Keystone Environmental
Knowledge-Driven Results

2025 MARINE FISH AND FISH HABITAT ENVIRONMENTAL EFFECTS ANNUAL MONITORING REPORT

Woodfibre
Squamish, BC

Prepared For: Woodfibre LNG Limited Partnership

Project No: 20327-104
April 2026

EXECUTIVE SUMMARY

Woodfibre LNG Limited Partnership (Woodfibre LNG) commenced construction of a liquefied natural gas (LNG) export facility and loading facility (the Project) at Woodfibre BC in Nexwnéwu7ts Átlk'a7tsem (Howe Sound) in November 2023. The facility is located at the former Woodfibre Pulp and Paper Mill site (the Project), approximately seven kilometres southwest of Squamish, British Columbia (BC). The Project is on the historical location of a Skwxwú7mesh Úxwumixw (Squamish Nation) village known as Swiẏát. The planned construction includes both marine and freshwater components.

This report summarises the results of the second year (i.e., 2025) of environmental effects monitoring (EEM) conducted during the Project's construction phase in accordance with the Marine Fish and Fish Habitat Environmental Effects Monitoring Plan (MFFH EEMP). In alignment with the objectives and Guiding Principles established in collaboration between Woodfibre LNG and the Skwxwú7mesh Úxwumixw (Squamish Nation), the MFFH EEMP was developed to fulfill the monitoring requirements of the Project's Federal Decision Statement (FDS) to assess project-level effects. The MFFH EEMP is a companion document to the overarching Marine Fish and Fish Habitat Management and Monitoring Plan (MFFHMMP).

The results of this report are organised by key performance indicators (KPIs) that were assessed following a study approach defined in the MFFH EEMP. The KPIs were established to monitor potential project effects identified in the Project's *Fisheries Act* Authorization:

- Change in fish behaviour – Pacific herring spawning
  - Monitored through **KPI1** (Pacific herring spawn intensity)
- Change in fish abundance – presence and migration,
  - Monitored through **KPI2** (Pacific herring, juvenile salmonid, forage fish, and pelagic fish Catch per Unit Area)
- Change in fish behaviour – salmon spawning and outmigration from Mill Creek
  - Monitored through **KPI3** (salmon spawner counts, fyke net Catch per Unit Effort, minnow trap Catch per Unit Effort, and electrofishing Catch per Unit Effort)
- Introduction of invasive species from ballast water exchange
  - Monitored through **KPI4** sessile invasive species counts and Catch per Trap Effort of European Green Crab)

For each KPI, the monitoring methodology is summarised and any deviations to the methodology are reported. Results are presented based on the metrics determined for each KPI. Finally, if applicable, recommendations are provided for each study approach to improve the quality of data collected in future years of the EEM program.

Overall, the findings of the 2025 EEM program did not indicate notable changes to KPIs compared to those during baseline studies. As this sampling and monitoring program was only in its second year, additional years of data collection are required to detect any trends or measurable differences in the measured KPIs.

AUTHORSHIP STATEMENT

This report, summarizing the 2025 annual fish and fish habitat monitoring results, is the product of a collaborative effort between two independent consulting firms: Keystone Environmental Ltd. (KEL) And LGL Environmental Research Company (LGL). Both firms bring specialized expertise to the scope of work and reporting to ensure a comprehensive and scientifically rigorous assessment of fish and fish habitat. This collaborative relationship is a result of Woodfibre LNG and Squamish Nation convening a joint Technical Advisory Committee to provide technical oversight to the development and implementation of a robust and long-term fish and fish habitat monitoring program.

KEL is the lead author of this report and provided critical expertise in the design and execution of field sampling programs and survey protocols. KEL's experience in managing and conducting the fieldwork ensures that the data gathered is representative and accurate, supporting the integrity of the overall study results and interpretation. LGL provided expertise in data analysis, offering advanced statistical analyses and methodologies required for interpreting the survey data. Their contribution ensures that the findings are robust and statistically valid, providing a solid foundation for the report's conclusions and detection of any adverse impacts on fish and fish habitat. Together, LGL and Keystone have combined their unique skills to produce a comprehensive, scientifically sound report that reflects the latest insights into fish and fish habitat trends at the Woodfibre LNG project site. Table below shows the task breakdown for compilation of this report.

	KEL (lead author)	LGL (contributing author)
Preparation of SOPs for field sampling	X	
Review of SOPs		X
Field data collection	X	
Data entry and initial quality review	X	
Data Analysis		X
Preparation of graphics and statistical analysis		X
Interpretation of results	X	X
Discussion on Regional Account aspects	X	X

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LIST OF ACRONYMS

AIS	Aquatic Invasive Species
AUC	Area-Under-The-Curve
ATU	Accumulated Thermal Units
BACI	Before After Control Impact
CD	Chart Datum
CPA	Certified Project Area
CPUE	Catch Per Unit Effort
CPUA	Catch Per Unit Area
EEM	Environmental Effects Monitoring
EGC	European Green Crab
EWG	Environmental Working Group
FDS	Federal Decision Statement
KEL	Keystone Environmental Ltd.
KPIs	Key Performance Indices
LGL	LGL Environmental Research Company
LNG	Liquified Natural Gas
MFFH	Marine Fish and Fish Habitat
MFFH EEMP	Marine Fish and Fish Habitat Environmental Effects Monitoring Plan
MFFHMMP	Marine Fish and Fish Habitat Management and Monitoring Plan
MFFH OEMP	Marine Fish and Fish Habitat Offsetting Effectiveness Monitoring Plan
MSI	Howe Sound Marine Stewardship Initiative
NIS	Non-Indigenous Species
PPIA	Project Potential Impact Area
PVC	Polyvinyl Chloride
R.P. Bio	Registered Professional Biologist
SCUBA	Self-Contained Underwater Breathing Apparatus
TAC	Technical Advisory Committee
QP	Qualified Professional
Woodfibre LNG	Woodfibre LNG Limited Partnership

1. INTRODUCTION

Woodfibre LNG Limited Partnership (Woodfibre LNG) commenced construction in November 2023 of a liquefied natural gas (LNG) export facility (the Project) on the former Woodfibre Pulp Mill site (the Site) in Nexwnéwu7ts Átlḵ'a7tsem (Howe Sound), approximately seven kilometres south of Squamish. The Project is on the historical location of a Skwxwú7mesh Úxwumixw (Squamish Nation) village known as Swiy̓át. Swiy̓át and Nexwnéwu7ts Átlḵ'a7tsem (Howe Sound) are tied to the cultural well-being of Skwxwú7mesh Úxwumixw (Squamish Nation) members, their ancestors, and their descendants. Woodfibre LNG recognizes the importance of these areas to the Skwxwú7mesh stélmexw (Squamish People) and seeks to construct and operate the LNG facility and export terminal in a manner that is respectful of Skwxwú7mesh Úxwumixw (Squamish Nation) values.

The Project area is located at the former Woodfibre Pulp Mill site; a fee simple, industrially zoned brownfield site with more than 100 years of industrial use and deep-water marine access history. The community of Shisháyu7ay (Britannia Beach) is approximately 5.5 km southeast of the Project area; Kwtsá7tsutsin (Darrell Bay) is approximately 6.2 km to the east; and K'ík'elxn (Port Mellon) is approximately 22 km southwest. K'emk'emeláy (Vancouver) is situated approximately 50 km southeast of the Project area. The Project location, Certified Project Area (CPA) and Project Potential Impact Area (PPIA) are shown on **Figure 1-1.** The Project layout and detailed delineation of the PPIA are shown on **Figure 1-2**.

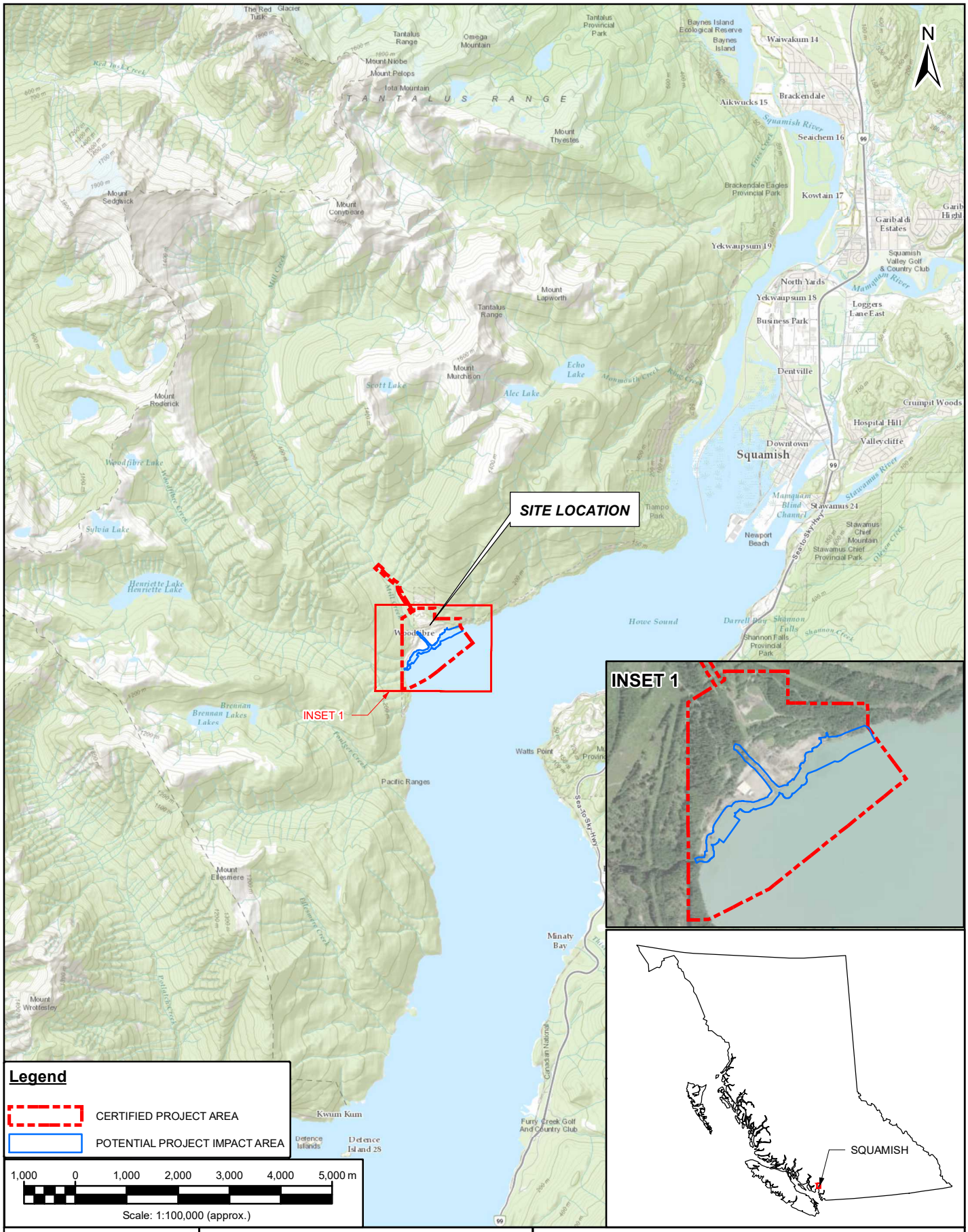
1.1 Background

In October 2023, a Technical Advisory Committee (TAC) was convened with the Skwxwú7mesh Úxwumixw (Squamish Nation) Environmental Working Group (EWG), Woodfibre LNG, and selected Qualified Professionals (QPs) to collaboratively develop detailed monitoring plans and survey protocols based on agreed-upon objectives, performance indices, and methodologies. A Guiding Principles document provides direction to the TAC, acknowledging the shared values of transparency, honesty, stewardship, and Indigenous rights and cultural values.

In alignment with the objectives and Guiding Principles established in collaboration between Woodfibre LNG and the Skwxwú7mesh Úxwumixw (Squamish Nation), the Marine Fish and Fish Habitat Environmental Effects Monitoring Plan (MFFH EEMP; hereafter referred to as the EEMP) (Keystone Environmental Ltd. 2024a) was developed to fulfill the monitoring requirements of the Project's Federal Decision Statement (FDS) and addresses subtopics including (but not limited to) key monitoring objectives and performance indices, work plans for monitoring programs, sampling and reporting frequency and duration, and decision-making criteria for future adaptations to the EEMP. The EEMP is a companion document to the overarching Marine Fish and Fish Habitat Management and Monitoring Plan (MFFHMMP), which required written approval from sḵwx̱wú7mesh Úxwumixw (Squamish Nation) prior to the start of the construction phase of the Project.

For each potential effect, a list of variables/Key Performance Indices (KPIs) has been defined in the EEMP. For each variable, the general study approach has been defined. In preparation of the list of variables**,** existing data collected during the Project's baseline studies (Keystone Environmental Ltd. 2024b) and ongoing monitoring programs have also been considered to achieve a higher degree of certainty in the detection of any potential effects of the Project on fish and fish habitat.

Project construction is expected to take four to five years. This monitoring report presents the second year (i.e. 2025) of monitoring results conducted in accordance with the EEMP.



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Squamish, B C
Woodfibre LNG Limited

REVISION No.	DATE	PROJECT No.
00	Feb. 2025	20327-104

Figure 1-1
Location Plan

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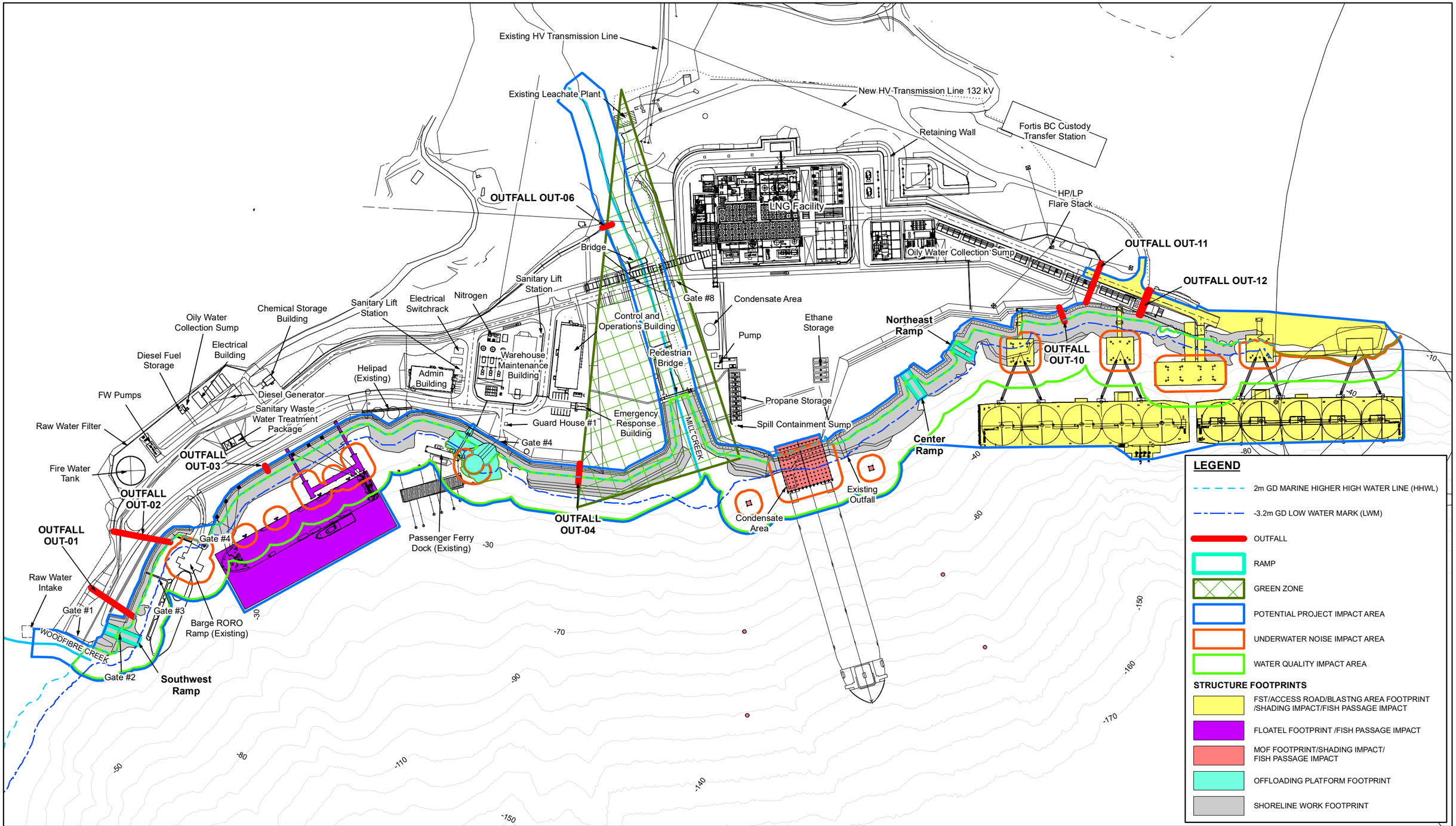

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NOTES:
1. *THIS DRAWING IS FOR GENERAL INFORMATION ONLY. LOT BOUNDARIES AND FEATURES ARE APPROXIMATE.*
2. *DATE OF AERIAL PHOTO IS 2016.*
3. *CONTOUR ELEVATION IS IN CHART DATUM (CD).*
4. *SPILLS FROM INDUSTRIAL EQUIPMENT OR CONCRETE IS AN ADDITIONAL POTENTIAL PROJECT IMPACT TO NOT SHOWN. IF THERE IS A SPILL, IT WILL BE INVESTIGATED AND MONITORING SEPARATELY.*

25 0 125 m

SCALE: 1:3,500 (approx.)

