

Wild Juvenile Salmonid Monitoring Program 2026 Discovery Islands (North), BC

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Summary

Beach seine sampling was conducted on behalf of MOWI Canada West in the northern area of the Discovery Islands, BC in 2026. Sampling was completed to monitor sea lice abundance, prevalence, and intensity on juvenile wild salmon within the northern area of the Discovery Islands, BC.

Sampling was conducted during two separate sampling events in April and June 2026, selected to coincide with the peak outmigration period of juvenile salmonids. A sample event planned for mid-May could not be completed due to poor weather conditions over a 10-day period prior to and after the planned sampling date.

Sampling was completed at nine sites in the northern area of the Discovery Islands, BC. 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 nine 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 delivered to the Center for Aquatic Health Sciences (CAHS) or retained for laboratory analysis. Sea lice infestation data was tabulated by CAHS and provided to Mainstream Biological Consulting for reporting. 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 the northern area of the Discovery Islands, BC in 2026. A total of 270 wild juvenile salmonids underwent lab analysis for sea lice infestation including 94 chum salmon, 31 coho salmon, and 145 pink salmon. No Atlantic salmon (*Salmo salar*), chinook salmon, or sockeye salmon were captured during sampling completed within the northern area of the Discovery Islands, BC in 2026.

From the total sample population, 58 salmonids were infested with 77 sea lice. The calculated prevalence for the total sample population was 21.5 %, the sea lice abundance was 0.29, and the average intensity was 1.3 for the sample population collected in the northern area of the Discovery Islands in 2026.

A total of 507 chum salmon were captured, representing 46.6 % of all captured salmonids. Of the 507 chum captured, 94 were kept for lab analysis for sea lice infestation. A total of 17 chum smolts were found to be infested with a total of 22 lice resulting in a calculated prevalence of 18.1 %, abundance of 0.23 and an average intensity of 1.3 for the chum salmon sample population.

A total of 40 coho salmon were captured, representing 3.7 % of all captured salmonids. Of the 40 coho captured, 31 coho salmon were kept for lab analysis for sea lice infestation. A total of four coho salmon were found to be infested with a total of four lice

resulting in a calculated prevalence of 12.9 %, abundance of 0.13 and an average intensity of 1.0 for the coho salmon sample population.

A total of 541 pink salmon were captured, representing 49.7 % of all captured salmonids. Of the 541 pink captured, 145 were kept for lab analysis for sea lice infestation. A total of 37 pink smolts were found to be infested with a total of 51 lice resulting in a calculated prevalence of 12.9 %, abundance of 0.13 and an average intensity of 1.0 for the pink salmon sample population.

A total of 47 *Lepeophtheirus salmonis* sea lice of various life stages were identified on 36 juvenile salmon. A total of 30 *Caligus clemensi* sea lice of various life stages were identified on 27 juvenile salmon. Of the infested juvenile salmon, five juvenile salmon were found to be infested with both *L. salmonis* and *C. clemensi* sea lice (Appendix III).

A total of 15 *Lepeophtheirus salmonis* sea lice of various life stages were identified on 13 juvenile chum salmon and seven *Caligus clemensi* sea lice of chalimus life stages were found on five juvenile chum salmon. Of the infested chum, one was found to be infested with both *L. salmonis* and *C. clemensi* sea lice.

No *Lepeophtheirus salmonis* sea lice were identified on the juvenile coho salmon. Four *Caligus clemensi* sea lice of copepodid and chalimus life stages were found on four juvenile coho salmon. None of the infested coho were found to be infested with both *L. salmonis* and *C. clemensi* sea lice.

A total of 32 *Lepeophtheirus salmonis* sea lice of various life stages were identified on 23 juvenile pink salmon and 19 *Caligus clemensi* sea lice of various life stages were found on 18 juvenile pink salmon. Of the infested pink, four were found to be infested with both *L. salmonis* and *C. clemensi* sea lice.

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1.0 Introduction

Beach seine sampling was conducted at nine sites in the northern area of the Discovery Islands BC, in 2026 (Figure 1) to capture wild juvenile salmon on behalf of MOWI Canada West. Retained fish were analyzed by the Center for Aquatic Health Sciences (CAHS) for sea lice infestation. Two sampling events were completed on April 20 and June 10, 2026. Timing was selected to coincide with the estimated peak outmigration of juvenile salmonids in the northern area of the Discovery Islands, BC. A sample event planned for mid-May could not be completed due to poor weather conditions over a 10-day period prior to and after the planned sampling date.

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).

MOWI Canada West requested monitoring of sea lice abundance, prevalence, and intensity on juvenile wild salmon in the northern area of the Discovery Islands, BC. This data summary report documents the observed sea lice infestation rates on juvenile salmonids collected in the northern area of the Discovery Islands, BC in 2026. This is the tenth year that sampling was completed in the northern area of the Discovery Islands, BC by MOWI Canada West.

