0	2
04-13-2026	North Muchalat	Chum	42	0.8	2	1						3										0	3
04-13-2026	North Muchalat	Chum	40	0.6	1							1										0	1
04-13-2026	North Muchalat	Chum	40	0.6			1					1										0	1
03-30-2026	Ous Point	Chinook	40	0.6								0										0	0
04-13-2026	Houston River	Chum	44	0.9	2	1						3										0	3
04-13-2026	Houston River	Chum	39	0.6	1							1										0	1
04-13-2026	Houston River	Chum	44	0.8			1					1										0	1
04-13-2026	Houston River	Chum	41	0.6	1							1										0	1
04-13-2026	Houston River	Chum	47	1.0	1							1										0	1
04-13-2026	Houston River	Chum	42	0.7								0										0	0

Date Collected (yyyy-mm-dd)	Site Name	Fish Species	Length (mm)	Weight (g)	LEP Co	LEP C1	LEP C2	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP Total	Cal Co	Cal C1	Cal C2	Cal C3	Cal C4	CAL PAM	CAL PAF	CAL AM	CAL AF	CAL Total	Total Lice
04-13-2026	Houston River	Chum	40	0.5	2							2										0	2
04-13-2026	Houston River	Chum	47	1.0			1					1										0	1
04-13-2026	Houston River	Chum	38	0.5								0										0	0
04-13-2026	Houston River	Chum	45	0.9		1						1										0	1
04-13-2026	Houston River	Chum	49	1.2		1	2					3										0	3
04-13-2026	Houston River	Chum	43	0.7	2							2										0	2
04-13-2026	Houston River	Chum	41	0.6	1							1										0	1
05-11-2026	Hois Point	Chinook	66	3.1	9			2	2			13										0	13
03-30-2026	Gore Island	Chum	36	0.5								0										0	0
03-30-2026	Gore Island	Chum	36	0.5	1							1										0	1
03-30-2026	Gore Island	Chum	40	0.6								0										0	0
03-30-2026	Gore Island	Chum	38	0.4								0										0	0
03-30-2026	Gore Island	Chum	40	0.5	1							1										0	1
03-30-2026	Gore Island	Chum	40	0.5								0										0	0
03-30-2026	Gore Island	Chum	36	0.4								0										0	0
03-30-2026	Gore Island	Chum	37	0.4								0										0	0
03-30-2026	Gore Island	Chum	37	0.5								0										0	0
03-30-2026	Gore Island	Chum	38	0.5								0										0	0
03-30-2026	Gore Island	Chum	40	0.5								0										0	0
03-30-2026	Gore Island	Chum	40	0.5	1							1										0	1
03-30-2026	Gore Island	Chum	38	0.6								0										0	0
03-30-2026	Gore Island	Chum	45	0.7	3							3										0	3
03-30-2026	Gore Island	Chum	42	0.7	3							3										0	3
03-30-2026	Gore Island	Chum	39	0.5								0										0	0
03-30-2026	Gore Island	Chum	41	0.6								0										0	0
03-30-2026	Gore Island	Chum	36	0.4								0										0	0
03-30-2026	Gore Island	Chum	38	0.4	1							1										0	1
03-30-2026	Gore Island	Chum	38	0.6								0										0	0
03-30-2026	Gore Island	Chum	41	0.6	1							1										0	1
03-30-2026	Gore Island	Chum	41	0.7	1							1										0	1
03-30-2026	Gore Island	Chum	42	0.8								0										0	0
03-30-2026	Gore Island	Chum	38	0.6								0										0	0
03-30-2026	Gore Island	Chum	46	0.9	4							4										0	4
03-30-2026	Gore Island	Chum	36	0.4								0										0	0
03-30-2026	Gore Island	Chum	42	0.7	2							2										0	2
03-30-2026	Gore Island	Chum	35	0.4								0										0	0
03-30-2026	Gore Island	Chum	36	0.4								0										0	0