Woodfibre
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REVISION No.	DATE	PROJECT No.
00	Feb. 2025	18785-104

Figure 1-2

Project Layout and Potential Project Impact Area

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1.2 Regulatory Context

The relationship between regulatory requirements, the various management and monitoring plans, and the resulting report outputs is outlined on **Figure 1-3.** The TAC produced a consolidated pre-construction baseline report along with the management and monitoring plans. These plans guide the implementation of fisheries data collection to assess project-related effects on fish and fish habitat, as outlined in the EEMP, and to evaluate the effectiveness of habitat offset mitigation, as described in the MFFH Offsetting Effectiveness Monitoring Plan (MFFH OEMP, hereafter referred to as the OEMP).

Annual reports are produced to consolidate the fisheries data for each year of Project construction and for at least seven years after habitat offsets are installed. Where possible, the EEMP and OEMP annual reports will also provide a comparative analysis of annual survey data relative to reference site conditions, pre-construction baseline conditions, and regional trends related to fish and fish habitat. This analysis is used to inform mitigation effectiveness and adaptive management as required.

As the construction phase of the Project approaches conclusion, a construction phase project effects assessment, or Synthesis Report, will be prepared to consolidate, analyze and assess all survey data collected as per metrics outlined in the EEMP and methods outlined in Standard Operating Procedures appended to the EEMP. This Synthesis Report will include a detailed comparative analysis of annual survey data relative to reference site conditions, pre-construction baseline conditions, and regional trends related to fish and fish habitat. The Synthesis Report is anticipated to be a detailed analysis to support verification of construction-related project effects predicted in the Project's environmental assessment. This, in turn, would inform adaptive management in terms of additional mitigation measures during the operational phase of the Project.

Initial habitat offset installations are expected to begin as marine construction is approaching its conclusion. An as-built report will be produced to summarize all constructed marine infrastructure to determine whether revisions to the OEMP may be required prior to finalizing the habitat offset installation.

Annual OEMP reporting in years 1, 2, 3, 5 and 7 begins after the habitat offsets are installed to assess habitat function as per metrics outlined in the OEMP, which again inform adaptive management as required. Subsequent synthesis reporting is anticipated once habitat offsets are deemed functional,

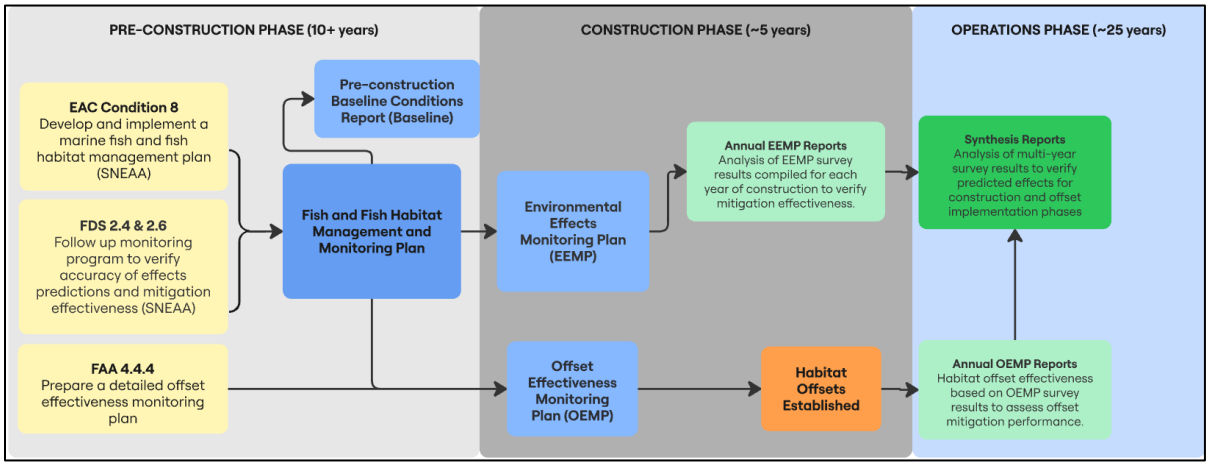

Figure 1-3 Relationship between regulatory conditions, implementation plans, and reporting requirements overseen by the TAC.

1.3 Objectives

The objective of this report is to present the results of the implementation of the second year of the EEMP. The EEMP is based on a Before After Control Impact (BACI) approach but is modified in two key ways. First, the "after" period consists of three different treatments: a construction period, an offset implementation period, and an operations period. Each of these would impose different sources or intensities of potential environmental effect pathways. Pre-construction baseline data is compiled in the MFFH Pre-Construction Baseline Report (Keystone Environmental Ltd. 2024b). Second, the monitoring design in the EEMP was refined after the commencement of Project construction. Accordingly, the data being collected through the refined EEMP, initiated in 2024, may not be available in the pre-construction baseline data collected until November 2023. This applies to various topics in terms of data collection frequency, methodology, and in the case of control (reference) sites, locations of data collection. Regardless, the discrepancies are accounted for in the analytical approach and interpretation of results. The overlying objective of the EEMP is to provide annual and eventually final conclusions on Project-induced changes to KPIs through Construction and Operations, after accounting to the extent possible for regional trends. As such, priority on data collection going forward has been emphasized.

In general, hypotheses posed in the EEMP acknowledge that pre-construction conditions within the Project area were influenced by legacy pulp mill operations and that prior to and during the construction phase of the Project, Woodfibre LNG has been reclaiming and remediating these legacy impacts. In addition, habitat offsetting is planned within the Project area to further improve fish and fish habitat.

This monitoring report is the second report of a series of annual reports that document the conditions in the CPA and reference sites in the construction phase. In consideration of the construction schedule for the Project at this time, it is anticipated that two more annual reports for the construction phase of the Project will be prepared. Each annual report will present the results of the EEMP for their respective years. Additionally, the annual reports will provide a comparison with the results documented in previous years. As data collection continues, detection of patterns and trends in fish and fish habitat conditions are anticipated if trends are occurring and exceed the statistical power of the study design.

This report is organized based on KPIs. Sampling methods and respective results and discussions have been presented independently for each KPI.

1.4 Study Area

Woodfibre LNG has undertaken numerous baseline environmental studies during the Project's pre-construction phase between 2013 and 2023, which document marine fish and fish habitat within the CPA and also at off-Site reference locations. During the development of the EEMP, the PPIA was defined to support sampling and survey design to ensure potential project effects were adequately accounted for (**Figure 1-2)**.

The boundaries of the PPIA are within the CPA (**Figure 1-1)** and are derived from the assessment of potential Project effects (as described in the Project's Aquatic Effects Assessment, Keystone Environmental 2023) that relate to fish and fish habitat, and encompass the following smaller impact areas:

- Water Quality Impact Area - based on the distance from in-water works with the potential to impact water quality (e.g., shoreline works) where water quality criteria must be met.

- Underwater Noise Impact Area (for fish) – based on compliance with underwater noise criteria within 10 metres (m) from a sound source.
- Structure Footprints/Fish Passage and/or Shading Impact Areas- impacts to fish habitat defined by the structure footprints. Impacts to fish passage and/or impacts from shading are also within the footprints of the structures.
- Fish Passage Impact Area also included Mill Creek up to the barrier to fish passage (approximately 415 m upstream from the Howe Sound Confluence).

The PPIA was developed as an exercise to ensure that adequate impact sampling locations existed within the EEMP. As shown on **Figure 1-1**, the CPA sample sites are inclusive of the PPIA. For each KPI, sample sites within the CPA were selected as the "impact sites" while sample sites outside the CPA were selected as the "reference sites". The PPIA is predictive and may be updated in subsequent years as further sampling data is collected to account for realized project effects to fish and fish habitat. To assist with the comparison to baseline data, sampling locations were also selected to be consistent with previous baseline studies conducted for the Project (from 2013 to 2023). As a result, some "impact" sampling locations are located within the CPA, but outside the PPIA as defined on **Figure 1-1**.

For consistency across all surveys, the CPA will be considered the primary study area for the initial detection of any project-related impacts for all KPIs. If a potential effect is identified in comparison to reference sites, further analysis will be required to determine the cause and the location of the effect in relation to the Project construction activities.

2. METHODS, RESULTS AND DISCUSSION FOR EACH KPI

Methods, results, discussion and recommendations for each KPI are provided in sections below. Additional details on sampling methodology can be found in the MFFH EEMP (Keystone Environmental 2024a). **Table 2-1** presents a summary of potential project effects derived from the Project's *Fisheries Act* Authorization, the EEMP and the KPIs defined for each, in addition to the relevant sections of this report.

Table 2-1 Summary of Metrics and Related KPIs

Metric (from FAA and EEM)	KPI/Variable		Report Section
Pelagic Waters			
Primary Metric			
Change in fish behaviour - Pacific herring (*Clupea pallasii*) spawning	KPI 1a	Pacific herring spawn intensity - spawn area - Horizontal Spatial Distribution	**Section 2.1**
	KPI 1b	Pacific herring spawn intensity - average quadrat spawn percent coverage (mean across PPIA) - with qualitative layer metric included.	
	KPI 1c	Pacific herring spawn intensity - Spawn Vertical Distribution	
Change in fish abundance - presence and migration through PPIA	KPI 2a	Pacific Herring Catch per unit [Beach Seine and Purse Seine] area	**Section 2.2**
	KPI 2b	Juvenile salmonids Catch per unit [Beach Seine and Purse Seine] area (overall and for each salmonid species captured)	
	KPI 2c	Forage fish Catch per unit [Beach Seine and Purse Seine] area	
	KPI 2d	Pelagic fish Catch per unit [Beach Seine and Purse Seine] area	
Mill Creek			
Primary Metric			
Change in fish behaviour - salmon (*Oncorhynchus spp.*) spawning in Mill Creek	KPI 3a	Spawner counts (pink salmon, chum salmon and coho salmon) and the area-under-the curve estimation method	**Section 2.3**
	KPI 3b	-Fyke net catch per unit Effort (Juvenile outmigration) -Minnow trap Catch per unit Effort (Juvenile salmonid and resident species habitat use) and -Electrofishing Catch per unit Effort (Juvenile salmonid and resident species habitat use)	
Invasive Species			
Primary Metric			
Introduction of invasive species from ballast water exchange	KPI 4a	Sessile Invasive Species Counts	**Section 2.4**
	KPI 4b	Catch per trap Effort of European green crab (Carcinus maenas)	

2.1 KPI1: Change in Fish Behaviour – Pacific Herring Spawning

The potential for adverse effects to Pacific herring habitat use during construction or operation phases arises due to various activities that may impede the availability or quality of spawning habitat. The potential for positive project effects to habitat are also intended through the creation of additional spawning habitat through project design (e.g., additional hard substrate created as part of the shoreline works), as well as extensive marine habitat offsetting works focused on Pacific herring spawning, at the late stages of construction or early operation. Offsetting-specific monitoring details are addressed in the OEMP (Keystone Environmental Ltd. 2024c), in part to satisfy the Project's *Fisheries Act* Authorization. Whereas the OEMP will document the specific performance of the offsetting habitat, the EEMP is structured to

encompass the full suite of potential effects (adverse or positive) through construction and operations: in this way, the OEMP is nested within the EEMP. It is the TAC's collective intention that the net result of individual pathways on Pacific herring spawning is positive: habitat quantity and quality will be definitively improved, with actual usage by Pacific herring beyond Project control. This overall context is embedded into the study objective and hypothesis below.

Study objective: To assess potential changes in Pacific herring habitat use of the CPA for spawning and identify trends (if any) from pre-construction, construction and into operational phases.

Hypothesis: Pacific herring spawn intensity within the CPA remains within the historical range of natural variation[1] and shows a sustained net gain during the life of the Project when compared to reference sites and within Howe Sound generally.

KPIs: Three KPIs have been defined to detect potential changes in Pacific herring spawning:

- **KPI1a**: Pacific Herring Spawn Intensity – Spawn Area – Horizontal Spatial Distribution
- **KPI1b**: Pacific Herring Spawn Intensity Average Quadrat Spawn Density (Mean Across CPA) – with Qualitative Layer Metric Included
- **KPI1c:** Pacific Herring Spawn Intensity – Spawn Vertical Distribution

2.1.1 Methods

To evaluate the established KPIs for Pacific herring spawning, bi-weekly Self-Contained Underwater Breathing Apparatus (SCUBA) surveys were conducted by KEL in the CPA and two reference sites between February 11 and July 4, 2025 (**Figure 2-1**). The survey team consisted of three Keystone Environmental WorkSafeBC-certified commercial diver biologists (R.P Bio) and one boat operator.

SCUBA surveys included two stages:

- **Distribution Mapping** – This stage included SCUBA surveys to identify and map the presence/ absence and distribution of Pacific herring spawn horizontally along the shoreline within the CPA, Reference Site 1, and Reference Site 2.
- **Detailed Data Collection** – If Pacific herring spawn was observed in the first stage, detailed data was collected at the observation site(s), using a transect and quadrat-based approach.

[1] Natural variation to be defined using the MFFH Pre-Construction Baseline Report (Keystone Environmental, 2024b) and/or regional data (e.g. herring surveys conducted by MSI)

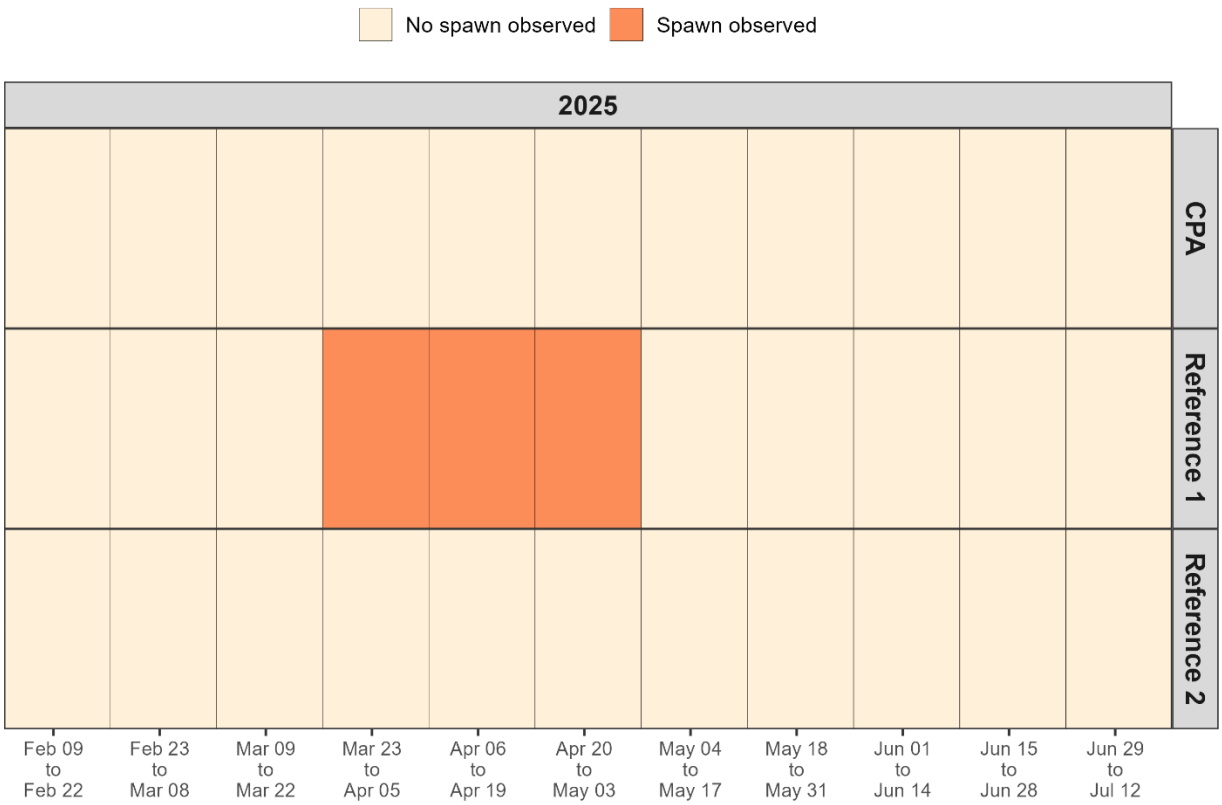

Figure 2-1 Bi-weekly Pacific herring spawn survey coverage and spawn observations in 2025.