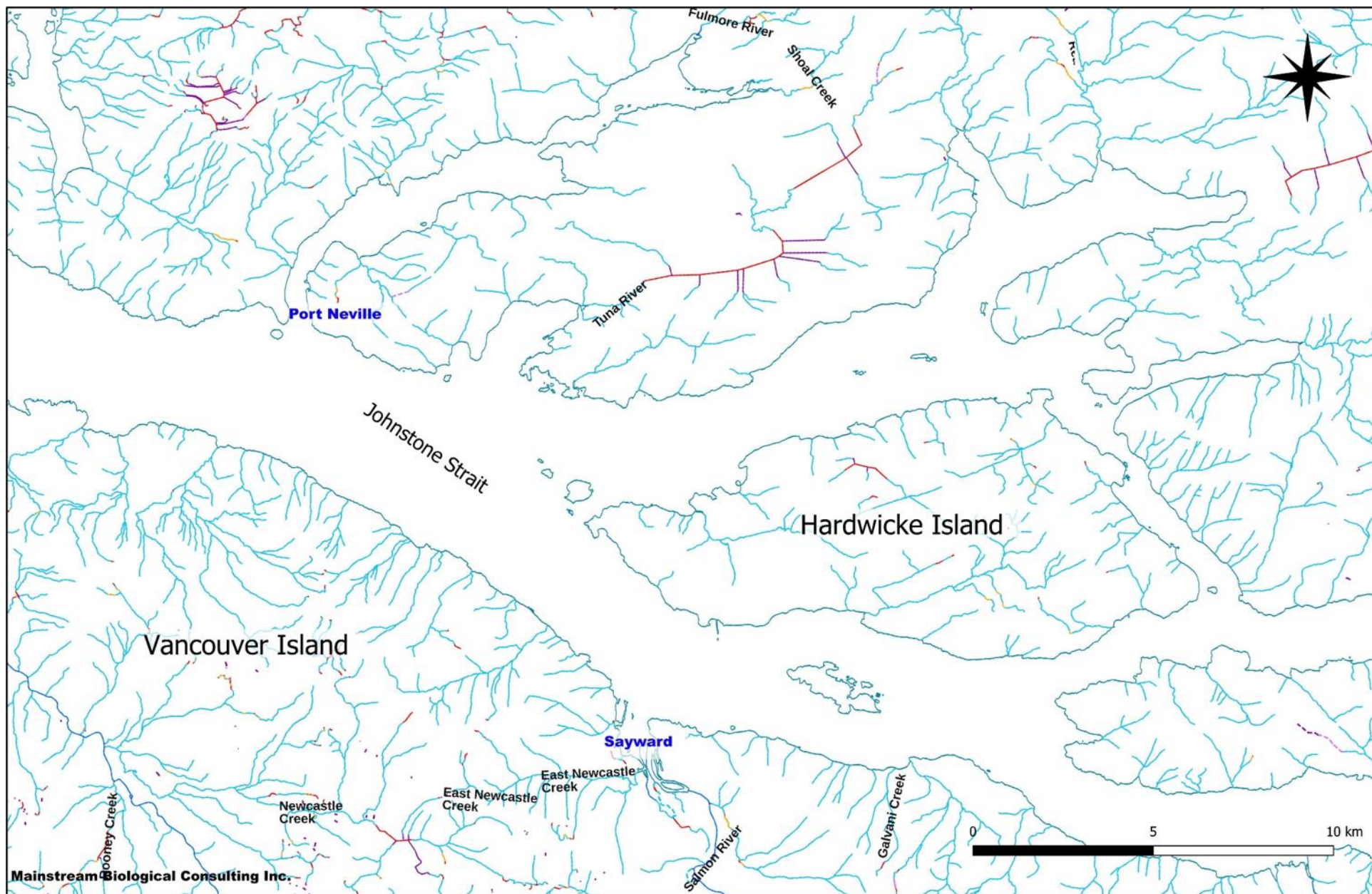


Figure 1: An overview map showing the location of the northern area of the Discovery Islands on the northeast coast of Vancouver Island, BC.

2.0 Methods

Juvenile salmonids were collected from nine sites in the northern area of the Discovery Islands, BC. These sites were chosen based on their locations relative to existing MOWI Canada West aquaculture sites in the area (Figure 2). The sites were sampled two times in April 20 and June 10, 2026.

2.1 Site Locations

The approximate locations of the nine sampling sites are shown in 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 nine beach seine sites where fish were collected for sea lice analysis in the north area of the Discovery Islands, BC in 2026.

Site #	Latitude	Longitude
Primary 1	50 25.8181	126 01.7950
Beautiful Bay	50 26.8650	126 04.9867
Primary 3	50 28.8634	126 04.0998
Blenkinsop Bay	50 28.6508	126 00.0547
Sunderland	50 28.2098	125 50.6068
Bessborough Bay	50 29.4089	125 46.6489
Wellbore Channel	50 27.1820	125 46.0723
Chancellor	50 24.5503	125 43.8844
Race Passage	50 23.0649	125 53.1970

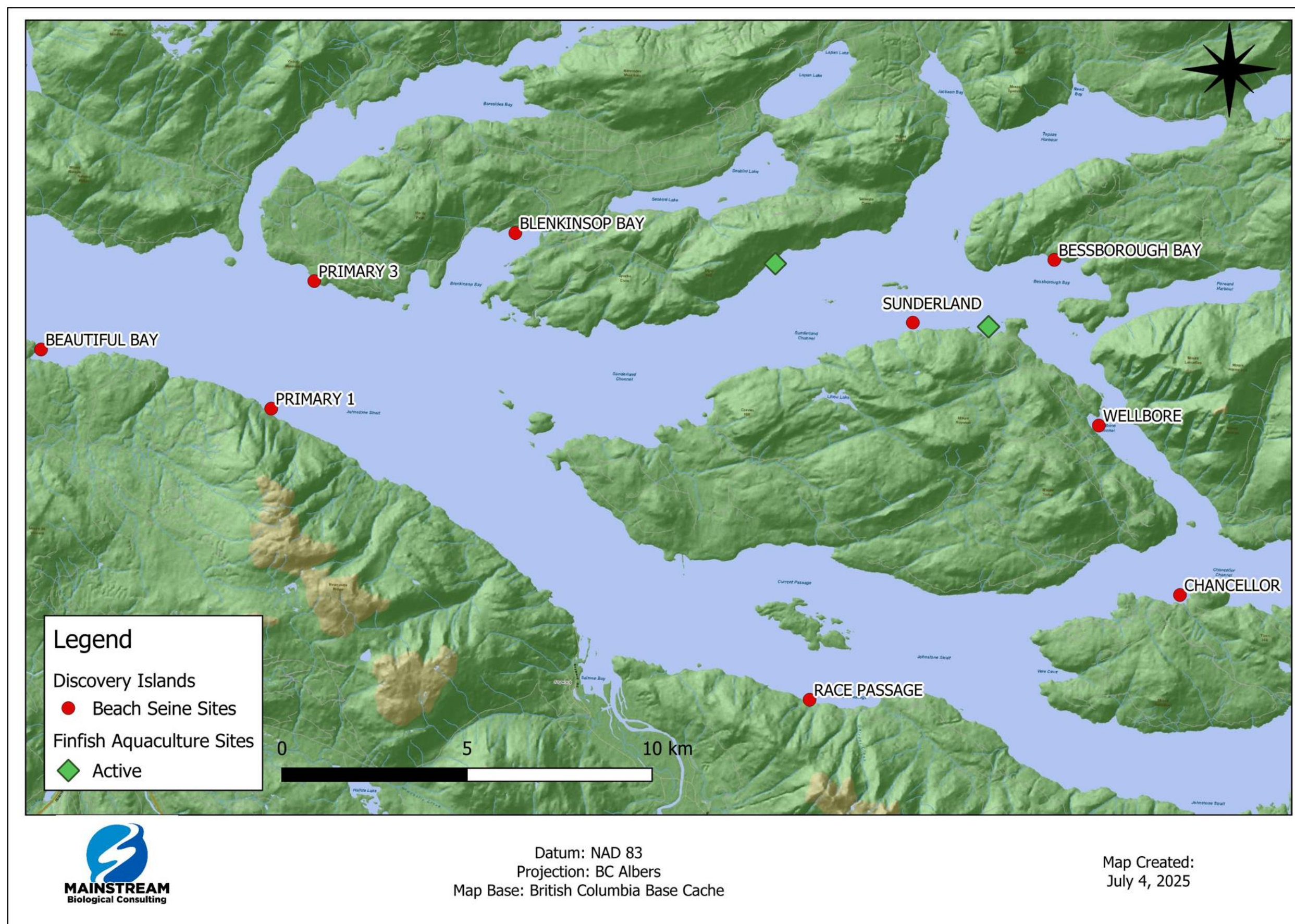


Figure 2: The locations of the nine beach seine sites in the northern area of the Discovery Islands, BC sampled in 2026.

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 topline. The onshore crewmember held the topline 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 topline 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

Frozen samples and delivered to the Center for Aquatic Health Sciences (CAHS) for laboratory analysis. Sea lice observed on the individual fish specimens during laboratory analysis were identified as either copepodids, non-motile chalimus, or motile pre-adults and adults. Lice were identified as either of the two chalimus stages for *Lepeophtheirus salmonis* (Hamre et al., 2013) or four chalimus stages for *Caligus clemensi*. Motile lice, either pre-adults or adults, were identified as either *Lepeophtheirus salmonis* or *Caligus clemensi* and the sex of the louse was determined. Sea lice infestation data was tabulated by CAHS and provided to Mainstream Biological Consulting for reporting.

Data provided by CAHS also included measured fork length in millimetres and weight (recorded to the nearest hundredth of a gram). Lengths and weights were recorded with the specimen's corresponding sea lice analysis results.

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 the northern area of the Discovery Islands, 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 nine 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 temperatures ranged from a low of 8.6 °C at Beautiful Bay and Primary 1 on April 20, 2026, to a high of 12.6 °C at Chancellor on June 10, 2026 (Table 2, Appendix I). The average surface water temperature increased over the two sampling periods.

Recorded surface water salinity ranged from a low of 22.8 ppt at Primary 1 on April 20, 2026, to a high of 24.8 ppt at Primary 3 on June 10, 2026 (Table 2, Appendix I). The average surface water salinity increased over the two sampling periods.