Date Collected (yyyy-mm-dd)	Site Name	Fish Species	Length (mm)	Weight (g)	LEP Co	LEP C1	LEP C2	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP Total	Cal Co	Cal C1	Cal C2	Cal C3	Cal C4	CAL PAM	CAL PAF	CAL AM	CAL AF	CAL Total	Total Lice
05-11-2026	Concepcion Point	Coho	86	8.1	14				1	2		17										0	17
05-11-2026	Concepcion Point	Coho	75	4.9	12							12										0	12
05-11-2026	East Mooyah	Chum	39	0.6		3						3										0	3
05-11-2026	East Mooyah	Chum	42	0.7	1	1	2					4										0	4
05-11-2026	Mccurdy Creek	Chinook	42	0.8	5							5										0	5
03-30-2026	Hanna Channel	Chum	37	0.5								0										0	0
03-30-2026	Hanna Channel	Chum	39	0.6								0										0	0
03-30-2026	Hanna Channel	Chum	38	0.5								0										0	0
03-30-2026	Hanna Channel	Chum	38	0.5								0										0	0
03-30-2026	Hanna Channel	Chum	38	0.6								0										0	0
03-30-2026	Hanna Channel	Chum	39	0.5								0										0	0
03-30-2026	Hanna Channel	Chum	40	0.6								0										0	0
03-30-2026	Hanna Channel	Chum	38	0.5								0										0	0
03-30-2026	Hanna Channel	Chum	42	0.6	1							1										0	1
03-30-2026	Hanna Channel	Chum	39	0.5								0										0	0
03-30-2026	Hanna Channel	Chum	38	0.5								0										0	0
03-30-2026	Hanna Channel	Chum	42	0.6								0										0	0
03-30-2026	Hanna Channel	Chum	42	0.6								0										0	0
03-30-2026	Hanna Channel	Chum	40	0.5								0										0	0
03-30-2026	Hanna Channel	Chum	38	0.6								0										0	0
03-30-2026	Hanna Channel	Chum	41	0.4								0										0	0
03-30-2026	Hanna Channel	Chum	42	0.6								0										0	0
03-30-2026	Hanna Channel	Chum	45	0.7								0										0	0
03-30-2026	Hanna Channel	Chum	38	0.5								0										0	0
05-11-2026	North Muchalat	Coho	85	7.2				1				1										0	1
05-11-2026	Silverado Creek	Chinook	64	3.1	3	2	3		3			11										0	11
04-13-2026	Hois Point	Chum	40	0.5	3							3										0	3
04-13-2026	Hois Point	Chum	41	0.5	4							4										0	4
04-13-2026	Hois Point	Chum	38	0.4	1							1										0	1

Date Collected (yyyy-mm-dd)	Site Name	Fish Species	Length (mm)	Weight (g)	LEP Co	LEP C1	LEP C2	LEP PAM	LEP PAF	LEP AM	LEP AF	LEP Total	Cal Co	Cal C1	Cal C2	Cal C3	Cal C4	CAL PAM	CAL PAF	CAL AM	CAL AF	CAL Total	Total Lice
04-13-2026	Hois Point	Chum	42	0.7	1							1										0	1
04-13-2026	Hois Point	Chum	38	0.7	2	1						3										0	3
04-13-2026	Hois Point	Chum	39	0.4								0										0	0
04-13-2026	Hois Point	Chinook	45	0.9	3							3										0	3
04-13-2026	Jewitt Cove	Chum	40	0.6								0										0	0
04-13-2026	Jewitt Cove	Chum	44	0.8								0										0	0
04-13-2026	Jewitt Cove	Chum	39	0.6		1						1										0	1
04-13-2026	Jewitt Cove	Chum	42	0.6		1						1										0	1
04-13-2026	Jewitt Cove	Chum	41	0.6								0										0	0
04-13-2026	Jewitt Cove	Chum	43	0.7								0										0	0
04-13-2026	Jewitt Cove	Chum	38	0.5								0										0	0
04-13-2026	Jewitt Cove	Chum	41	0.7								0										0	0
04-13-2026	Jewitt Cove	Chum	43	0.8		1						1										0	1
04-13-2026	Jewitt Cove	Chum	41	0.8		1						1										0	1
04-13-2026	Jewitt Cove	Chum	40	0.6	2							2										0	2
04-13-2026	Jewitt Cove	Chum	45	0.9	1							1										0	1
04-13-2026	Jewitt Cove	Chum	42	0.7	1							1										0	1
04-13-2026	Jewitt Cove	Chum	38	0.6								0										0	0
04-13-2026	Jewitt Cove	Chum	40	0.6								0										0	0
04-13-2026	Jewitt Cove	Chum	40	0.6								0										0	0
04-13-2026	Jewitt Cove	Chum	45	0.9	1	2						3										0	3
04-13-2026	Jewitt Cove	Chum	42	0.7	1							1										0	1
04-13-2026	Jewitt Cove	Chum	48	1.1	1							1										0	1
04-13-2026	Jewitt Cove	Chum	44	0.8								0										0	0
04-13-2026	Jewitt Cove	Chum	40	0.6								0										0	0
04-13-2026	Jewitt Cove	Chum	40	0.5								0										0	0
04-13-2026	Jewitt Cove	Chum	41	0.6	1							1										0	1
04-13-2026	Jewitt Cove	Chum	46	0.9	1							1										0	1
04-13-2026	Jewitt Cove	Chum	45	0.8	1							1										0	1
04-13-2026	Jewitt Cove	Chum	42	0.8								0	1									1	1
04-13-2026	Jewitt Cove	Chum	43	0.8								0										0	0
04-13-2026	Jewitt Cove	Chum	43	0.8								0										0	0
04-13-2026	Jewitt Cove	Chum	41	0.5								0										0	0
04-13-2026	Jewitt Cove	Chum	42	0.8								0										0	0
04-13-2026	Villa Verde	Chum	40	0.5	2	2						4										0	4
04-13-2026	Villa Verde	Chum	40	0.6								0										0	0
04-13-2026	Villa Verde	Chum	45	0.9	1	1						2										0	2
04-13-2026	Villa Verde	Chum	39	0.5	1							1										0	1
04-13-2026	Villa Verde	Chum	46	0.9	3							3										0	3
04-13-2026	Villa Verde	Chum	38	0.3								0										0	0
04-13-2026	Villa Verde	Chum	40	0.6								0										0	0
04-13-2026	Villa Verde	Coho	93	9.2								0										0	0