2.1.1.1 Distribution Mapping

Distribution mapping was conducted by a pair of divers swimming throughout the entire survey area to map spawn presence and distribution, while the third diver acted as tender and supervisor on board the vessel. For each survey, the entire length of shoreline within the CPA was surveyed, including up to 50 m upstream of Mill Creek and Woodfibre Creek (**Figure 2-2**). If the upstream portions of the survey area were not accessible by divers (e.g. due to low tides and/or high-water flows), then divers would remove their SCUBA gear and walk along the banks of the creeks to the upstream limit. The linear length of the shoreline surveyed within the CPA was also surveyed at Reference Site 1 and Reference Site 2, located south and north of the CPA respectively (**Figure 2-2**).

Along with Pacific herring egg mass identification, divers also recorded the locations of incidental observations of marine fish and fish habitat use – this includes, but is not limited to, lingcod egg masses based on baseline knowledge of CPA habitat.

The divers swam in a sinuous pattern from the water's surface to a maximum lower depth of approximately -10 m chart datum (CD). Typically, one diver covered the lower depth range while the other diver covered the upper depth range, with some overlap between divers to ensure adequate coverage.

When either diver identified the presence of Pacific herring spawn within the survey area, they recorded the general location, elevation, and spawning substrate on an underwater slate. When any of the divers identified the presence of eggs, the diver surfaced and indicated to the dive tender (onboard the dive vessel) the presence of either herring spawn or incidental observations such as lingcod egg masses. The dive tender mapped the location of the observation using a handheld Global Positioning System (GPS) unit or relative to permanent infrastructure along the shoreline. In the case of herring spawn, the location of egg presence along the shoreline was mapped. The divers then continued swimming along the shoreline and notified the dive tender of the end of that section of spawn such that the start and end points of any areas of herring spawn were identified linearly along the shoreline within the survey areas. Once the start and end points had been mapped, the divers would continue swimming throughout the survey area until the entire length of the shoreline was surveyed.

2.1.1.2 Detailed Data Collection

Detailed data collection occurred within sections where herring spawn were observed during the distribution mapping stage. For the detailed data collection stage, within the area where eggs were present, the divers installed transects perpendicular to the shoreline. The starting point of each transect was mapped with a handheld GPS or relative to a permanent landmark. An ad-hoc sampling design was employed to select transect locations within the section where spawn was observed. Safe access was also a consideration (e.g. there was limited safe access to spawn in areas of vertical bedrock at low tide). As per the EEMP, (Keystone Environmental 2024a), one to two transects were placed within each section where spawn was observed.

To assess Pacific herring spawn vertical distribution, the lengths of the transects perpendicular to shore covered the full vertical extent of the egg spawning mass from the upper to lower elevation range. In addition to collecting the vertical distribution of spawn at each transect, habitat attribute data were collected using quadrats. Along each transect, 0.25 m^2 (0.5 m x 0.5 m) quadrats were evenly distributed across the vertical extent of the spawn. At each quadrat, the diver recorded the time, transect number, position along the transect, depth (m), elevation (m CD), substrate type, vegetation percent cover and species, egg percent cover on both substrate and vegetation (if present), the number of egg lays, and egg viability. Photos were also taken of quadrats. Substrate categories were adapted from Wentworth (1922).

2.1.1.3 Sampling Locations and Timing

Dive surveys were conducted in the CPA and at two reference sites between mid-February and early July 2025 at a frequency of once every two weeks **(Figure 2-1**). Each bi-weekly sampling program consisted of three consecutive days of surveys, with one day of sampling effort at the CPA, Reference Site 1, and Reference Site 2 respectively. This year (2025) was the first year of monitoring under the EEMP that included surveying of reference sites.

The entire length of the shoreline within the CPA was surveyed as the impact site, including up to 50 m upstream of the mouth of Mill Creek and Woodfibre Creek. As outlined in the EEMP (Keystone Environmental 2024a), the two reference sites were selected where spawning have been observed in proximity to the CPA based on existing spawning surveys conducted by the Howe Sound Marine Stewardship Initiative (MSI) from 2021 to 2023 (MSI 2023). The first spawning area (named Reference Site 1) occurs <1km south of the PPIA near Foulger Creek. The second spawning area (named Reference Site 2) occurs <2km east of the PPIA near Tantalus Landing (**Figure 2-2**). The length of the shoreline surveyed at each of the reference sites is equal to the length of the shoreline within the CPA (approximately 1.8 km).

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N

WOODFIBRE CREEK

MILL CREEK

FOULGER CREEK

Reference Site 2

Reference Site 1

INSET 2

INSET 1

INSET 2

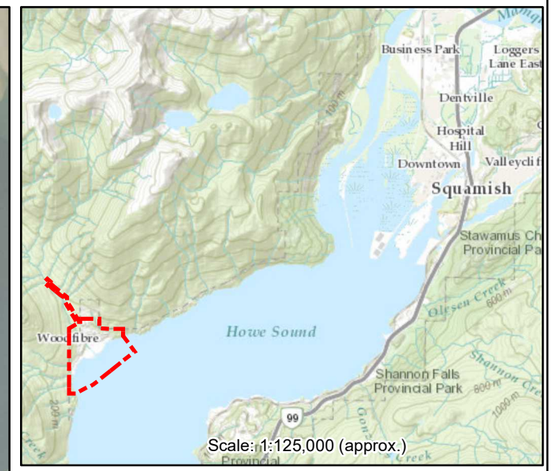
0 25 50 100 150 200 250 m

Scale: 1:8,000 (approx.)

INSET 1

0 25 50 100 150 200 250 m

Scale: 1:8,000 (approx.)



LEGEND

- CERTIFIED PROJECT AREA
- STREAM
- HERRING SPAWN, MAR 26, KEL
- HERRING SPAWN, APR 10, KEL
- HERRING SPAWN, APR 24, KEL
- HORIZONTAL SPAWN DISTRIBUTION SURVEY SITES
- LINGCOD EGG MASSES

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NOTES:
1. *THIS DRAWING IS FOR GENERAL INFORMATION ONLY. LOT BOUNDARIES AND FEATURES ARE APPROXIMATE.*
2. *THE DATE OF AERIAL PHOTO IS 2024.*

250 0 1,250 m

Scale: 1:25,000 (approx.)

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REVISION No.	DATE	PROJECT No.
A	Jan. 2026	20327-104B

Figure 2-2

2025 Pacific Herring Spawn Intensity

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2.1.1.4 Data Analysis

Average Spawn Density (i.e., average percent cover within spawn areas) was calculated for each spawn event as well as the overall annual average in any site (i.e., CPA or reference sites) where spawn was observed. Average Spawn Density by spawn coverage type (i.e., coverage on macroalgae, coverage on substrate, and overall coverage) was determined for each spawn event within a site as follows. First, a transect specific estimate was determined by averaging quadrat-specific measurements that occurred on the spawn. Any quadrats sampled before of after the were excluded from the analysis. Next because each spawn event may have multiple spawn areas an estimate of Average Spawn Density by spawn area was determined as a weighted average of transect-specific estimates using the number quadrats sampled by the transect relative to the total number of quadrats sampled in a spawn area as a weight. Transects with the same number of quadrats are given an equal weighting, whereas transects with a higher number of quadrats are given a higher weight. Finally, spawn area estimates were combined to produce a spawn event estimate giving each area a weight relative to the number of quadrats sampled in an area relative to the total number of quadrats sampled on the spawn event.

To determine the annual average spawn density, estimates from each spawn event were combined using the number of quadrats collected per spawn event divided by the sum of quadrats collected across all spawn events as the stratum weight. In total, there were 29 quadrats across 3 spawn events (March 26: n=4; April 10: n=9; April 24: n=16).

Two metrics of Spawn Vertical Distribution are reported: Spawn Vertical Extent, and Spawn Vertical Elevation. The Spawn Vertical Extent was defined as the difference between the upper elevation of spawn (m CD) and the lower elevation of spawn (m CD). Average Spawn Vertical Extent was determined for each spawn event in addition to the annual average. To generate an average estimate for each spawn event, the extent of the vertical range was first determined for each transect giving a single observation for each transect. Next within each spawn area of each event transects were average together to generate spawn area specific estimates based on giving each transect equal weighting. Next an estimate for each spawn event was generated based on averaging spawn area estimates using an equal weighting scheme.

The average Spawn Vertical Elevation was determined as a weighted average that was based on the quadrat depth (m CD) depth and percent coverage. First, transect specific estimates derived based on weighting each quadrat depth (m CD) by the corresponding percent coverage of the quadrat. This generated an estimate of Spawn Vertical Elevation for each transect that naturally gave more weight to depths that had higher percent coverage. Next within each spawn event a spawn area estimate was derived by averaging the transects under an equal weighting scheme. Finally, spawn event estimates were generated by averaging corresponding spawn area estimates with each area given an equal weight.

2.1.2 Results and Discussion

A total of 11 herring spawn surveys were conducted within the CPA and at each reference site in 2025. Three Pacific herring spawn events were observed at Reference Site 1 on March 26, April 10, and April 24, 2025 (**Figure 2-3**). Pacific herring spawn was not observed within the CPA or at Reference Site 2 during 2025 surveys. The average vertical elevation for 2025 spawn event is summarised in **Table 2-2.**

All three spawn events at Reference Site 1 occurred in the rocky intertidal waters on a mix of bedrock and rockweed substrates, between 0 and 4 m above CD. The most restricted spawn event was observed on March 26th extending 20 m horizontally into Reference 1 centered at 3 m CD, although data from MSI suggests that this spawn extended south beyond the boundary of Reference 1 (see description of regional patterns below). The most extensive spawn event was documented on April 24th, spanning three sections of shoreline totalling 1,162 m, in a band approximately 1.5 m tall centered at approximately 2.5 m CD.

Overall, the annual average Spawn Intensity (percent cover) was 35% (+/- 14%;Figure 2-5**)**. The mean vertical range of spawn across all events in Reference 1 was 1.49 m (+/- 0.27 m), centred at 2.5 m above CD. A further description of spawn observed at Reference Site 1 for each spawn event is provided below.

Table 2-2 Average vertical elevation (m CD) of 2025 spawn events in Reference 1 with lower and upper confidence levels (LCL, UCL).

DATE	LOCATION	NUMBER OF SPAWN AREAS	AVERAGE ELEVATION	SE	LCL	UCL
2025-03-26	Reference 1	1	3.11	0.184	2.75	3.47
2025-04-10	Reference 1	2	1.96	0.228	1.51	2.41
2025-04-24	Reference 1	3	2.21	0.169	1.88	2.54

March 26, 2025 - Reference 1

Horizontal Spatial Distribution- Pacific herring spawn was observed in continuous distribution from the south boundary of Reference Site 1 and extended north for approximately 20 m. Other programs initially documented this spawn during snorkel surveys. (MSI 2025a). Substrate and macroalgae composition within the section of Pacific herring spawn consisted of bedrock with few to abundant rockweed *(Fucus distichus*, 40-100 % coverage). Eggs were observed on a narrow 1 m band of rockweed and bare bedrock where rockweed was present (e.g., not on bare bedrock below rockweed lower extent).

Two transects were placed in the section where spawn was observed for detailed data collection (**Figure 2-3**). Although the SOP (Revision 3, July 5, 2024) recommends a minimum of five quadrats collected per transect, this was not feasible due to the narrow width (1 m) of the spawn. Two quadrats were collected for each transect.

Spawn Intensity– In the detailed quadrat survey, eggs appeared to be clear and recently spawned with 1 to 2 layers of eggs. The Spawn Intensity (percent) ranged between 5 to 25 %. Overall, the average Spawn Intensity (percent cover) was 27.5%.

Spawn Vertical Distribution – Spawn was distributed in a narrow 1 m vertical extent in the upper intertidal, centered around an elevation of 3 m CD (**Figure 2-4**, **Figure 2-6**).

April 10, 2025 – Reference 1

Horizontal Spatial Distribution - Herring spawn was observed in two distinct continuous sections within Reference Site 1. The overall horizontal distribution of spawn was 534 m of shoreline. The first section (see Area 1, **Figure 2-3**) was surrounding the mouth of Foulger Creek along a 50 m stretch of shoreline. Substrate and macroalgae composition within this section of herring spawn consisted of cobble and boulder with

sparse to few rockweed (10-50% coverage) and few brown filamentous algae (Phaeophyta, 25-50 % coverage).

The second section (see Area 2, **Figure 2-3**) initiated approximately 100 m north of Foulger Creek and extended further north for approximately 484 m. Substrate and macroalgae composition within this section of herring spawn consisted of bedrock with few to abundant rockweed (25-100% coverage).

One transect was placed in Area 1 and two transects were placed in Area 2 for detailed data collection.

Spawn Intensity - In the detailed quadrat survey, eggs appeared to be clear and recently spawned. One layer of eggs was observed within Area 1 while 1 to 2 layers of eggs were observed within Area 2. Overall, the average Spawn Intensity (percent cover) was 41.3 %.

Spawn Vertical Distribution – Spawn was distributed across 2.5 m vertical extent in the upper intertidal, centered around an elevation of 2 m CD (**Figure 2-4**, **Figure 2-6**).

April 24, 2025 – Reference 1

Horizontal Spatial Distribution – Herring spawn was observed in three distinct continuous sections within Reference Site 1. The overall horizontal distribution of spawn was 1162 m of shoreline. The first section (see Area 1, **Figure 2-3**) was from the southern boundary of Reference Site 1 and extended north for 858 m. Substrate and macroalgae composition within this section of herring spawn consisted of bedrock, cobble and boulder with sparse to common rockweed (5-75% coverage).

The second section (see Area 2, **Figure 2-3**) initiated near the mouth of Foulger Creek and extended north approximately 124 m. Substrate and macroalgae composition within this section of herring spawn consisted of bedrock with common to abundance rockweed (60-95% coverage).

The third section (see Area 3, , **Figure 2-3**) initiated approximately 180 m north of Foulder Creek and extended further north for approximately 50 m. Substrate and macroalgae composition within this section of herring spawn consisted of bedrock with abundant rockweed (90-100% coverage).

Two transects was placed in Area 1 and one transect was placed in Area 2 and Area 3 respectively for detailed data collection.

Spawn Intensity – In the detailed quadrat survey, eggs appeared to be a mixture of new and older eggs, and occasional occurrences of hatched out eggs.

From transect data collected in Spawn Area 2 near Foulger Creek, percent viability of eggs ranged between 50-100%. For spawn observed on macroalgae (between 2.1 to 2.6 CD), percent viability ranged between 50 and 75% (n quadrats=4). For spawn observed on substrate (between 2.1 to 2.3 m CD), percent viability ranged between 50 and 100% (n quadrats=2). Spawn in other Areas were 100% viable. Overall, the average Spawn Intensity (percent cover) was 32.6 %.

Spawn Vertical Distribution – Spawn was distributed across 2.5 m vertical extent in the upper intertidal, centered around an elevation of 2 m CD (**Figure 2-4**, **Figure 2-6**).