Recorded surface water dissolved oxygen ranged from a low of 7.1 mg/L at Race Passage on June 10, 2026, to a high of 10.7 mg/L at Bessborough Bay and Wellbore Channel on April 20, 2026 (Table 2, Appendix I). The average surface water dissolved oxygen decreased over the two sampling periods.

Recorded one meter water temperatures ranged from a low of 8.6 °C at Primary 3 on April 20, 2026, to a high of 10.6 °C at Blenkinsop Bay on June 10, 2026 (Table 3; Appendix I). The average one meter water temperature increased over the two sampling periods.

Recorded one meter water salinity ranged from a low of 23.3 ppt at Chancellor on April 20, 2026, to a high of 24.9 ppt at Primary 3 on June 10, 2026 (Table 3; Appendix I). The average one meter water salinity increased over the two sampling periods.

Recorded one meter dissolved oxygen ranged from a low of 6.7 mg/L at Race Passage on June 10, 2026, to a high of 10.2 mg/L at Wellbore Channel on April 20, 2026 (Table 3; Appendix I). The average one meter dissolved oxygen decreased over the two sampling periods.

Table 2: Surface water quality parameters collected during 2026 beach seine sampling in the northern area of the Discovery Islands, BC.

Site	April 20, 2026			June 10, 2026		
	Salinity (ppt)	Temp. (°C)	DO (mg/L)	Salinity (ppt)	Temp. (°C)	DO (mg/L)
Beautiful Bay	24.4	8.6	9.3	24.7	9.8	7.8
Bessborough Bay	23.6	10.0	10.7	24.5	10.2	8.3
Blenkinsop Bay	24.3	9.0	9.4	24.5	10.7	8.7
Chancellor	23.3	9.4	10.0	23.7	12.6	8.8
Primary 1	22.8	8.6	10.6	24.7	9.6	7.2
Primary 3	24.5	8.7	9.5	24.8	9.7	8.3
Race Passage	24.0	8.9	9.3	24.7	9.7	7.1
Sunderland	24.0	8.9	8.2	24.6	10.3	8.5
Wellbore Channel	23.8	9.2	10.7	24.4	10.7	7.7
Average	23.9	9.0	9.7	24.5	10.4	8.0

Table 3: One meter water quality parameters collected during 2026 beach seine sampling in the northern area of the Discovery Islands, BC.

Site	April 20, 2026			June 10, 2026		
	Salinity (ppt)	Temp. (°C)	DO (mg/L)	Salinity (ppt)	Temp. (°C)	DO (mg/L)
Beautiful Bay	24.5	8.7	9.5	24.8	9.7	7.5
Bessborough Bay	-	-	-	24.5	10.1	8.3
Blenkinsop Bay	24.3	9	9.1	24.6	10.6	8.6
Chancellor	23.3	9.4	9.9	-	-	-
Primary 1	-	-	-	-	-	-
Primary 3	24.5	8.6	9.3	24.9	9.7	7
Race Passage	24	8.9	9	24.7	9.7	6.7
Sunderland	24.1	8.8	9	24.7	10.1	8.4
Wellbore Channel	23.8	9.1	10.2	24.4	10.5	7.3
Average	24.1	8.9	9.4	24.7	10.1	7.7

3.2 Fish Sample Composition

A total of 1088 fish were captured during beach seine sampling conducted in the northern area of the Discovery Islands, 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 1088 fish captured, 94 chum, 31 coho, and 145 pink salmon were retained for lab analysis (Table 4). No Atlantic salmon, chinook salmon, or sockeye salmon were captured during sampling completed in the northern area of the Discovery Islands, BC in 2026.

Chum salmon (*Oncorhynchus keta*) and pink salmon (*O. gorbuscha*) were the most common caught species, representing 44.6 % and 49.7 % respectively of the captured population (Table 4).

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

Common Name	Capture Total (% of total capture)	Collection Totals	Collection %
chum	507 (46.6 %)	94	18.5
coho	40 (3.7 %)	31	77.5
pink	541 (49.7)	145	26.8
All Species	1088	270	24.8

Table 5: The number of captured fish and the number of individual fish collected by species from each of the nine sample sites in the northern area of the Discovery Islands, BC in 2026.

Site	Chum		Coho		Pink		Capture Totals	Sample Totals
	Capture Total	Sample Total	Capture Total	Sample Total	Capture Total	Sample Total		
Beautiful Bay	12	12	0	0	300	30	312	42
Bessborough Bay	400	31	0	0	19	19	419	50
Blenkinsop Bay	0	0	0	0	2	2	2	2
Chancellor	0	0	0	0	0	0	0	0
Primary 1	14	14	0	0	36	31	50	45
Primary 3	0	0	40	31	5	5	45	36
Race Passage	6	6	0	0	136	29	142	35
Sunderland	0	0	0	0	0	0	0	0
Wellbore Channel	75	31	0	0	43	29	118	60
Total	507	94	40	31	541	145	1088	270

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 Chum Salmon

Analysis of weight and fork length data was completed for the chum salmon sample population collected in the northern area of the Discovery Islands in 2026. The weight of 94 chum smolts collected during the two sample events ranged from 0.3 g to 16.3 g and averaged 1.5 g (SD = 1.9). The fork length of the chum smolts ranged from 32 mm to 106 mm and averaged 48 mm (SD = 12). Chum salmon weight and length data was summarized by month and shows an increase in both parameters in the sample population from April to June (Table 6 and Table 7).

3.3.2 Coho Salmon

Analysis of weight and fork length data was completed for the coho salmon sample population collected in the northern area of the Discovery Islands in 2026. The weight of 31 coho smolts collected during the two sample events ranged from 5.8 g to 27.4 g and averaged 11.1 g (SD = 4.4). The fork length of the coho smolts ranged from 76 mm to 119 mm and averaged 93 mm (SD = 13). Coho salmon weight and length data was summarized by month and shows an increase in both parameters in the sample population from April to June (Table 6 and Table 7).

3.3.3 Pink Salmon

Analysis of weight and fork length data was completed for the pink salmon sample population collected in the northern area of the Discovery Islands in 2026. The weight of 145 pink smolts collected during the two sample events ranged from 0.2 g to 7.3 g and averaged 1.3 g (SD = 4.4). The fork length of the pink smolts ranged from 26 mm to 81 mm and averaged 44 mm (SD = 15). Pink salmon weight and length data was summarized by month and shows an increase in both parameters in the sample population from April to June (Table 6 and Table 7).

Table 6: Average lengths of the chum, coho, and pink salmon collected in the northern area of the Discovery Islands, BC in 2026, summarized by sampling event.

Species	Length (mm)	
	April 20, 2026	June 10, 2026
chum	45	83
coho	92	119
pink	37	71

Table 7: Average weights of the chum, coho, and pink salmon collected in the northern area of the Discovery Islands, BC in 2026, summarized by sampling event.

Species	Weight (g)	
	April 20, 2026	June 10, 2026
chum	1.0	7.5
coho	10.9	18.6
pink	0.5	4.3

3.4 Sea Lice Infestation

The results of laboratory analysis for the presence of sea lice on the fish sample population collected in the northern area of the Discovery Islands, BC in 2026 are presented in Table 8. A complete dataset is included in Appendix III. A total of 270 samples were collected at nine sites in the northern area of the Discovery Islands, BC in 2026 and were inspected for sea lice infestation.

A total of 58 individuals in the sample population were found to be infested with 77 sea lice (Table 8). A total of 17 chum salmon, 4 coho salmon, and 37 pink salmon were found to be infested with sea lice (Table 8).