MAR 26

Reference Site 1

TRANSECT 2

TRANSECT 1

20 m

APR 10

TRANSECT 2

TRANSECT 1

AREA 2, 484 m

AREA 1, 50 m

Reference Site 1

APR 24

TRANSECT 1

AREA 3, 50 m

TRANSECT 1

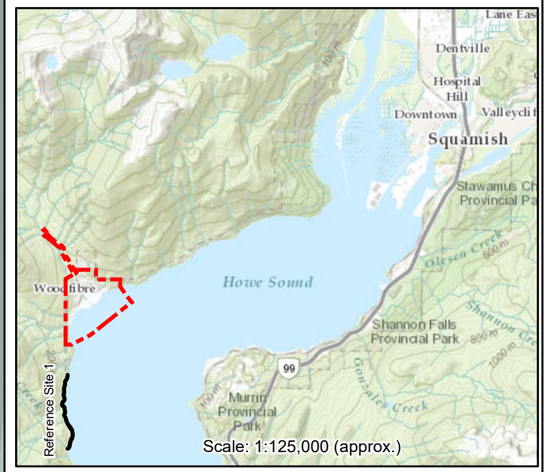
AREA 2, 124m

TRANSECT 2

TRANSECT 1

AREA 1, 859 m

Reference Site 1



LEGEND

- CERTIFIED PROJECT AREA
- STREAM
- HERRING SPAWN, MAR 26, KEL
- HERRING SPAWN, APR 10, KEL
- HERRING SPAWN, APR 24, KEL
- HORIZONTAL SPAWN DISTRIBUTION SURVEY SITES
- HERRING SPAWN DENSITY AND VERTICAL DISTRIBUTION TRANSECT

Keystone Environmental

NOTES:
1. THIS DRAWING IS FOR GENERAL INFORMATION ONLY. LOT BOUNDARIES AND FEATURES ARE APPROXIMATE.
2. THE DATE OF AERIAL PHOTO IS 2024.

125 0 625 m

Scale: 1:12,500 (approx.)

Woodfibre
Squamish, B C
Woodfibre LNG Limited

REVISION No.	DATE	PROJECT No.
A	Jan. 2026	20327-104B

Figure 2-3
2025 Pacific Herring Spawn Intensity
Reference Site 1

DRAWN BY: PY Document Path: I:\0-GIS\1-Projects\1-WLNG\GIS_CADD\18785\00104\2026_Jan01_EEMAnnualReport\Fig2-3-PacificHerringSpawnIntensity-REF1-RA.mxd

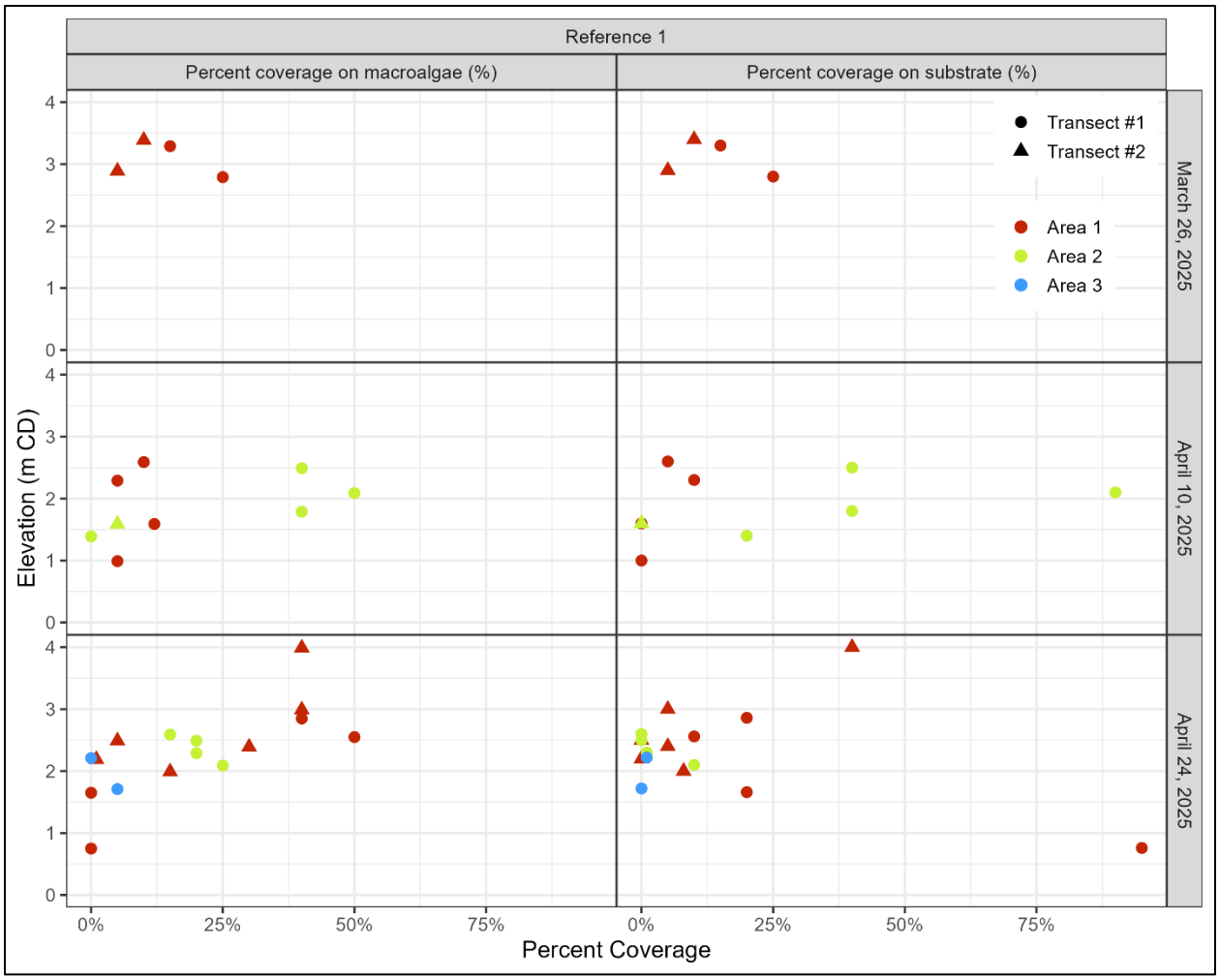


Figure 2-4 **Pacific Herring spawn percent coverage and vertical distribution of the March 26, April 10, and April 24, 2026 spawn events at Reference Site 1.**

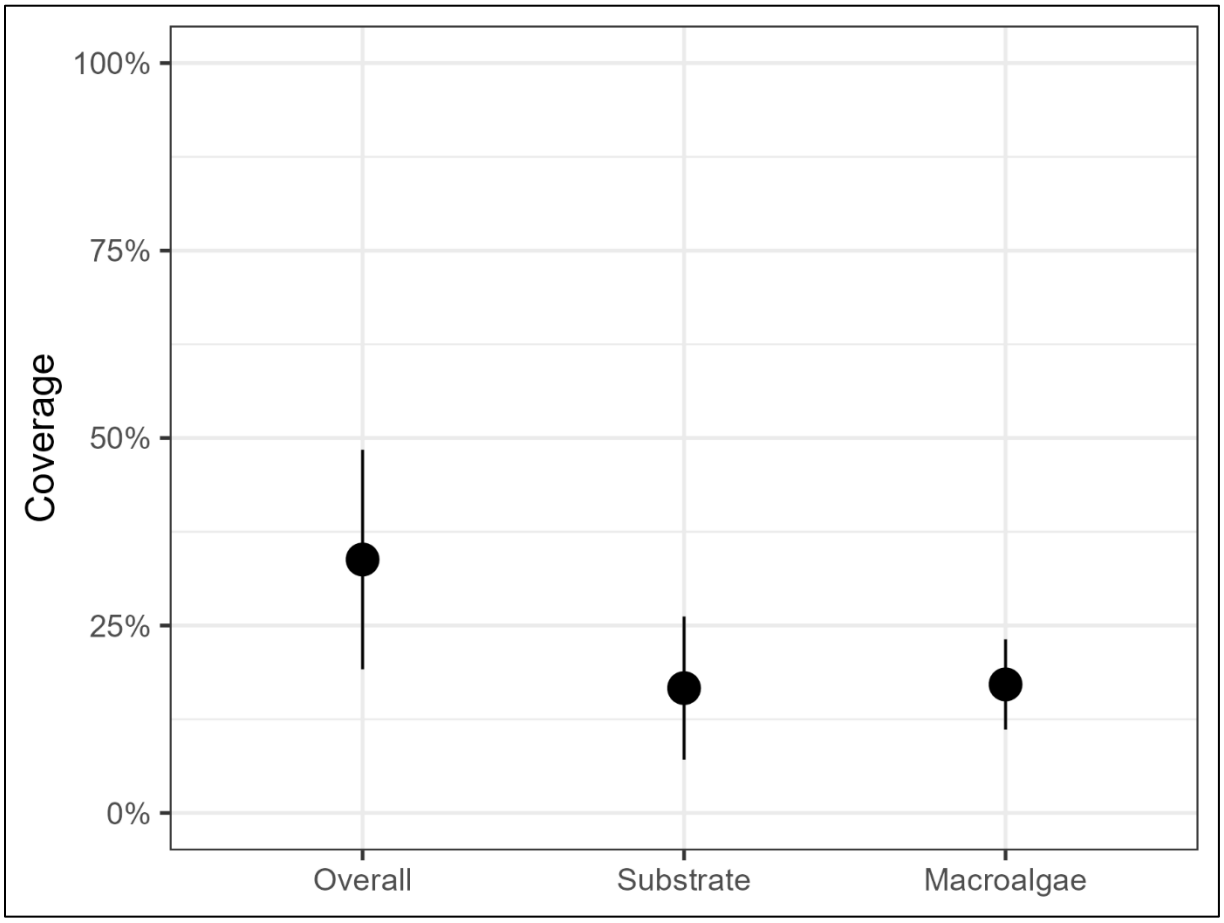


Figure 2-5 **Pacific Herring spawn percent coverage (mean +/- 95% CI) for the three spawn events at Reference Site 1, weighted by the horizontal distribution of each spawn events.**

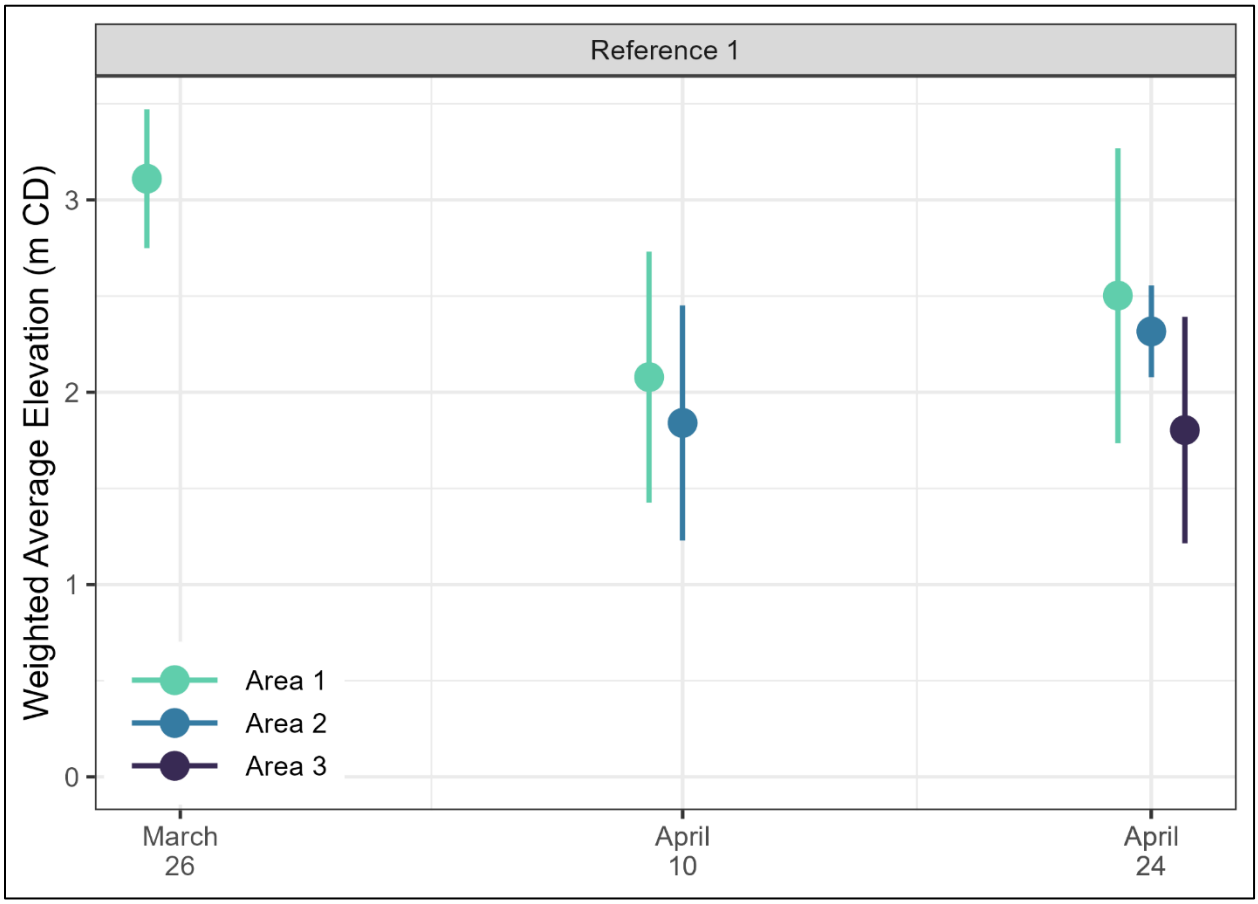


Figure 2-6 **Pacific Herring spawn average vertical elevation relative to Chart Datum (+/- 95% CI) of the March 26, April 10, and April 24, 2026 spawn events at Reference Site 1.**

2.1.2.1 Regional data and comparison to previous years

Figure 2-7 shows Pacific herring spawn distribution in the northern region of Howe Sound from 2021 to 2025. Data for 2021 to 2023 is based on MSI surveys (2025b), while data for 2024 and 2025 shows combined findings from KEL surveys (this study and the previous year of EEM surveys) and MSI (2025b).

In 2025, herring spawn was documented on 1,162 m of shoreline at Reference site 1 (this study). Spawn events have been recorded in this area by MSI in each year of surveys since 2021. Pacific herring spawn was not observed within the CPA or at Reference Site 2 in 2025.

Spawn events have been recorded in the CPA in two of the five years of surveys, in 2021 and 2024. Spawn events have been recorded at Reference Site 2 once, in 2021.

478800.000000 479400.000000 480000.000000 480600.000000 481200.000000 481800.000000 482400.000000 483000.000000 483600.000000 484200.000000 484800.000000 485400.000000 486000.000000 486600.000000 487200.000000 487800.000000 488400.000000 489000.000000 489600.000000 490200.000000 490800.000000

5503200.000000 5502400.000000 5501600.000000 5500800.000000 5500000.000000 5499200.000000 5498400.000000 5497600.000000 5496800.000000 5496000.000000 5495200.000000

N

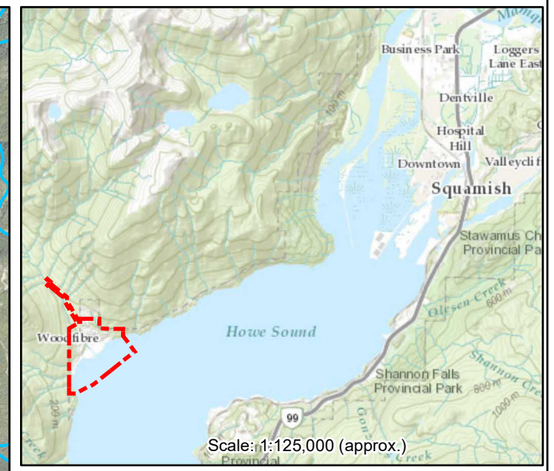
MILL CREEK

WOODFIBRE CREEK

FOULGER CREEK

REFERENCE SITE 1

REFERENCE SITE 2



LEGEND

- CERTIFIED PROJECT AREA

SURVEY YEAR

- 2021, MSI
- 2022, MSI
- 2023, MSI
- 2024, MSI & KEL
- 2025, MSI & KEL
- HORIZONTAL SPAWN DISTRIBUTION SURVEY SITES
- STREAM

Keystone Environmental

NOTES:
1. *THIS DRAWING IS FOR GENERAL INFORMATION ONLY. LOT BOUNDARIES AND FEATURES ARE APPROXIMATE.*
2. *THE DATE OF AERIAL PHOTO IS 2020.*
3. *DATA FROM 2021 TO 2023 SHOWS HERRING SPAWN DISTRIBUTION COLLECTED BY THE HOWE SOUND MARINE STEWARDSHIP INITIATIVE (MSI) AND RETRIEVED FROM THE HOWE SOUND MARINE REFERENCE GUIDE.*
4. *DATA FROM 2024 SHOWS COMBINED HERRING SPAWN DISTRIBUTION FROM KEL SURVEYS (THIS REPORT) AND MSI DATA RETRIEVED FROM THE HOWE SOUND MARINE REFERENCE GUIDE.*

400 0 2,000 m

Scale: 1:40,000 (approx.)

Woodfibre
Squamish, B C
Woodfibre LNG Limited

REVISION No.	DATE	PROJECT No.
A	Mar. 2026	20327-104I

Figure 2-7

Pacific Herring Spawn Distribution 2021-2025

DRAWN BY: PY Document Path: I:\0-GIS\1-Projects\1-WLNG\GIS_CADD\20327\00104I\2026_Mar03\Fig2-7-PacificHerringSpawnDistribution-RA.mxd

2.1.2.2 KPI1 Statement

Consistent with the hypothesis for KPI1, it is believed that Pacific herring spawn horizontal spatial distribution (KPI1a) within the PPIA remains within the historical range of natural variation at this site. Historically, spawn events within the PPIA have been inconsistent with the most recent occurrences observed in 2021 and 2024). Given the absence of Pacific herring spawning within the PPIA in 2025, hypotheses for KPI1b and KPI1c could not be evaluated this year.

2.1.3 Recommendations

Some discrepancies in detailed data collection occurred between 2024 and 2025 surveys and provides opportunity for added clarity to the SOP. As per the revision of the SOP used at the time of surveys (Revision 3, July 4, 2024), 1 to 2 transects are to be placed in each section of observed spawn, and each transect is to cover the full width of Pacific herring eggs from the upper to lower elevation and consist of a minimum of five quadrats evenly distributed across the width of the spawn.

- In 2024, transects consisted of paired 0.25 m^2 quadrats distributed across the vertical extent of the spawn, placed on the left and right sides of the transect tape. This resulted in two quadrats (L and R) at each elevation.
- In 2025, transects consisted of single 0.25 m^2 quadrats distributed across the vertical extent of the spawn. There were several occasions that the suggested five quadrat minimum was not met due to narrow width of spawn or inadequate spacing of quadrats along the transect tape.

To ensure consistency across data collection and ensure adequate samples to compare the vertical distribution and percent cover of spawn between reference and CPA, the following revisions to the SOP were presented by LGL and agreed upon by the TAC:

- Standardize the placement of paired 0.5 x 0.5 m (0.25 m^2) quadrats (L and R) evenly spaced across the vertical spawn distribution and include a figure that shows hypothetical transect and quadrat placement within a herring spawn event to improve clarity.
- Standardize a minimum target of 20 quadrats per spawn event. As the previous minimum target of five quadrats per transect can not be achieved when spawn vertical distribution is narrow (i.e., any spawn less than 2.5 m), this would necessitate adding additional transects to reach the 20-quadrat target as needed.
- Notably, as safe access is a consideration during transect placement, the 20-quadrat minimum may not be able to be met during spawn events with limited horizontal spatial distribution (e.g. For a spawn along 20 m of shoreline, there may be limited safe access to place additional transects in spawn in areas of vertical bedrock at low tide).

These revisions will be incorporated into the next revision of the Herring Spawn Dive Surveys SOP (Revision 4, updates in progress).

2.2 KPI2: Change in Fish Abundance – Presence and Migration Through PPIA

The potential for adverse effects on fish abundance during the construction or operation phases originate from various activities that may affect fish passage and result in alteration of migration patterns, changes in access to habitats or increased exposure to predation. Four sub-KPIs for KPI2 have been established to assess the relative abundance of four main fish groups: Pacific herring, juvenile salmonids (*Oncorhynchus spp.*), Forage fish (e.g., surf smelt [*Hypomesus pretiosus*], sand lance [*Ammodytes hexapterus*], Northern anchovy [*Engraulis mordax*]) and Pelagic fish. The establishment of these groups is based on focal groups identified in the Project's environmental assessment.

Although minor changes in fish passage through the Site may occur such as swimming around structures (e.g. around the MOF or FST terminal) or fish holding temporarily due to shading from overhead structures, it is the TAC's collective opinion that the net result of individual pathways on fish abundance is neutral. Adverse effects are expected to be avoided by the implementation of mitigation measures outlined in the MFFHMMP and marine habitat offsetting works. This overall context is embedded into the study objective and hypothesis below.

Study objective: To assess potential changes in abundance of Pacific herring and other marine fish species groups (i.e., juvenile salmonids, forage fish and pelagic species) in CPA from pre-construction, construction and into operational phases

Hypothesis: Pacific herring, juvenile salmonids, Forage fish and Pelagic fish species relative abundance within the CPA remains within the historical range of natural variation[2] during the life of the Project when compared to reference sites and within Howe Sound generally.

KPIs: Four KPIs have been defined to detect potential project effects on fish abundance:

- **KPI 2a**: Pacific herring catch per unit effort (in Beach Seine and Purse Seine) in the study area,
- **KPI 2b**: Juvenile salmonids catch per unit effort for each salmonid species captured (in Beach Seine and Purse Seine), in the study area
- **KPI 2c**: Forage fish catch per unit effort (in Beach Seine and Purse Seine) in the study area
- **KPI 2d**: Pelagic fish catch per unit effort (in Beach Seine and Purse Seine) in the study area

2.2.1 Methods

Two sampling methods were used to evaluate the established KPIs for fish abundance. Bi-weekly beach seining and purse seining were conducted between February 18, 2025, and July 23, 2025. While beach seining is preferential to target demersal fish and age-0 juvenile salmonids in the shallow nearshore areas of the CPA, purse seines can better target offshore schooling fish such as herring or salmonids species that transit through the CPA.

[2] Natural variation to be defined using the MFFH Pre-Construction Baseline Report (Keystone Environmental, 2024) and/or reference sites and/or trends observed in data collected during construction and operational phases.

2.2.1.1 Beach Seining

Beach seining was conducted as per methods outlined in the EEMP (Keystone Environmental 2024a). The beach seine net used was 15 m long and 3.5 m deep (total sampling area of 52.5 m^2) with a bunt size mesh of 0.1 cm and a wing mesh size of 0.3 cm. The net was weighted on the bottom (lead line), and the top was supported with floats (float line). A 4 m bridle was attached to each end of the lead and float lines on the net. A 25 m haul line was attached to each bridle. A propellor-driven boat (approximately 5 m long) with a centrally mounted tow post on the bow and stern was used to complete each beach seine set.

Each beach seine sampling event was conducted with a crew of four Keystone Environmental biologists and one boat operator. Two consecutive sets (i.e., beach seine deployments) were deployed at each sampling location. Each beach seine set was conducted by deploying the net approximately 20 m offshore with the boat, with one end of the net's haul line held at a stationary point on shore. One person remained on the boat to ensure that the net was pulled out in the proper orientation (i.e., the lead line on the bottom, float line on the surface, no tangles or twists in the net). Once the entire net was pulled from the boat, the boat operator turned parallel to shore creating a sweeping arc that aimed to encircle fish. The other end of the haul line was secured to the centrally mounted tow post. Once the arc was created, the boat "nosed" into the shore and the biologist on board transferred the haul line to a second biologist waiting on shore. The biologists on shore pulled the haul lines simultaneously, keeping the wings of the net parallel. Once the net was pulled into an appropriate depth (approximately equal to the depth of the net), a third biologist pulled the lead line in simultaneously, being sure to keep the lead line flush with substrate to not allow fish to escape under the net.

Captured fish were retained in an oxygenated bucket of marine water. To avoid re-capture, fish collected from the first set were retained during the second set. Fish identification and enumeration occurred upon completion of both sets. All fish captured during sampling activities were identified and enumerated by species and life stage. Fork length (mm, or total length for species without a forked caudal fin) and weight (g) were recorded. In the event of a high yield (>100 individuals per species), a subsample of 10% for each species was measured and weighed. The number of remaining fish for each species present in the set was counted.

2.2.1.2 Purse Seining

The purse seine net used was 36 m long and 5 m deep (total sampling area of 180 m^2) with a bunt size mesh of 0.3 cm and a wing size mesh of 1 cm. The net was weighted on the bottom (lead line), with pursing line that runs through rings attached to the lead line, and the top was supported with floats (float line). A 25 m haul line was attached to each end of the seine. A propellor-drive boat (approximately 5 m long) with a centrally mounted tow post on the bow and one landing craft style boat (approximately 10 m long) were used to complete each purse seine set.

Each purse seine sampling event was conducted with a crew of four Keystone biologists and two boat operators. Two consecutive sets (i.e., purse seine deployments) were deployed at each sampling location. Each purse seine set was conducted by deploying the net off the bow of the landing craft (boat 1). The smaller boat (boat 2) received one end of the haul line from the crew on boat 1 and pulled the entirety of the net from the bow into the water. Once the entirety of the net was in the water, boat 2 would turn and pull the net into an arc shape, bringing the ends of the net together on boat 1 in a semi-circle formation.

Once the net was set in this formation, it was closed at the bottom via the purse line and gradually pulled into the boat to concentrate captured fish into the bunt.

The procedure for fish processing closely followed the methods used for beach seining (**Section 2.2.1.1**). However, weight (g) measurements were not conducted due to the inherent challenges of obtaining accurate scale readings on the boat, which was confirmed during the 2024 sampling program. Unlike beach seining, where processing is conducted onshore at a stable station, purse seining requires fish to be processed aboard the vessel, where wave action and boat motion compromises the precision of weight recordings. The SOP was modified prior to start of the 2025 sampling program (Revision 3, dated February 11, 2025) to officially reflect this change in methodology.

2.2.1.3 Sampling Locations and Timing

Beach seining and purse seining were conducted at five locations within the CPA and three reference locations outside of the CPA (**Figures 2-7 and 2-8**). Purse seine locations mirrored beach seine locations but were approximately 150 m offshore. Sampling locations were consistent with the previous year of data collection (Keystone Environmental 2025a).

Twelve beach seine and purse seine sampling events occurred bi-weekly between February 18, 2025, and July 23, 2025. Each bi-weekly sampling program consisted of four days of sampling consisting of two days of purse seining and two days of beach seining. However, in several instances seining was not possible at certain locations:

- BS-3 was not sampled during the weeks of February 20, March 5, and May 29, 2025:
  - On February 20, 2025, and March 5, 2025, BS-3 was not sampled due to a large anchor buoy obstructing the seine area. The anchor buoy was required to moor a construction barge to complete east dolphin construction near the MOF. Keystone biologists engaged with Woodfibre LNG representatives on the obstruction and the buoy was removed prior to the next bi-weekly sampling event.
  - On May 29, 2025, BS-3 was not sampled due to a spill curtain surrounding the seine area. Keystone biologists engaged with Woodfibre LNG representatives on the obstruction and the curtain was relocated prior to next bi-weekly sampling event.
- During the week of July 23, 2025, just three of the eight beach seine sampling locations were sampled. Sampling sites BS-1, BS-2, BS-4, BS-5, and BS-SR were not sampled.
  - Whilst sampling BS-5, the seine net was entangled in submerged objects and was damaged during the attempt to detach it. The net was damaged and the remaining five sites (including BS-5) could not be sampled. Keystone engaged with the net manufacturer, and the net was repaired prior to the start of the 2026 sampling program.

During the week of June 12, 2025, PS-2, PS-3 and PS-5 were not sampled due to strong winds (Beaufort scale of 4).

2.2.1.4 Data analysis

At each sampling site, catch per unit area (CPUA) was calculated for beach and purse seine catch data as number of fish caught per m^2 of sampling area. CPUA was calculated separately for each sampling method and each group of fish (i.e., Pacific herring, juvenile salmonids, forage fish, and pelagic fish). On each survey, catch from both sets were combined and divided by the survey area (i.e., 52.5 m^2 and 187.2 m^2 for beach and purse seine respectively). As each site was sampled once on each bi-weekly period, CPUA values for sites within an area (i.e., CPA and reference) were averaged together to provide a bi-weekly CPUA estimate for each fish group by area. Error estimates for site-specific bi-weekly averages were also calculated based on the site-to-site variation in CPUA values. These estimates were used for all plots showing bi-weekly survey values.

Area specific differences (i.e., CPA versus reference sites) by fish group (i.e., Pacific herring, salmonids, forage fish, and pelagic fish) were determined by fitting linear mixed effect models for each gear type (i.e., beach seine and purse seine), then generating estimated marginal mean estimates (i.e., least square estimates) for each fish group (see Lenth 2024). This allowed for data to be combined across fish groups, improving estimate precision by both area and fish group which improved statistical power to detect area specific differences by fish groups. The linear mixed effect model fit to each gear type was of the following form:

$$CPUA = Area + FishGroup + Area{:}FishGroup + Biweek(R)$$

where *CPUA* represents the observed bi-weekly CPUA by site and fish group, *Area* represents a fixed effect (i.e., average difference) between the CPA and reference areas, *FishGroup* represents the average CPUA difference between fish groups, *Area:FishGroup* is an interaction term that represents fish group by site differences, and *Biweek(R)* is a random effect representing shared error that may result from repeat sampling within the same bi-week period. Model fit and residuals were inspected and the formulation was found to be sufficient for handling repeat sampling in the same bi-week. The model was then used to generate area specific estimates for each fish group using estimated marginal means (Lenth 2024).

Differences between area and fish group specific average CPUA estimates were then assessed using pair-wise contrasts, with adjusted p-values to control for family-wise error rate using Tukey's method. Statistically significant differences at the$\alpha = 0.05$ level between area and fish group specific estimates were indicated by compact letter display (Piepho 2004). This allowed for area specific estimates to be directly compared across all fish groups. Finally, as the model assumes a Gaussian error distribution (i.e., Normal), there were no constraints to enforce positive estimated CPUA values for 95% confidence intervals; as such, negative regions were not reported as this does not represent a physically feasible response.

480600.000000 481200.000000 481800.000000 482400.000000 483000.000000 483600.000000

5502000.000000 5501600.000000 5501200.000000 5500800.000000 5500400.000000 5500000.000000

N

MILL CREEK

WOODFIBRE CREEK

BS-NR
PS-NR
BS-4
PS-4
BS-3
PS-3
BS-2
BS-5
PS-2
PS-5
BS-1
PS-1
BS-SR
PS-SR

INSET 1

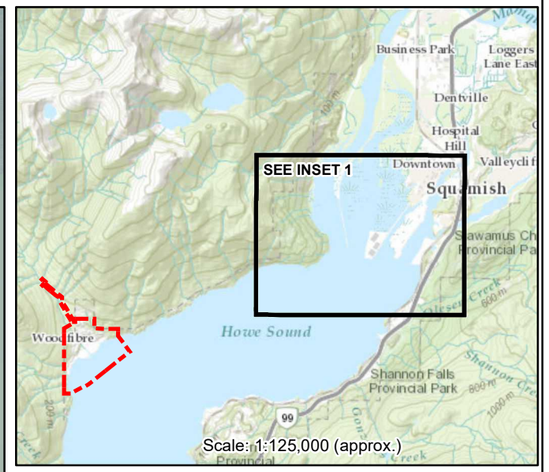
SQUAMISH RIVER ESTUARY

DOWNTOWN SQUAMISH

BS-AR
PS-AR

0 250 500 1,000 1,500 2,000 2,500 m

Scale: 1:50,000 (approx.)



LEGEND

- POTENTIAL PROJECT IMPACT AREA
- CERTIFIED PROJECT AREA
- STREAM
- BEACH SEINE SAMPLING LOCATION
- PURSE SEINE SAMPLING LOCATION

Keystone Environmental

NOTES:
1. *THIS DRAWING IS FOR GENERAL INFORMATION ONLY. LOT BOUNDARIES AND FEATURES ARE APPROXIMATE.*
2. *THE DATE OF AERIAL PHOTO IS 2020.*

100 0 500 m

Scale: 1:10,000 (approx.)

Woodfibre
Squamish, B C
Woodfibre LNG Limited

REVISION No.	DATE	PROJECT No.
A	Mar. 2026	20327-104I

Figure 2-8
2025 Beach Seine and Purse Seine Sampling Locations

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2.2.2 Results and Discussion

Sampling coverage for KPI2 occurred consistently in accordance with the sampling schedule outlined in the EEMP. **Figure 2-9** and **Figure 2-10** illustrate bi-weekly purse seine and beach seine sampling effort and their overall fish capture distribution by total number of fish for each gear type in CPA and reference sites. Overall, catches were higher in beach seine surveys than in purse seine surveys. Most beach seine hauls captured 10-99 fish. For beach seine, the highest number of fish capture was observed on April 16 at BS-AR (>3000 fish). The number of hauls with "no catch" was observed to be higher in CPA sampling sites and most commonly at BS-2 and BS-4. For purse seine surveys, the highest number of fish capture was at PS-2 on March 16 and April 15 (100-999 fish).