The sea lice prevalence in the sample population collected in the northern area of the Discovery Islands in 2026 was 21.5 % and the abundance was 0.29 (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 42 individuals to a maximum of three lice found on three individuals. The average intensity of lice on infected individuals was greatest on pink salmon (1.4 lice/fish) than on chum salmon (1.3 lice/fish) or coho salmon (1.0 lice/fish) (Table 8).

Table 8: Results of analysis for sea lice infestation on fish collected by beach seine in the northern area of the Discovery Islands, BC in 2026.

Species	Samples (n)	Lice (n)	Infested Fish (n)	Prevalence (%)	Abundance	Average Intensity
chum	94	22	17	18.1	0.23	1.3
coho	31	4	4	12.9	0.13	1.0
pink	145	51	37	25.5	0.35	1.4
Total	270	77	58	21.5	0.29	1.3

3.4.1 Infestation Rate on Chum Salmon

The results of the laboratory analysis for sea lice infestation for chum salmon are presented by site in Table 9. A total of 94 chum salmon were processed during laboratory analysis, and a total of 17 chum salmon were found to be infested with at least one sea louse. Chum smolts were found at four sites and samples from the four sites were infested with sea lice.

The prevalence of sea lice on the chum salmon sample population (n= 94) collected in the northern area of the Discovery Islands, BC was 18.1 %. Sea lice prevalence calculated by site for chum salmon is presented in Table 9. The highest sea lice prevalence (32.3 %) was found at Wellbore Channel.

The abundance of sea lice on the chum salmon sample population (n= 94) collected in the northern area of the Discovery Islands, BC in 2026, was 0.23. The 22 sea lice identified were observed on 17 individual chum salmon resulting in an average intensity of 1.3. Sea lice abundance and intensity were calculated by site and are presented in Table 9. The highest sea lice abundance (0.42) was found at Wellbore Channel. The

highest average intensity (1.3) was found at Beautiful Bay, Bessborough Bay, and Wellbore Channel.

Table 9: Total number, prevalence, abundance, and intensity of sea lice infestation on chum salmon collected in the northern area of the Discovery Islands, 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
Beautiful Bay	12	3	0.7	4	25.0	0.33	1.3
Bessborough Bay	31	3	1.5	4	9.7	0.13	1.3
Blenkinsop Bay	0	0	-	0	-	-	-
Chancellor	0	0	-	0	-	-	-
Primary 1	14	0	-	0	0.0	0.00	-
Primary 3	0	0	-	0	-	-	-
Race Passage	6	1	16.3	1	16.7	0.17	1.0
Sunderland	0	0	-	0	-	-	-
Wellbore Channel	31	10	1.0	13	32.3	0.42	1.3
Total	94	17	4.9	22	18.1	0.23	1.3

3.4.2 Infestation Rate on Coho Salmon

The results of the laboratory analysis for sea lice infestation for coho salmon are presented by site in Table 10. A total of 31 coho salmon were processed during laboratory analysis, and a total of four coho salmon were found to be infested with at least one sea louse. Coho smolts were only found at Primary 3.

The prevalence of sea lice on the coho salmon sample population (n= 31) collected in the northern area of the Discovery Islands, BC, was 12.9 %. Sea lice prevalence calculated by site for coho salmon is presented in Table 10.

The abundance of sea lice on the coho salmon sample population (n= 31) collected in the northern area of the Discovery Islands, BC in 2026, was 0.13. The four sea lice identified were observed on four individual coho salmon resulting in an average intensity of 1.0. Sea lice abundance and intensity were calculated by site and are presented in Table 10.

Table 10: Total number, prevalence, abundance, and intensity of sea lice infestation on coho salmon collected in the northern area of the Discovery Islands, 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
Beautiful Bay	0	0	-	0	-	-	-
Bessborough Bay	0	0	-	0	-	-	-
Blenkinsop Bay	0	0	-	0	-	-	-
Chancellor	0	0	-	0	-	-	-
Primary 1	0	0	-	0	-	-	-
Primary 3	31	4	10.1	4	12.9	0.13	1.0
Race Passage	0	0	-	0	-	-	-
Sunderland	0	0	-	0	-	-	-
Wellbore Channel	0	0	-	0	-	-	-
Total	31	4	10.1	4	12.9	0.13	1.0

3.4.3 Infestation Rate on Pink Salmon

The results of the laboratory analysis for sea lice infestation for pink salmon are presented by site in Table 11. A total of 145 pink salmon were processed during laboratory analysis, and a total of 37 pink salmon were found to be infested with at least one sea louse. Pink smolts were found at seven sites and samples from six of the seven sites were infested with sea lice.

The prevalence of sea lice on the pink salmon sample population (n= 145) collected in the northern area of the Discovery Islands, BC, was 25.5 %. Sea lice prevalence calculated by site for pink salmon is presented in Table 11. The highest sea lice prevalence (44.8 %) was found at Wellbore Channel.

The abundance of sea lice on the pink salmon sample population (n= 145) collected in the northern area of the Discovery Islands, BC in 2026, was 0.35. The 51 sea lice identified were observed on 37 individual pink salmon resulting in an average intensity of 1.4. Sea lice abundance and intensity were calculated by site and are presented in Table 11. The highest sea lice abundance (0.74) and the highest average intensity (1.8) was found at Bessborough Bay.

Table 11: Total number, prevalence, abundance, and intensity of sea lice infestation on pink salmon collected in the northern area of the Discovery Islands, BC in 2026, summarized by sampling site.

Site	Pink Analyzed (n)	Infested Pink (n)	Average Weight Infested Pink (g)	Lice (n)	Prevalence (%)	Abundance	Average Intensity
Beautiful Bay	30	6	0.5	7	20.0	0.23	1.2
Bessborough Bay	19	8	0.8	14	42.1	0.74	1.8
Blenkinsop Bay	2	0	-	0	0.0	0.00	-
Chancellor	0	0	-	0	-	-	-
Primary 1	31	4	0.3	4	12.9	0.13	1.0
Primary 3	5	1	0.3	1	20.0	0.20	1.0
Race Passage	29	5	4.1	5	17.2	0.17	1.0
Sunderland	0	0	-	0	-	-	-
Wellbore Channel	29	13	0.5	20	44.8	0.69	1.5
Total	145	37	1.1	51	25.5	0.35	1.4

3.5 Infestation by Sea Lice Species

A total of 47 *L. salmonis* sea lice of various life stages were identified on 36 juvenile salmon, and 30 *C. clemensi* sea lice of various life stages were identified on 27 juvenile salmon. Of the infested juvenile salmon, five were found to be infested with both *L. salmonis* and *C. clemensi* sea lice (Appendix III).

3.5.1 Infestation by Life Stage on Chum Salmon

A total of 15 *L. salmonis* sea lice of various life stages were identified on 13 juvenile chum salmon, and seven *C. clemensi* sea lice of chalimus life stages were found on five juvenile chum salmon. Of the infested chum, one was 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 12. An analysis of sea lice species on infested chum 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 chum salmon sample population from the northern area of the Discovery Islands, BC, in 2026.

Life Stage ¹	April 20, 2026	June 10, 2026
LEP Co	3	0
LEP C1	4	0
LEP C2	2	0
LEP NM No ID	-	-
LEP PAM	1	0
LEP PAF	4	0
LEP AM	0	0
LEP AF	0	1
Total LEP	14	1
CAL Co	0	0
CAL C1	4	0
CAL C2	2	0
CAL C3	0	0
CAL C4	1	0
CAL NM No ID	-	-
CAL PAM	0	0
CAL PAF	0	0
CAL AM	0	0
CAL AF	0	0
Total CAL	7	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 chum salmon collected in the northern area of the Discovery Islands, BC in 2026, summarized by sampling site.

Site	Sample Period								Total		
	April 20, 2026				June 10, 2026						
	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)	Lice (n)
Beautiful Bay	12	3	3	1	0	0	0	0	12	3	4
Bessborough Bay	31	3	1	3	0	0	0	0	31	3	4
Blenkinsop Bay	0	0	0	0	0	0	0	0	0	0	0
Chancellor	0	0	0	0	0	0	0	0	0	0	0
Primary 1	14	0	0	0	0	0	0	0	14	0	0
Primary 3	0	0	0	0	0	0	0	0	0	0	0
Race Passage	0	0	0	0	6	1	1	0	6	1	1
Sunderland	0	0	0	0	0	0	0	0	0	0	0
Wellbore Channel	31	10	10	3	0	0	0	0	31	10	13
Total	88	16	14	7	6	1	1	0	94	17	22

3.5.2 Infestation by Life Stage on Coho Salmon

No *L. salmonis* sea lice were identified on the juvenile coho salmon. Four *C. clemensi* sea lice of chalimus and copepodid life stages were found on four juvenile coho salmon. No juvenile coho salmon 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 coho 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 coho salmon sample population from the northern area of the Discovery Islands, BC in 2026.

Life Stage ¹	April 20, 2026	June 10, 2026
LEP Co	0	0
LEP C1	0	0
LEP C2	0	0
LEP NM No ID	-	-
LEP PAM	0	0
LEP PAF	0	0
LEP AM	0	0
LEP AF	0	0
Total LEP	0	0
CAL Co	3	0
CAL C1	1	0
CAL C2	0	0
CAL C3	0	0
CAL C4	0	0
CAL NM No ID	-	-
CAL PAM	0	0
CAL PAF	0	0
CAL AM	0	0
CAL AF	0	0
Total CAL	4	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 coho salmon collected in the northern area of the Discovery Islands, BC in 2026, summarized by sampling site.

Site	Sample Period								Total		
	April 20, 2026				June 10, 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)	Coho Analyzed (n)	Coho Infested (n)	Lice (n)
Beautiful Bay	0	0	0	0	0	0	0	0	0	0	0
Bessborough Bay	0	0	0	0	0	0	0	0	0	0	0
Blenkinsop Bay	0	0	0	0	0	0	0	0	0	0	0
Chancellor	0	0	0	0	0	0	0	0	0	0	0
Primary 1	0	0	0	0	0	0	0	0	0	0	0
Primary 3	30	4	0	4	0	0	0	0	30	4	4
Race Passage	0	0	0	0	0	0	0	0	0	0	0
Sunderland	0	0	0	0	0	0	0	0	0	0	0
Wellbore Channel	0	0	0	0	0	0	0	0	0	0	0
Total	30	4	0	4	0	0	0	0	30	4	4

3.5.3 Infestation by Life Stage on Pink Salmon

A total of 32 *L. salmonis* sea lice of various life stages were identified on 23 juvenile pink salmon, and 19 *C. clemensi* sea lice of various life stages were found on 18 juvenile pink salmon. Of the infested pink, four 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 16. An analysis of sea lice species on infested pink 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 pink salmon sample population from the northern area of the Discovery Islands, BC, in 2026.

Life Stage ¹	April 20, 2026	June 10, 2026
LEP Co	8	0
LEP C1	17	0
LEP C2	4	0
LEP NM No ID	-	-
LEP PAM	0	1
LEP PAF	2	0
LEP AM	0	0
LEP AF	0	0
Total LEP	31	1
CAL Co	0	0
CAL C1	12	3
CAL C2	2	0
CAL C3	0	0
CAL C4	1	0
CAL NM No ID	-	-
CAL PAM	0	0
CAL PAF	0	0
CAL AM	0	1
CAL AF	0	0
Total CAL	15	4

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 pink salmon collected in the northern area of the Discovery Islands, BC in 2026, summarized by sampling site.

Site	Sample Period								Total		
	April 20, 2026				June 10, 2026				Pink Analyzed (n)	Pink Infested (n)	Lice (n)
	Pink Analyzed (n)	Pink Infested (n)	<i>L. salmonis</i> (n)	<i>C. clemensi</i> (n)	Pink Analyzed (n)	Pink Infested (n)	<i>L. salmonis</i> (n)	<i>C. clemensi</i> (n)			
Beautiful Bay	30	6	5	2	0	0	0	0	30	6	7
Bessborough Bay	19	8	11	3	0	0	0	0	19	8	14
Blenkinsop Bay	1	0	0	0	1	0	0	0	2	0	0
Chancellor	0	0	0	0	0	0	0	0	0	0	0
Primary 1	31	4	0	4	0	0	0	0	31	4	4
Primary 3	4	1	0	1	1	0	0	0	5	1	1
Race Passage	0	0	0	0	29	5	1	4	29	5	5
Sunderland	0	0	0	0	0	0	0	0	0	0	0
Wellbore Channel	29	13	15	5	0	0	0	0	29	13	20
Total	114	32	31	15	31	5	1	4	145	37	51

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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
20-04-2026	08:40:00	Primary 1	22.8	8.6	10.6	-	-	-
20-04-2026	09:02:00	Beautiful Bay	24.4	8.6	9.3	24.5	8.7	9.5
20-04-2026	09:24:00	Primary 3	24.5	8.7	9.5	24.5	8.6	9.3
20-04-2026	09:48:00	Blenkinsop Bay	24.3	9.0	9.4	24.3	9.0	9.1
20-04-2026	10:15:00	Sunderland	24.0	8.9	8.2	24.1	8.8	9.0
20-04-2026	10:31:00	Bessborough Bay	23.6	10.0	10.7	-	-	-
20-04-2026	11:01:00	Wellbore Channel	23.8	9.2	10.7	23.8	9.1	10.2
20-04-2026	11:30:00	Chancellor	23.3	9.4	10.0	23.3	9.4	9.9
20-04-2026	11:56:00	Race Passage	24.0	8.9	9.3	24.0	8.9	9.0
10-06-2026	08:36:00	Primary 1	24.7	9.6	7.2	-	-	-
10-06-2026	08:53:00	Beautiful Bay	24.7	9.8	7.8	24.8	9.7	7.5
10-06-2026	09:03:00	Primary 3	24.8	9.7	8.3	24.9	9.7	7.0
10-06-2026	09:19:00	Blenkinsop Bay	24.5	10.7	8.7	24.6	10.6	8.6
10-06-2026	09:45:00	Sunderland	24.6	10.3	8.5	24.7	10.1	8.4
10-06-2026	10:01:00	Bessborough Bay	24.5	10.2	8.3	24.5	10.1	8.3
10-06-2026	10:16:00	Wellbore Channel	24.4	10.7	7.7	24.4	10.5	7.3
10-06-2026	10:32:00	Chancellor	23.7	12.6	8.8	-	-	-
10-06-2026	10:58:00	Race Passage	24.7	9.7	7.1	24.7	9.7	6.7