Supplementary figures illustrating the beach seine and purse seine survey results can be found in **Appendix D (Figures D-1 to D-9**). Detailed site and fish capture data are presented in **Appendix E**.

Over the survey period, a total of 20 species were captured within the CPA and 17 species were captured at reference sites. Not all species were shared between CPA and reference sites. At CPA sampling sites, five species were captured that were not captured at reference sites, while at reference sites, three species were captured that were not captured at CPA sites[3] (**Appendix E)**.

In beach seine surveys, juvenile salmonids were typically the most common fish group captured across the CPA and reference sites **(Figure 2-11, Figure 2-12, Figure 2-13)**. Note that a large group of larval herring were captured at one site in the week of May 3 (**Figure D-5**) but were treated as an outlier when determining species composition (see methods for more information). In purse seine surveys, either juvenile salmonids or Pacific herring were the most abundant fish group captured in each sampling period **(Figure 2-11**).

Non-target species (e.g. stickleback, perch) typically made up a small proportion of the total catch, although high catches of some non-target species occurred periodically throughout the sampling period (**Figure 2-11)**. For example, non-focal species made up a somewhat larger proportion of the overall catch in beach seine surveys within the CPA, while in purse seine survey periods starting on February 22nd, April 19th, and May 3rd other species dominated the catch at certain sites. The most common non-focal species captured in purse seines was threespine stickleback (*Gasterosteus aculeatus*), while threespine stickleback and several sculpin species (super family Cottoidea) were the most common non-focal species captured in beach seines.

A high-level summary of the sampling results for each focal fish group is presented below.

[3] Five unique species captured at CPA: Pacific staghorn sculpin (*Leptocottus armatus*), striped perch *(Embiotoca lateralis*), plainfin midshipman (*Porichthys notatus*), slender cockscomb (*Anoplarchus insignis*), soft sculpin (*Psychrolutes sigalutes*)
Three unique species captured at Reference sites: bay pipefish (*Syngnathus californiensis*), pink salmon (*Oncorhynchus gorbuscha*), cutthroat trout (*Oncorhynchus clarkii clade*)

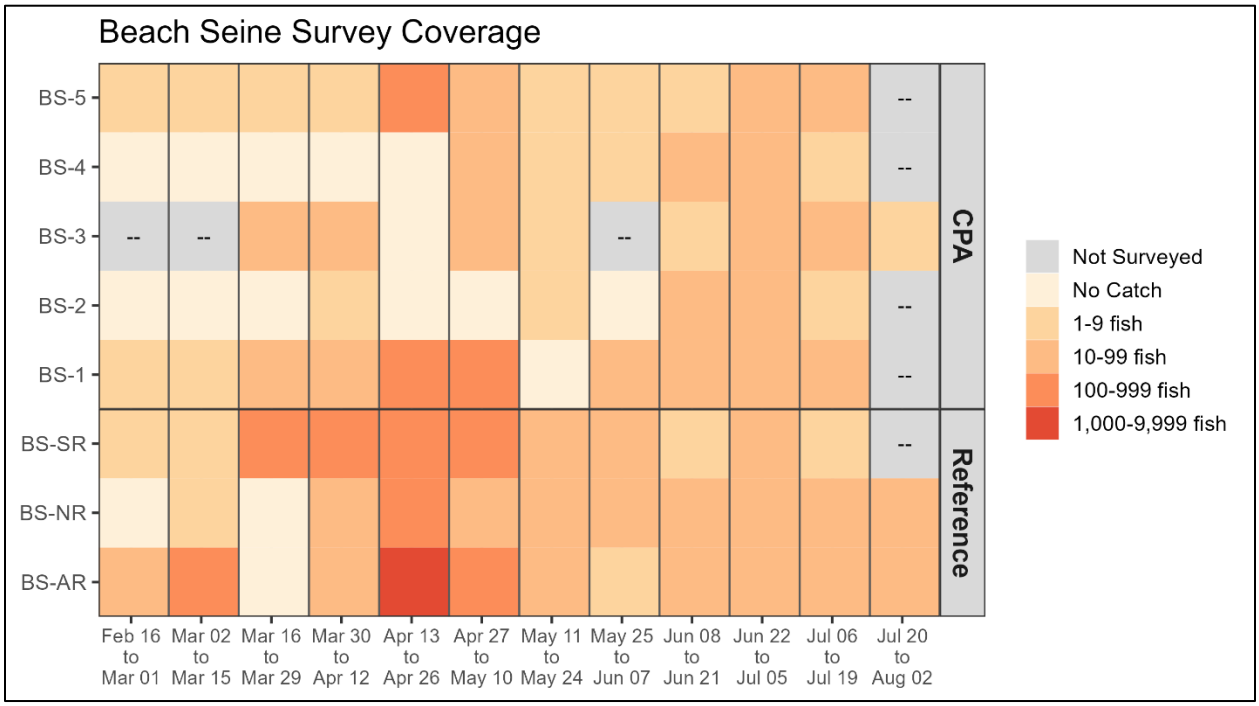


Figure 2-9 Bi-weekly beach seine survey coverage and overall catch in 2025.

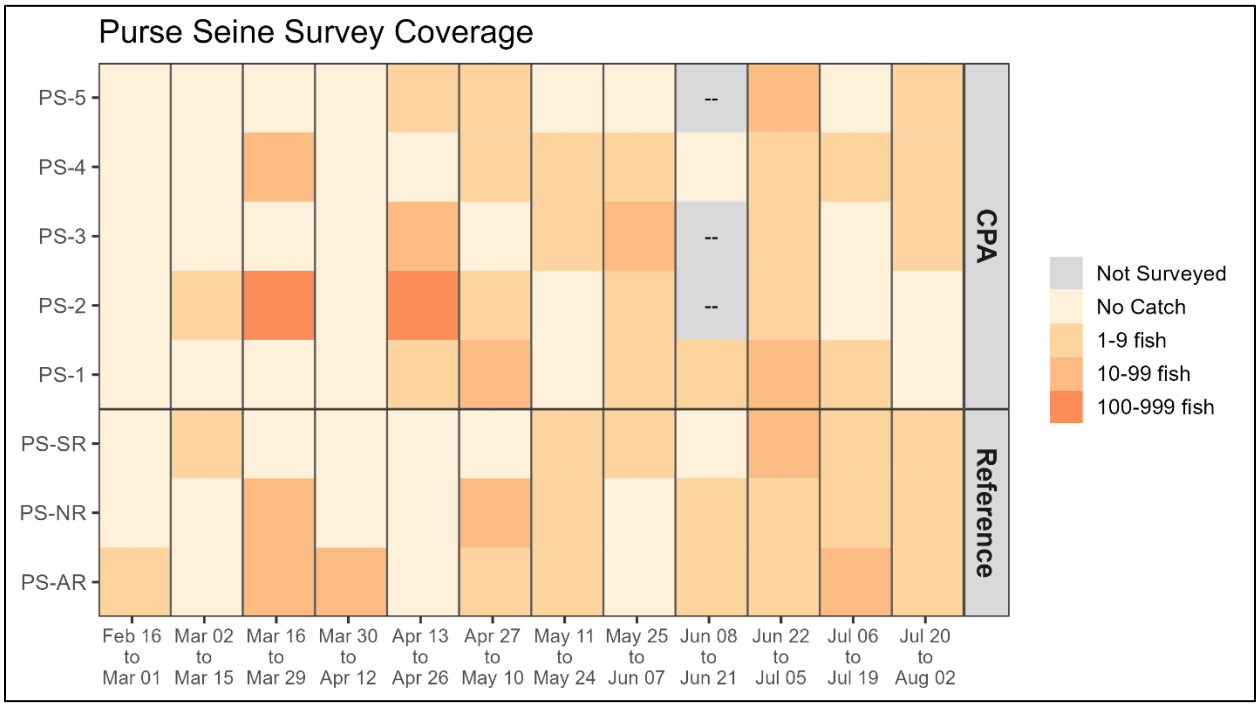


Figure 2-10 Bi-weekly purse seine survey coverage and overall catch in 2025.

Pacific Herring

Pacific herring were captured periodically in both beach and purse seine surveys (**Figure D-1**). Pacific herring were first observed at a reference site (BS-SR) on April 17, 2025, and first captured in the CPA on April 30, 2025. Herring captured earlier in the year (i.e., April-May) were larva, including a large school of larval herring captured at the BS-SR site on May 1, 2025, close to a consistent herring spawning area south of the CPA **(Figure D-5**; **Figure 2-7)**. Herring larvae were captured periodically until the end of June. Adult and larger juveniles were first captured at the end of May within the CPA (PS-3) and were captured in all sampling events through to the end of July. By July, all the herring captured in beach and purse seine surveys were juveniles or adults (> 80 mm fork length) (**Figure D-6**).

Average annual CPUA for Pacific herring was comparable between the CPA and reference sites in 2025 (**Figure 2-13**).

Juvenile Salmonids

Salmonids were present within the CPA and reference sites during the entire survey period, with different species showing peaks between April and July (**Figure D-2, Figures D-5 to D-9, Figure 2-12**). As expected in an odd year, pink salmon (*Oncorhynchus gorbuscha*) were largely absent from the study area, with exception to one fish captured at PS-NR (**Figure D-5**).

Chum salmon (*Oncorhynchus keta*) predominated in late winter and early spring (February to mid-April), followed by an increase in chinook salmon (*Oncorhynchus tshawytscha*) and coho salmon (*Oncorhynchus kisutch*) from May to July (**Figure D-9**). While chinook salmon and chum salmon showed stable or increasing sizes over time, coho salmon caught later in the season were smaller than those captured earlier (**Figure D-6**), suggesting different cohorts of fish moving through the study area.

Capture of other salmonid species were rare. Cutthroat trout (*Oncorhynchus clarkii*) was captured at BS-NR and BS-1 in May (one fish at each site, **Figure D-5).** One adult steelhead trout (*Oncorhynchus mykiss*) was captured at reference site PS-NR in early April (**Figure D-9**).

In 2025, average annual CPUA for salmonids was higher at reference sites than at CPA sites for beach seine sampling, whereas values were comparable between site types for purse seine sampling (**Figure 2-13**).

Forage Fish

Forage fish were near-absent from the study area in 2025. A single confirmed northern anchovy (*Engraulis mordax*) larvae was captured on July 10 in beach seine at site BS-NR (**Figure 2-11**, **Figure D-3**). Another school of larval fish that may have been northern anchovy were captured at site BS-AR on July 23, although a positive identification was not confirmed. At this early life stage, the diagnostic features between Pacific herring and northern anchovy can be similar and differentiation was not possible in this instance. The time of year suggests they are more likely northern anchovy, as Pacific herring remaining in the larval stage from the current spawning season would be uncommon.

Pelagic Fish

Pelagic species (excluding herring and other forage fish) were captured infrequently within the CPA and reference sites (**Figure 2-11, Figure D-4**). No pelagic fish were captured at purse seine sites (**Figure 2-13)**. Pelagic fish captured were perch, including striped perch (*Embiotoca lateralis*) and shiner perch (*Cymatogaster aggregata*). Pelagic fish were primarily captured during sampling between mid-June to the end of July.

Pelagic fish CPUA was highest in the CPA in mid-June and at reference sites in late June (**Figure D-4**). Average annual CPUA for Pelagic fish was comparable between the CPA and reference sites in 2025 (**Figure 2-13**).

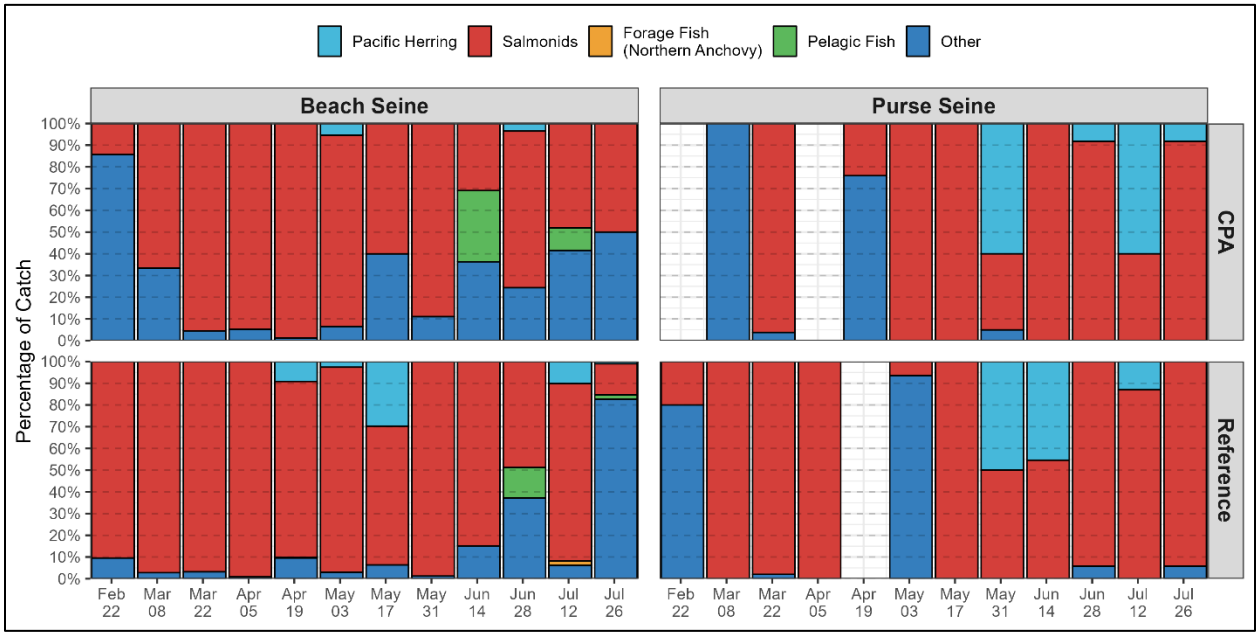


Figure 2-11 Bi-weekly beach seine and purse seine catch composition pooled within CPA and reference sites in 2025 sampling.

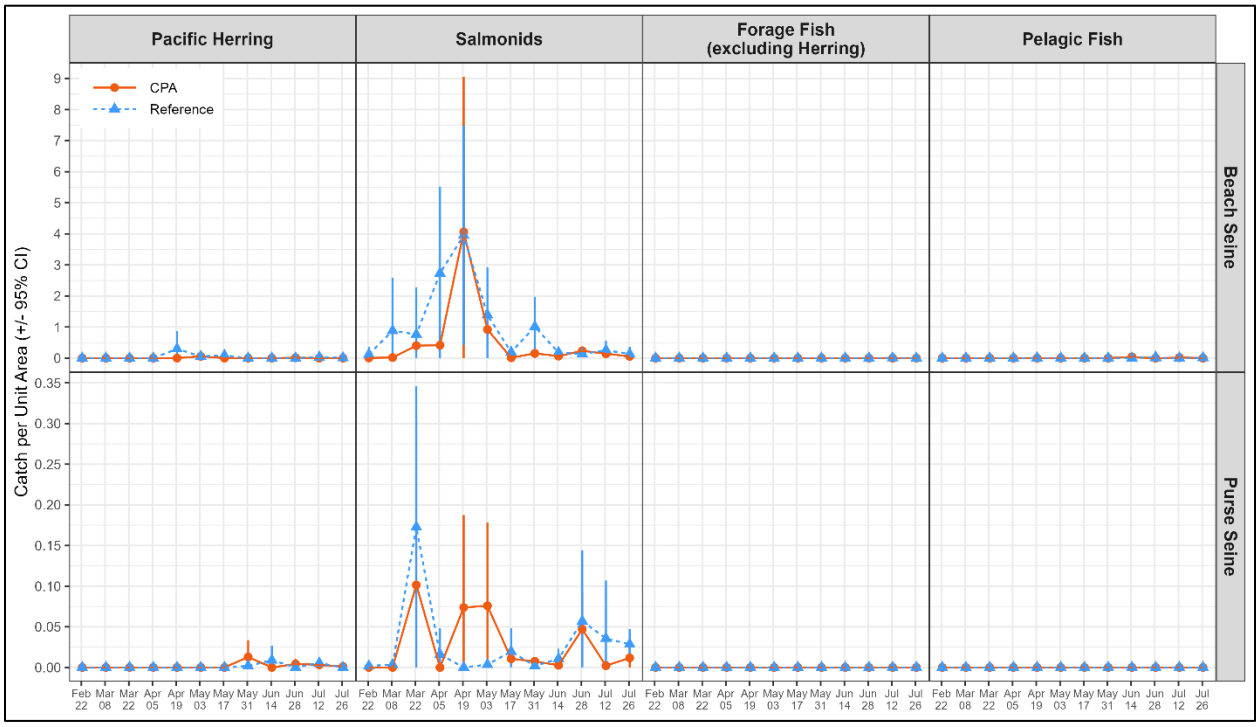


Figure 2-12 Average bi-weekly catch per unit area (CPUA, number of fish per m2, +/- 95% confidence interval) for fish groups and gear type in 2025 sampling year.