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
20-04-2026	08:40:00	Primary 1	Calm, clear	Mid	36	31	14	14	0	0	0	0	0	0	0	Gunnel, kelp crab
20-04-2026	09:02:00	Beautiful Bay	Calm, sun	Mid	300	30	12	12	0	0	0	0	0	0	2	Gunnel, 5 sculpin, 4 stripped perch
20-04-2026	09:24:00	Primary 3	Calm, sun, strong tide	Mid	4	4	0	0	39	30	0	0	0	0	0	Sandlance
20-04-2026	09:48:00	Blenkinsop Bay	Calm, sun	Low	1	1	0	0	0	0	0	0	0	0	0	None
20-04-2026	10:15:00	Sunderland	Calm, sun	Low	0	0	0	0	0	0	0	0	0	0	0	2 sculpin, 5 shrimp
20-04-2026	10:31:00	Bessborough Bay	Calm, sun	Low	19	19	400	31	0	0	0	0	0	0	2	5 sculpin, 10 pipefish
20-04-2026	11:01:00	Wellbore Channel	Calm, sun	Low	43	29	75	31	0	0	0	0	0	0	0	5 sculpin, 10 urchins
20-04-2026	11:30:00	Chancellor	Calm, sun	Low	0	0	0	0	0	0	0	0	0	0	0	4 tubesnout, 8 sculpin, juvenile ling
20-04-2026	11:56:00	Race Passage	Calm, sun, strong tide	Mid	0	0	0	0	0	0	0	0	0	0	0	2 shrimp
10-06-2026	08:36:00	Primary 1	Wind, swell	High	0	0	0	0	0	0	0	0	0	0	0	Swell
10-06-2026	08:53:00	Beautiful Bay	Wind	High	0	0	0	0	0	0	0	0	0	0	0	-
10-06-2026	09:03:00	Primary 3	Light wind	High	1	1	0	0	1	1	0	0	0	0	0	2 gunnel, 2 sandlance
10-06-2026	09:19:00	Blenkinsop Bay	Light wind	High	1	1	0	0	0	0	0	0	0	0	0	-
10-06-2026	09:45:00	Sunderland	Overcast	High	0	0	0	0	0	0	0	0	0	0	0	2 sculpin
10-06-2026	10:01:00	Bessborough Bay	Overcast	High	0	0	0	0	0	0	0	0	0	0	0	Ctenophores
10-06-2026	10:16:00	Wellbore Channel	Sun	Mid	0	0	0	0	0	0	0	0	0	0	0	1 shrimp, 1 sculpin
10-06-2026	10:32:00	Chancellor	Sun	Mid	0	0	0	0	0	0	0	0	0	0	0	Bluff set
10-06-2026	10:58:00	Race Passage	Overcast	Mid	136	29	6	6	0	0	0	0	0	0	0	Good set