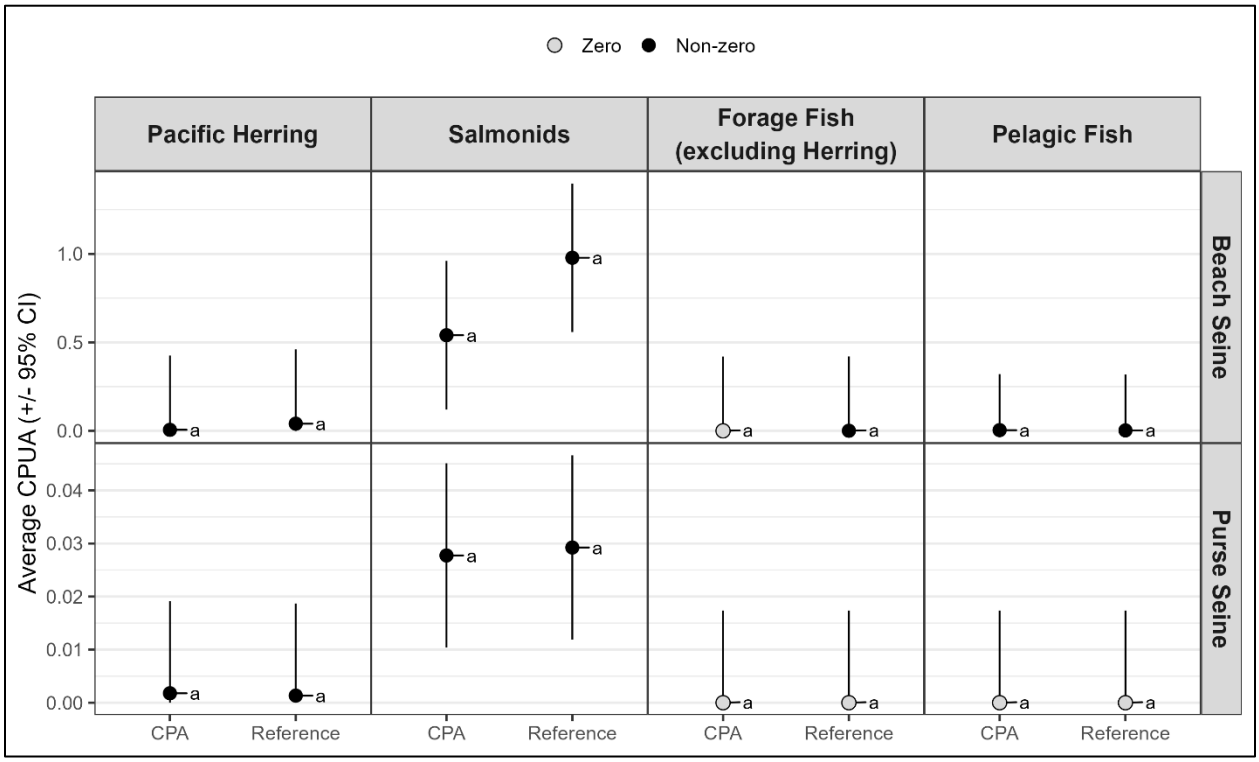


Figure 2-13 **Average annual catch per unit area (CPUA, number of fish per m^2, +/- 95% confidence interval) for targeted fish groups (KPI2) in 2025 sampling. Different letters denote significant difference between pooled CPA and Reference site means within each fish group.**

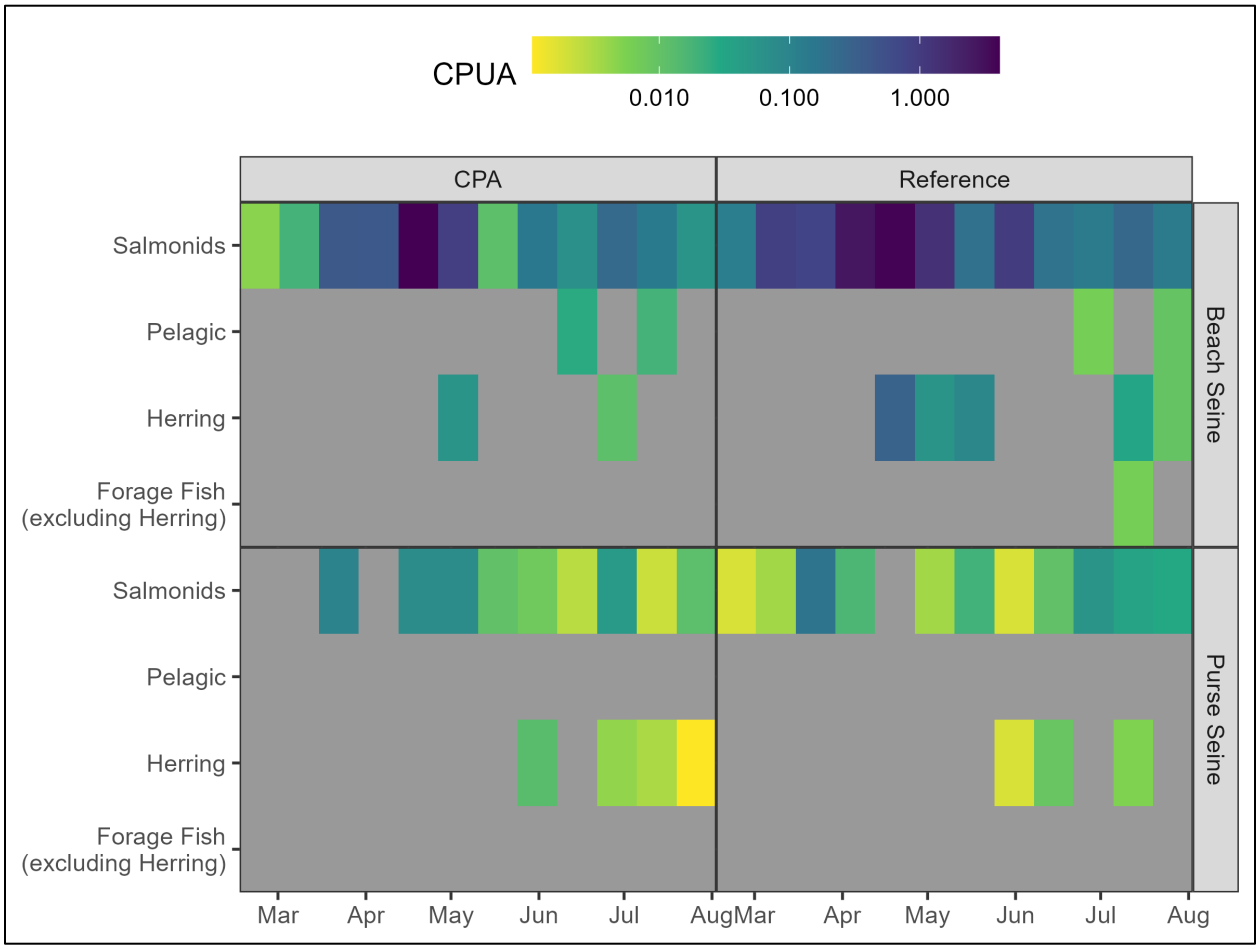


Figure 2-14 Average bi-weekly catch per unit area (CPUA, number of fish per m^2) for targeted fish groups (KPI2) in 2025 sampling.

2.2.2.1 Regional Data and comparison to previous years

Overall, species composition captured in beach seine and purse seine surveys was similar to 2024 surveys and baseline surveys. Four species were captured in 2025 that have not been captured in previous sampling years. This consisted of three demersal fish species (slender cockscomb [*Anoplarchus insignis*], plainfin midshipman [*Porichthys notatus*], soft sculpin [*Psychrolutes sigalutes*]) and one salmonid (steelhead trout [*Oncorhynchus mykiss*]).

Pacific Herring

Overall, the timing and presence of Pacific herring in the study area was similar to previous years. Given the propensity for large variation in CPUA based on schooling behaviour of this species, additional data will be required to understand the temporal dynamics and trends of Pacific herring within the study area.

Juvenile Salmonids

The timing of juvenile salmonid presence in the study area was consistent with previous year. However, overall CPUA in 2025 was more than two-fold higher than in 2024 at both CPA and reference sites. In beach seine samples, average annual CPUA increased from ~0.075 to ~0.5 fish/m^2 at CPA sites and from ~0.175 to ~1.0 fish/m^2 at reference sites between 2024 and 2025. In purse seine samples, average annual CPUA increased from 0.02 to 0.03 fish/m^2 at CPA sites and reference sites between 2024 and 2025.

Forage Fish

Similar to 2024, northern anchovy was the only forage fish captured within the study, albeit in smaller numbers than in some previous years. Given the sporadic nature of occurrence of this species in past years, and the propensity for large variation in CPUA based on schooling behaviour of this species, additional data will be required to understand the temporal dynamics and trends of northern anchovy within the study area.

Pelagic Fish

Pelagic species (excluding herring and other forage fish) were captured infrequently within the CPA and reference sites. Pelagic species were captured more frequently, and average bi-weekly and annual CPUA was higher than 2024. The same species (striped perch and shiner perch) were captured in 2024 and 2025 sampling events.

2.2.2.2 KPI2 Statements

Consistent with the hypothesis for KPI2, it is believed that fish abundance and migration through PPIA remained within the historical range of natural variation in 2025.

2.2.3 Recommendations

At this time, there are no recommended revisions to the survey methodology for the assessment of KPI2. Additional years of sampling will continue to provide verification that fish abundance and migration through CPA remains within the historical range of natural variation.

2.3 KPI 3: Change in Fish Behaviour – Pacific Salmon Spawners, Juvenile Presence (and Habitat Use) and Outmigration from Mill Creek

The potential for adverse effects to salmon spawning during the construction or operations phases arises due to activities that may impede the availability or quality of spawning habitat or affect fish passage and corresponding migration patterns of adult spawner returns and/or juvenile outmigration (e.g. unintended release of sediment to Mill Creek from terrestrial works, shoreline works near the confluence of Mill Creek). The potential for positive project effects to habitat are also intended through the implementation of the Green Zone to be completed in partnership with Skwxwú7mesh Úxwumixw (Squamish Nation) as outlined in the Squamish Nation Environmental Assessment Agreement. Following the completion of construction of the Project, a Green Zone Restoration Plan will be developed to restore Mill Creek riparian habitat (within the Green Zone) and is expected to include measures to improve instream fish habitat (including the riparian habitat).

It is the TAC's collective intention that the net result of individual pathways of effects on Pacific salmon spawning and outmigration are neutral to positive.

Study objective:

To assess potential relative changes in salmon spawners, juvenile salmonids outmigration and relative abundance and habitat use of resident species in Mill Creek from pre-construction, construction and into operational phases

Hypotheses:

1. The number of salmon spawners (i.e., pink, coho, and chum) remains within or above the historical range of natural variation for Mill Creek and in relation to Howe Sound.
2. Juvenile salmonid outmigration, relative abundance and habitat use of resident species in Mill Creek remain at pre-construction levels during the life of the Project.

KPIs: Two KPIs have been defined to detect potential project effects on salmon spawning in Mill Creek:

- **KPI 3a**: Salmon spawner counts in Mill Creek,
- **KPI 3b**: Salmon juvenile presence (and habitat use) and outmigration from Mill Creek, including:
- Fyke net catch per unit effort (juvenile outmigration)
- Minnow trap catch per unit effort (juvenile salmonid and resident species habitat use)
- Electrofishing catch per unit effort (juvenile salmonid and resident species habitat use)

2.3.1 Methods

Four sampling methods were used to evaluate the KPIs for Pacific salmon spawners, juvenile presence and outmigration from Mill Creek. KPI3a was evaluated by spawner count surveys to estimate the number and species of salmonids entering Mill Creek for spawning, and was conducted during the spawning period for pink, coho, and chum salmon (August to December). KPI 3b was evaluated using three sampling methods:

- Fyke net surveys to assess juvenile salmon outmigration from Mill Creek; and
- Electrofishing and minnow trapping to assess juvenile salmon and resident species relative abundance and habitat use of Mill Creek.

2.3.1.1 Salmon Spawner Count Surveys

Salmon spawner count surveys were conducted weekly between August 12, 2025, and November 27, 2025 at a frequency of at least every 7 days. Visual assessments were conducted along all accessible sections of Mill Creek up to the first barrier falls (i.e., barrier to fish passage), approximately 450 m upstream from the confluence at Howe Sound. This accessible length was divided into six segments for the spawning counts (**Figure 2-15**). These segments have been delineated based on distinct landmarks, such as the existing infrastructure and other visual markers in the field to aid in counts. The lower 300 m of Mill Creek can be assessed throughout the spawning season regardless of water levels and flow intensity, however, the upper 100 m segment to the barrier can only be assessed when water levels and/or bear activity within Mill Creek are low.

Within each segment, species of spawning salmon were recorded along with tally counts of:

- Live males,
- Live females,
- Carcass males,
- Carcass females, and
- Carcass unknown.

Each round of visual assessment was conducted by a minimum of two KEL biologists. Biologists walked along the west bank of the creek, starting either at the downstream end of Segment 1 and travelling upstream or at the upstream end of Segment 5/6 and travelling downstream. In addition to surveying along the banks, observations were made from the pedestrian bridge and 36-tonne bridge to gain additional vantage points (**Figure 2-15).** In addition to salmon spawner counts, *in-situ* water quality parameters were measured at Segment 1, Segment 3, and Segment 5.

2.3.1.2 Fyke Net Surveys

As outlined in the 2024 MFFH EEM Annual Report (Keystone Environmental 2025a), several changes to the fyke net survey methodology were recommended after the conclusion of the 2024 sampling program to increase the reliability of juvenile salmon outmigration estimates and reduce sampling induced mortality. This included revisions to the fyke net design, the fyke net sample location, and timing and effort of the surveys. For future years of sampling under the EEMP, fyke net surveys will be conducted only in even years as pink salmon only spawn in odd years in Mill Creek. However, as recommended in the 2024 annual report, fyke net surveys were conducted in 2025 over a five-day period to field test the updated equipment and methodology.

Juvenile salmon outmigration surveys in Mill Creek were conducted by deployment of a fyke net for four consecutive days between April 1, 2025, and April 4, 2025. The fyke net was installed on April 1 and removed on April 4.

The fyke net was installed off of the pedestrian bridge located 100 m upstream from the confluence with Howe Sound, which is 50 m upstream of the previous deployment location **(Figure 2-15, Photograph A20**).

An updated fyke net was custom fabricated prior to the 2025 sampling program. The fyke net had two wings, each with a length of 20 m that is sufficient to span the entire channel width of Mill Creek during high discharge and tidal events. A funnel with an aluminum frame connected the wings to a 1.2 m x 1.2 m x 1.4 m box trap made of aluminum, with wooden baffles installed within the box trap (**Photograph A19**). The fyke net has a mesh size of 6 mm in the wings and box trap component.

On March 31, a crew of four Keystone Biologists initially attempted to install the wings of the fyke net from the pedestrian bridge and attach the box trap at low tide as per the methodology used during the previous year and deployment location. The fyke net was deployed by first lowering the wings from the passenger bridge, then attaching the box trap to the net frame where the box trap attaches to the wings. However, personnel were unable to attach the box trap to the frame, as flows at low tide were too high to wade safely into the creek. A line was tied to the frame and secured to the bridge.

On April 1, a crew of four returned at high tide to pull the frame over to the right bank of the creek while it was floating and secured it to the bridge. At low tide, the crew was able to attach the box trap to the frame of the fyke net. The fyke net was checked daily for fish on April 2, 3 and 4 by pulling the box over to the right bank.

2.3.1.3 Electrofishing and Minnow Trapping Surveys

Two electrofishing sessions were conducted on July 25 and August 8, 2025. The survey team consisted of two Keystone biologists with valid electrofishing certification. Electrofishing was conducted using a modified closed site multi-pass removal method. Fish exclusion netting was installed at both ends of the sampling section and a multi-pass removal approach was used (**Photograph A21**). Under the multi-pass removal approach, a minimum of two passes of electrofishing in the assessment area is recommended. If the number of fish capture is declining in the second pass, a third pass is not conducted. Each pass was conducted moving upstream within the assessment area. All fish captured during each pass were temporarily retained in an oxygenated bucket, processed, and subsequently released immediately downstream (outside) of the assessment area stop nets after processing.