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
20-04-2026	Primary 1	Pink	32	0.22								0										0	0
20-04-2026	Primary 1	Pink	33	0.27								0										0	0
20-04-2026	Primary 1	Pink	33	0.23								0										0	0
20-04-2026	Primary 1	Pink	35	0.37								0										0	0
20-04-2026	Primary 1	Pink	34	0.28								0										0	0
20-04-2026	Primary 1	Pink	37	0.37								0										0	0
20-04-2026	Primary 1	Pink	37	0.39								0										0	0
20-04-2026	Primary 1	Pink	34	0.35								0										0	0
20-04-2026	Primary 1	Pink	34	0.24								0										0	0
20-04-2026	Primary 1	Pink	35	0.25								0										0	0
20-04-2026	Primary 1	Pink	37	0.3								0										0	0
20-04-2026	Primary 1	Pink	36	0.33								0										0	0
20-04-2026	Primary 1	Pink	33	0.34								0	1									1	1
20-04-2026	Primary 1	Pink	30	0.29								0										0	0
20-04-2026	Primary 1	Chum	35	0.36								0										0	0
20-04-2026	Primary 1	Pink	33	0.33								0										0	0
20-04-2026	Primary 1	Pink	32	0.26								0										0	0
20-04-2026	Primary 1	Pink	33	0.28								0										0	0
20-04-2026	Primary 1	Pink	34	0.32								0										0	0
20-04-2026	Primary 1	Pink	36	0.37								0	1									1	1
20-04-2026	Primary 1	Pink	36	0.38								0										0	0
20-04-2026	Primary 1	Pink	32	0.29								0										0	0
20-04-2026	Primary 1	Pink	33	0.28								0										0	0
20-04-2026	Primary 1	Pink	34	0.33								0	1									1	1
20-04-2026	Primary 1	Pink	35	0.38								0										0	0
20-04-2026	Primary 1	Pink	26	0.24								0										0	0
20-04-2026	Primary 1	Pink	34	0.3								0										0	0
20-04-2026	Primary 1	Pink	34	0.33								0										0	0
20-04-2026	Primary 1	Pink	40	0.55								0										0	0
20-04-2026	Primary 1	Pink	34	0.31								0										0	0
20-04-2026	Primary 1	Pink	33	0.27								0										0	0
20-04-2026	Primary 1	Pink	32	0.25								0	1									1	1
20-04-2026	Primary 1	Chum	39	0.51								0										0	0
20-04-2026	Primary 1	Chum	35	0.37								0										0	0
20-04-2026	Primary 1	Chum	34	0.35								0										0	0
20-04-2026	Primary 1	Chum	35	0.33								0										0	0
20-04-2026	Primary 1	Chum	38	0.44								0										0	0
20-04-2026	Primary 1	Chum	39	0.52								0										0	0
20-04-2026	Primary 1	Chum	32	0.4								0										0	0
20-04-2026	Primary 1	Chum	32	0.4								0										0	0
20-04-2026	Primary 1	Chum	39	0.56								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
20-04-2026	Primary 1	Chum	38	0.49								0										0	0
20-04-2026	Primary 1	Chum	36	0.4								0										0	0
20-04-2026	Primary 1	Chum	38	0.44								0										0	0
20-04-2026	Primary 1	Chum	37	0.51								0										0	0
20-04-2026	Beautiful Bay	Chum	39	0.45								0										0	0
20-04-2026	Beautiful Bay	Chum	39	0.53								0										0	0
20-04-2026	Beautiful Bay	Chum	37	0.4								0										0	0
20-04-2026	Beautiful Bay	Chum	39	0.44								0										0	0
20-04-2026	Beautiful Bay	Chum	40	0.52								0										0	0
20-04-2026	Beautiful Bay	Chum	49	1.03								0										0	0
20-04-2026	Beautiful Bay	Chum	37	0.35	1							1										0	1
20-04-2026	Beautiful Bay	Chum	41	0.73	1							1										0	1
20-04-2026	Beautiful Bay	Chum	38	0.47								0										0	0
20-04-2026	Beautiful Bay	Chum	44	0.69								0										0	0
20-04-2026	Beautiful Bay	Chum	36	0.43								0										0	0
20-04-2026	Beautiful Bay	Chum	47	1.11					1			1	1									1	2
20-04-2026	Beautiful Bay	Pink	36	0.46								0										0	0
20-04-2026	Beautiful Bay	Pink	35	0.35								0										0	0
20-04-2026	Beautiful Bay	Pink	33	0.27								0										0	0
20-04-2026	Beautiful Bay	Pink	38	0.48								0										0	0
20-04-2026	Beautiful Bay	Pink	33	0.43								0										0	0
20-04-2026	Beautiful Bay	Pink	34	0.41								0										0	0
20-04-2026	Beautiful Bay	Pink	33	0.32								0										0	0
20-04-2026	Beautiful Bay	Pink	35	0.37								0										0	0
20-04-2026	Beautiful Bay	Pink	35	0.33								0										0	0
20-04-2026	Beautiful Bay	Pink	34	0.31								0										0	0
20-04-2026	Beautiful Bay	Pink	32	0.31								0										0	0
20-04-2026	Beautiful Bay	Pink	43	0.72					1			1										0	1
20-04-2026	Beautiful Bay	Pink	38	0.53								0										0	0
20-04-2026	Beautiful Bay	Pink	42	0.73								0										0	0
20-04-2026	Beautiful Bay	Pink	36	0.43			1					0										0	0
20-04-2026	Beautiful Bay	Pink	40	0.53								1										0	1
20-04-2026	Beautiful Bay	Pink	33	0.31								0										0	0
20-04-2026	Beautiful Bay	Pink	36	0.34								0										0	0
20-04-2026	Beautiful Bay	Pink	32	0.31								0	1									1	1
20-04-2026	Beautiful Bay	Pink	35	0.38		1						1										0	1
20-04-2026	Beautiful Bay	Pink	37	0.49								0										0	0
20-04-2026	Beautiful Bay	Pink	36	0.39	1							1										0	1
20-04-2026	Beautiful Bay	Pink	32	0.32								0										0	0
20-04-2026	Beautiful Bay	Pink	34	0.39								0										0	0
20-04-2026	Beautiful Bay	Pink	36	0.42								0										0	0
20-04-2026	Beautiful Bay	Pink	35	0.39								0										0	0
20-04-2026	Beautiful Bay	Pink	33	0.32								0										0	0
20-04-2026	Beautiful Bay	Pink	42	0.68								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
20-04-2026	Beautiful Bay	Pink	36	0.39								0										0	0
20-04-2026	Beautiful Bay	Pink	41	0.7		1						1		1								1	2
20-04-2026	Bessborough Bay	Pink	47	1.1								0										0	0
20-04-2026	Bessborough Bay	Pink	42	0.69		1	1					2										0	2
20-04-2026	Bessborough Bay	Pink	41	0.59								0										0	0
20-04-2026	Bessborough Bay	Pink	33	0.31								0										0	0
20-04-2026	Bessborough Bay	Pink	39	0.63		1						1		1								1	2
20-04-2026	Bessborough Bay	Pink	37	0.52								0										0	0
20-04-2026	Bessborough Bay	Pink	40	0.62								0										0	0
20-04-2026	Bessborough Bay	Pink	33	0.4								0										0	0
20-04-2026	Bessborough Bay	Pink	44	0.88	1				1			2										0	2
20-04-2026	Bessborough Bay	Pink	43	0.74								0					1					1	1
20-04-2026	Bessborough Bay	Pink	55	1.71	1							1										0	1
20-04-2026	Bessborough Bay	Pink	40	0.59								0										0	0
20-04-2026	Bessborough Bay	Pink	41	0.64								0										0	0
20-04-2026	Bessborough Bay	Pink	40	0.61		1	1					2										0	2
20-04-2026	Bessborough Bay	Pink	45	0.93								0										0	0
20-04-2026	Bessborough Bay	Pink	36	0.46								0										0	0
20-04-2026	Bessborough Bay	Pink	33	0.42		3						3										0	3
20-04-2026	Bessborough Bay	Pink	49	1.15								0										0	0
20-04-2026	Bessborough Bay	Pink	31	0.48								0			1							1	1
20-04-2026	Bessborough Bay	Chum	59	1.99								0										0	0
20-04-2026	Bessborough Bay	Chum	53	1.72								0										0	0
20-04-2026	Bessborough Bay	Chum	49	1.34								0										0	0
20-04-2026	Bessborough Bay	Chum	52	1.67								0		1								1	1
20-04-2026	Bessborough Bay	Chum	47	1.13								0										0	0
20-04-2026	Bessborough Bay	Chum	44	0.87								0										0	0
20-04-2026	Bessborough Bay	Chum	47	0.96								0										0	0
20-04-2026	Bessborough Bay	Chum	48	1.25								0										0	0
20-04-2026	Bessborough Bay	Chum	46	1.02								0										0	0
20-04-2026	Bessborough Bay	Chum	52	1.57								0										0	0
20-04-2026	Bessborough Bay	Chum	51	1.49	1							1										0	1
20-04-2026	Bessborough Bay	Chum	54	1.35								0										0	0
20-04-2026	Bessborough Bay	Chum	51	1.32								0		2								2	2
20-04-2026	Bessborough Bay	Chum	52	1.36								0										0	0
20-04-2026	Bessborough Bay	Chum	51	1.32								0										0	0
20-04-2026	Bessborough Bay	Chum	50	1.64								0										0	0
20-04-2026	Bessborough Bay	Chum	54	1.76								0										0	0
20-04-2026	Bessborough Bay	Chum	55	1.78								0										0	0
20-04-2026	Bessborough Bay	Chum	52	1.4								0										0	0
20-04-2026	Bessborough Bay	Chum	58	2.33								0										0	0
20-04-2026	Bessborough Bay	Chum	56	1.8								0										0	0
20-04-2026	Bessborough Bay	Chum	70	3.27								0										0	0
20-04-2026	Bessborough Bay	Chum	47	1.26								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
20-04-2026	Bessborough Bay	Chum	49	1.55								0										0	0
20-04-2026	Bessborough Bay	Chum	58	1.86								0										0	0
20-04-2026	Bessborough Bay	Chum	51	1.96								0										0	0
20-04-2026	Bessborough Bay	Chum	50	1.4								0										0	0
20-04-2026	Bessborough Bay	Chum	55	1.79								0										0	0
20-04-2026	Bessborough Bay	Chum	47	1.3								0										0	0
20-04-2026	Bessborough Bay	Chum	48	1.44								0										0	0
20-04-2026	Bessborough Bay	Chum	47	1.21								0										0	0
20-04-2026	Primary 3	Pink	33	0.27								0										0	0
20-04-2026	Primary 3	Pink	29	0.26								0		1								1	1
20-04-2026	Primary 3	Pink	32	0.26								0										0	0
20-04-2026	Primary 3	Pink	31	0.22								0										0	0
20-04-2026	Primary 3	Coho	78	6.2								0										0	0
20-04-2026	Primary 3	Coho	85	8.55								0										0	0
20-04-2026	Primary 3	Coho	92	11.51								0										0	0
20-04-2026	Primary 3	Coho	84	7.09								0	1									1	1
20-04-2026	Primary 3	Coho	111	14.57								0										0	0
20-04-2026	Primary 3	Coho	116	14.83								0										0	0
20-04-2026	Primary 3	Coho	117	16.96								0										0	0
20-04-2026	Primary 3	Coho	93	9.99								0										0	0
20-04-2026	Primary 3	Coho	91	9.05								0										0	0
20-04-2026	Primary 3	Coho	84	8.35								0										0	0
20-04-2026	Primary 3	Coho	91	10.99								0	1									1	1
20-04-2026	Primary 3	Coho	83	7.67								0										0	0
20-04-2026	Primary 3	Coho	117	27.4								0										0	0
20-04-2026	Primary 3	Coho	93	11.54								0										0	0
20-04-2026	Primary 3	Coho	78	8.22								0										0	0
20-04-2026	Primary 3	Coho	104	13.32								0										0	0
20-04-2026	Primary 3	Coho	90	11.05								0										0	0
20-04-2026	Primary 3	Coho	87	7.86								0		1								1	1
20-04-2026	Primary 3	Coho	91	11.49								0										0	0
20-04-2026	Primary 3	Coho	103	13.73								0										0	0
20-04-2026	Primary 3	Coho	82	9.02								0										0	0
20-04-2026	Primary 3	Coho	88	11.25								0										0	0
20-04-2026	Primary 3	Coho	80	6.42								0										0	0
20-04-2026	Primary 3	Coho	76	5.8								0										0	0
20-04-2026	Primary 3	Coho	89	12.22								0										0	0
20-04-2026	Primary 3	Coho	82	8.19								0										0	0
20-04-2026	Primary 3	Coho	104	14.26								0	1									1	1
20-04-2026	Primary 3	Coho	95	12.55								0										0	0
20-04-2026	Primary 3	Coho	88	10.17								0										0	0
20-04-2026	Primary 3	Coho	77	6.72								0										0	0
20-04-2026	Wellbore Channel	Pink	47	0.98								0										0	0
20-04-2026	Wellbore Channel	Pink	32	0.27								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
20-04-2026	Wellbore Channel	Pink	34	0.38		2						2										0	2
20-04-2026	Wellbore Channel	Pink	31	0.28								0										0	0
20-04-2026	Wellbore Channel	Pink	37	0.46		1						1										0	1
20-04-2026	Wellbore Channel	Pink	41	0.62								0										0	0
20-04-2026	Wellbore Channel	Pink	40	0.54								0										0	0
20-04-2026	Wellbore Channel	Pink	46	0.93		1						1										0	1
20-04-2026	Wellbore Channel	Pink	37	0.48	1							1										0	1
20-04-2026	Wellbore Channel	Pink	36	0.44								0										0	0
20-04-2026	Wellbore Channel	Pink	39	0.64	2							2		1								1	3
20-04-2026	Wellbore Channel	Pink	32	0.35								0										0	0
20-04-2026	Wellbore Channel	Pink	47	0.91								0										0	0
20-04-2026	Wellbore Channel	Pink	52	1.32								0										0	0
20-04-2026	Wellbore Channel	Pink	35	0.4		1						1										0	1
20-04-2026	Wellbore Channel	Pink	39	0.57								0		1								1	1
20-04-2026	Wellbore Channel	Pink	34	0.37								0										0	0
20-04-2026	Wellbore Channel	Pink	39	0.5								0		1								1	1
20-04-2026	Wellbore Channel	Pink	38	0.53		1	1					2										0	2
20-04-2026	Wellbore Channel	Pink	35	0.4	1							1										0	1
20-04-2026	Wellbore Channel	Pink	38	0.58	1							1										0	1
20-04-2026	Wellbore Channel	Pink	34	0.35								0										0	0
20-04-2026	Wellbore Channel	Pink	41	0.64								0										0	0
20-04-2026	Wellbore Channel	Pink	40	0.72								0										0	0
20-04-2026	Wellbore Channel	Pink	33	0.3								0										0	0
20-04-2026	Wellbore Channel	Pink	36	0.43								0										0	0
20-04-2026	Wellbore Channel	Pink	32	0.47		1						1		1	1							2	3
20-04-2026	Wellbore Channel	Pink	55	1.65								0										0	0
20-04-2026	Wellbore Channel	Pink	32	0.43		2						2										0	2
20-04-2026	Wellbore Channel	Chum	49	1.23								0										0	0
20-04-2026	Wellbore Channel	Chum	47	1.11								0										0	0
20-04-2026	Wellbore Channel	Chum	52	1.41								0										0	0
20-04-2026	Wellbore Channel	Chum	46	1.17								0										0	0
20-04-2026	Wellbore Channel	Chum	49	1.23								0										0	0
20-04-2026	Wellbore Channel	Chum	41	0.84		1						1										0	1
20-04-2026	Wellbore Channel	Chum	37	0.61								0										0	0
20-04-2026	Wellbore Channel	Chum	34	0.4				1				1										0	1
20-04-2026	Wellbore Channel	Chum	45	0.98								0										0	0
20-04-2026	Wellbore Channel	Chum	44	0.96					1			1										0	1
20-04-2026	Wellbore Channel	Chum	50	1.46								0										0	0
20-04-2026	Wellbore Channel	Chum	49	1.32								0										0	0
20-04-2026	Wellbore Channel	Chum	47	1.15		1						1										0	1
20-04-2026	Wellbore Channel	Chum	46	1.13								0			1		1					2	2
20-04-2026	Wellbore Channel	Chum	39	0.62								0										0	0
20-04-2026	Wellbore Channel	Chum	43	0.87								0										0	0
20-04-2026	Wellbore Channel	Chum	51	1.34								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
20-04-2026	Wellbore Channel	Chum	46	0.96			1		1			2										0	2
20-04-2026	Wellbore Channel	Chum	34	0.48								0										0	0
20-04-2026	Wellbore Channel	Chum	44	1.05								0										0	0
20-04-2026	Wellbore Channel	Chum	38	0.59								0										0	0
20-04-2026	Wellbore Channel	Chum	37	0.57		1						1										0	1
20-04-2026	Wellbore Channel	Chum	49	1.32					1			1										0	1
20-04-2026	Wellbore Channel	Chum	48	1.24								0										0	0
20-04-2026	Wellbore Channel	Chum	46	1.07								0										0	0
20-04-2026	Wellbore Channel	Chum	47	1.2								0										0	0
20-04-2026	Wellbore Channel	Chum	43	0.75								0										0	0
20-04-2026	Wellbore Channel	Chum	39	0.63								0										0	0
20-04-2026	Wellbore Channel	Chum	43	0.82		1	1					2										0	2
20-04-2026	Wellbore Channel	Chum	53	1.49								0			1							1	1
20-04-2026	Wellbore Channel	Chum	42	0.96								0										0	0
20-04-2026	Blenkinsop Bay	Pink	33	0.35								0										0	0
10-06-2026	Race Passage	Chum	106	16.32							1	1										0	1
10-06-2026	Race Passage	Chum	80	5.68								0										0	0
10-06-2026	Race Passage	Chum	79	5.91								0										0	0
10-06-2026	Race Passage	Chum	84	6.83								0										0	0
10-06-2026	Race Passage	Chum	75	5.26								0										0	0
10-06-2026	Race Passage	Chum	73	5.27								0										0	0
10-06-2026	Race Passage	Pink	75	4.79								0										0	0
10-06-2026	Race Passage	Pink	76	5.23								0										0	0
10-06-2026	Race Passage	Pink	64	2.99								0										0	0
10-06-2026	Race Passage	Pink	78	5.23								0										0	0
10-06-2026	Race Passage	Pink	74	5.06								0										0	0
10-06-2026	Race Passage	Pink	64	3.23								0										0	0
10-06-2026	Race Passage	Pink	68	3.65								0										0	0
10-06-2026	Race Passage	Pink	76	4.26								0										0	0
10-06-2026	Race Passage	Pink	74	4.32								0										0	0
10-06-2026	Race Passage	Pink	73	5.71								0										0	0
10-06-2026	Race Passage	Pink	74	7.32								0										0	0
10-06-2026	Race Passage	Pink	67	3.1								0										0	0
10-06-2026	Race Passage	Pink	76	4.73								0							1			1	1
10-06-2026	Race Passage	Pink	76	5.64								0										0	0
10-06-2026	Race Passage	Pink	65	3.29								0										0	0
10-06-2026	Race Passage	Pink	70	4.07								0										0	0
10-06-2026	Race Passage	Pink	76	5.99								0										0	0
10-06-2026	Race Passage	Pink	71	4.39								0										0	0
10-06-2026	Race Passage	Pink	68	3.85								0										0	0
10-06-2026	Race Passage	Pink	81	6.04								0										0	0
10-06-2026	Race Passage	Pink	68	2.99								0		1								1	1
10-06-2026	Race Passage	Pink	77	5.27								0										0	0
10-06-2026	Race Passage	Pink	62	3.54								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
10-06-2026	Race Passage	Pink	74	4.5								0										0	0
10-06-2026	Race Passage	Pink	66	3.25								0		1								1	1
10-06-2026	Race Passage	Pink	78	5.56								0		1								1	1
10-06-2026	Race Passage	Pink	69	3.86				1				1										0	1
10-06-2026	Race Passage	Pink	68	3.12								0										0	0
10-06-2026	Race Passage	Pink	67	3.52								0										0	0
10-06-2026	Primary 3	Coho	119	18.62								0										0	0
10-06-2026	Primary 3	Pink	74	3.49								0										0	0
10-06-2026	Blenkinsop Bay	Pink	62	1.95								0										0	0