Minnow trapping was conducted twice in late spring (June 18 to 20, 2025) and summer (August 6 to 8, 2025). Minnow trapping was conducted by deploying 10 Gee-style minnow traps throughout lower Mill Creek (an approximate length of 250 m), from approximately 80 m to 330 m upstream of Howe Sound (**Figure 2-15**). Traps were deployed near the banks in pools or between boulders where there was refuge habitat. Water quality parameters were collected at MCMT01, MCMT03, and MCMT08 during the trapping session using a handheld YSI unit. Captured fish were retained in an oxygenated bucket of water. Captured fish were identified to species and life stage. Length (mm) and weight (g) measurements were also conducted for the captured fish.

2.3.1.4 Sample Locations and Timing

Twenty salmon spawner surveys were conducted between August 12, 2025, and November 27, 2025. Spawner surveys were conducted at a minimum frequency of every 7 days. During the potential peak of pink salmon spawning, an additional survey was conducted every other week (e.g. alternating between two surveys per week and one survey per week) (**Figure 2-16**).

The six salmon spawner assessment segments from the confluence of Mill Creek to approximately 400 m upstream were delineated based on clear infrastructure and visual markers in the field (**Figure 2-15**). During several surveys, not all six segments could be assessed, particularly the upper segments 5 and 6:

- During the week of September 12, Keystone biologists observed a black bear between Segment 3 and 4. As a result, assessment of the upper segments (4, 5 and 6) were not conducted. Additionally, Segments 1 and 2 could not be assessed on September 12 as highly turbid water prevented accurate visual counts (**Photograph A17, A18**).
- During the week of September 19, access to Segments 4, 5 and 6 were prohibited for all Woodfibre Site Personnel due to ongoing bear activity. A revised field protocol was developed that included an a third person acting as a dedicated bear monitor and communication with Woodfibre's onsite bear monitor to confirm of any recent sighting prior to entry behind red chained areas.
- The revised protocol was implemented for surveys starting on September 24th. On September 24th and October 3rd, all segments with exception of Segment 6 were assessed (due to black bear presence). On September 26th, a black bear was observed in Segment 5, therefore assessment of Segments 5 and 6 was not possible.

- For the remaining surveys between October 3 and November 27th, bear activity had decreased, but water levels were too high for safe access to Segment 6. Biologists must cross Mill Creek with chest waders from the west bank within Segment 5 and access Segment 6 along the east bank of Mill creek. Water levels were too high during surveys between October 3 and November 27th, with exception to on October 17th.

Minnow trapping was conducted twice in late spring (June 18-20) and summer (August 6-8). Both minnow trapping sampling sessions consisted of two consecutive 24-hour sets of 10 Gee-minnow traps. As noted in the MFFH EEMP (Keystone Environmental 2024a), the established minnow trap locations are MCMT 1 through MCMT 10.

During the late spring surveys, the water levels were too high to access the established locations (MCMT 9 and MCMT 10) located the furthest upstream. Instead, they were replaced by MCMT11 and MCMT12 which had also been sampled in 2024 when two locations (MCMT-03 and MCMT-04) were not feasible (**Figure 2-15**). During the summer sampling period, the established trap locations MCMT 1 to MCMT 10 were used.

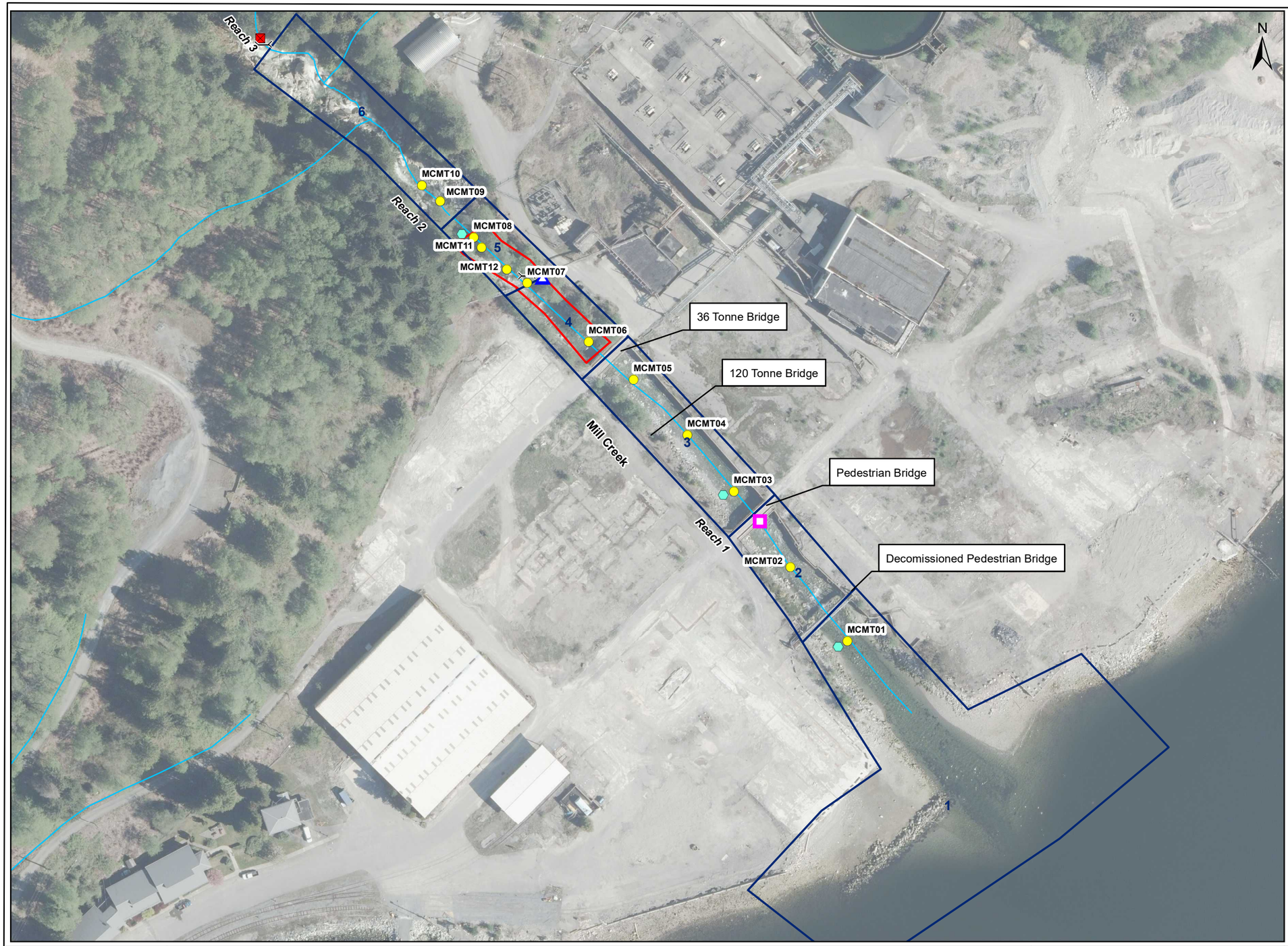
Electrofishing was conducted twice in the summer on July 25, 2025, and August 8, 2025. As noted in the MFFH EEMP (Keystone Environmental 2024a), electrofishing is to be conducted in conjunction with minnow trapping during the spring and summer sampling events. However, during the spring sampling event (i.e., June 18 to 20), water levels were too high to complete electrofishing within the defined assessment area shown on **Figure 2-15**. As per Revision 2 of the SOP (dated July 4, 2024), the location of electrofishing assessment area was moved further upstream, above the 36 Tonne Bridge, where water levels in Mill Creek are consistently deeper. As such, the 2025 sampling program was the first sampling year that electrofishing had been attempted in the defined assessment area during the spring sampling event.

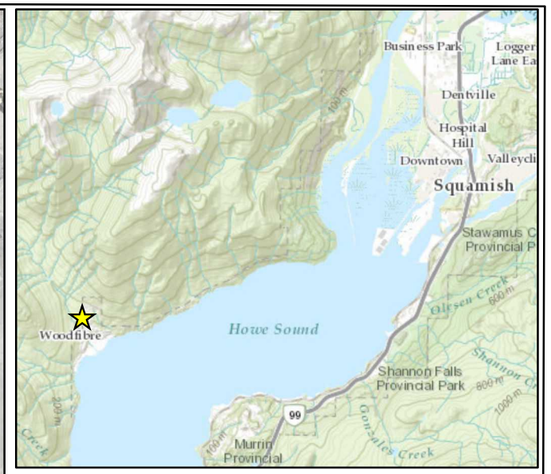
2.3.1.5 Data Analysis

The MFFH EEMP (Keystone Environmental 2024a) specifies the use of an area-under-the-curve (AUC) approach as a possible method to estimate salmon spawner abundance. Because pink salmon had more than one day where counts were observed, an estimate of Mill Creek spawners was generated using an Area-Under-the-Curve (AUC) type approach. AUC uses repeat visual counts of live spawners to approximate abundance curve over time. During the survey period salmon may enter or leave the system so the area under the abundance curve is divided by the residence time (i.e., the duration a salmon is expected to remain in the system and therefore exposed to sampling) to yield an estimate of the number spawners (Ames and Phinney 1977). Formally, this can be defined as:

$$\text{Spawners} = \frac{\text{AUC}}{\text{Residence Time}}$$

where AUC represents the area determined by integration of the spawner abundance curve and $Residence\ Time$ represents the average length of time an individual salmon stays on the spawning ground before dying. Typically, the spawner curve is integrated using approaches such as a trapezoidal sum; however incomplete sampling during the spawning peak made such approaches problematic so a General Additive Mixed Model (GAMM) was fit to the live counts to generate a smoothed curve represent the spawner abundance curve (Wood 2011,.2017). The smoothed curve provided an estimate of peak counts when sampling data was not available providing spawner abundance curve that was more representative of the expected system dynamics (i.e., number of salmon spawners steadily increase to a peak then decline) without making distributional assumptions on the form of the curve (e.g., Gaussian).





Legend

- MINNOW TRAP LOCATIONS
- FYKE NET LOCATION
- WATER QUALITY LOCATION (IN SITU)
- EXTENT OF TIDAL INFLUENCE
- BARRIER TO FISH PASSAGE
- REACH BREAK
- WATERCOURSE
- ELECTROFISHING ASSESSMENT AREA
- SPAWNING SALMON ASSESSMENT

Keystone Environmental

NOTES:
1. *THIS DRAWING IS FOR GENERAL INFORMATION ONLY. LOT BOUNDARIES AND FEATURES ARE APPROXIMATE.*
2. *THE DATE OF AERIAL PHOTO IS 2019.*

0 15 30 60 90 120 Meters

SCALE: 1:1,500 (approx)

Woodfibre
Squamish, B C
Woodfibre LNG Limited

REVISION No.	DATE	PROJECT No.
A	Mar. 2026	20327-104I

Figure 2-15
2025 Mill Creek Salmonid and Resident Fish Surveys

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To generate the estimate of spawners the fitted GAMM curve was numerically integrated to determine the area under the spawner abundance curve and divided by an assumed residence time of seven days to produce the spawner estimate. An estimate of residence time in Mill Creek is not currently available so the calculations were repeated for a range of potential residence times.

2.3.2 Results and Discussion

This section presents the results of sampling conducted in Mill Creek to assess salmon spawner return and juvenile outmigration, in addition to the presence and relative abundance of resident fish in Mill Creek. Four types of surveys (spawner surveys, fyke net sampling, electrofishing and minnow trapping) were conducted in Mill Creek to investigate its habitat use. This KPI is comprised of three variables that include salmon spawner counts, salmon juvenile outmigration and resident fish relative abundance and habitat use. Detailed site and fish capture data are presented in **Appendix F.**

2.3.2.1 Salmon spawners

Salmon spawner counts were conducted between mid-July and the end of November 2025. **Figure 2-16** illustrates the timing of the surveys and a summary of the results.

Pink salmon were present between early September and mid-October. The peak live pink salmon count was 1,446 on September 9, 2025. During the peak of spawning, the highest proportion of spawners (51.4 %) were observed in Segment 6, followed by Segment 5 (36.9 %) where spawning was observed in deep pool habitat (**Photographs A15**, **A16**). **Figure 2-17** presents salmon spawner counts by sex over the survey period. The highest number of male and female spawners was as observed on September 9, 2025. Given the inability to reliably access segment 6, only segments 1-5 were used when estimating salmon spawner abundance for 2025. Using the Area Under the Curve (AUC) method, the estimated number of pink salmon spawners in segments 1-5 for 2025 was 2,988 (95%: 2,144, 3,832, **Figure 2-18**).

Chum salmon were present in early and mid-October, with all live individuals (54) observed during a single sampling day on October 3rd. Although still a small number of individuals, this was a 10-fold increase from the maximum observed in a single day (5) in 2024. The results of 2025 continue to suggest that a small population of chum salmon spawn in Mill Creek.

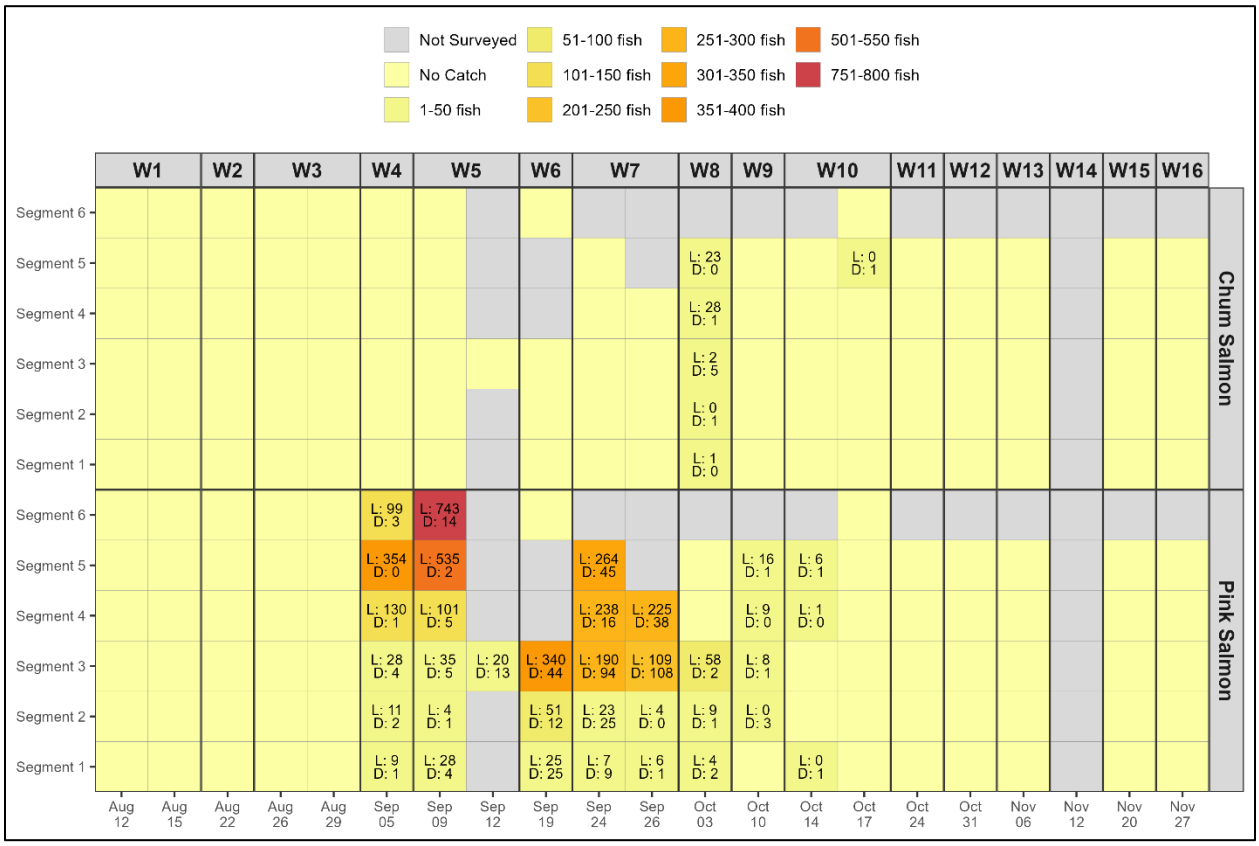


Figure 2-16 Weekly salmon spawner count (by segment for 2025, L=live spawners and D=Dead spawners).

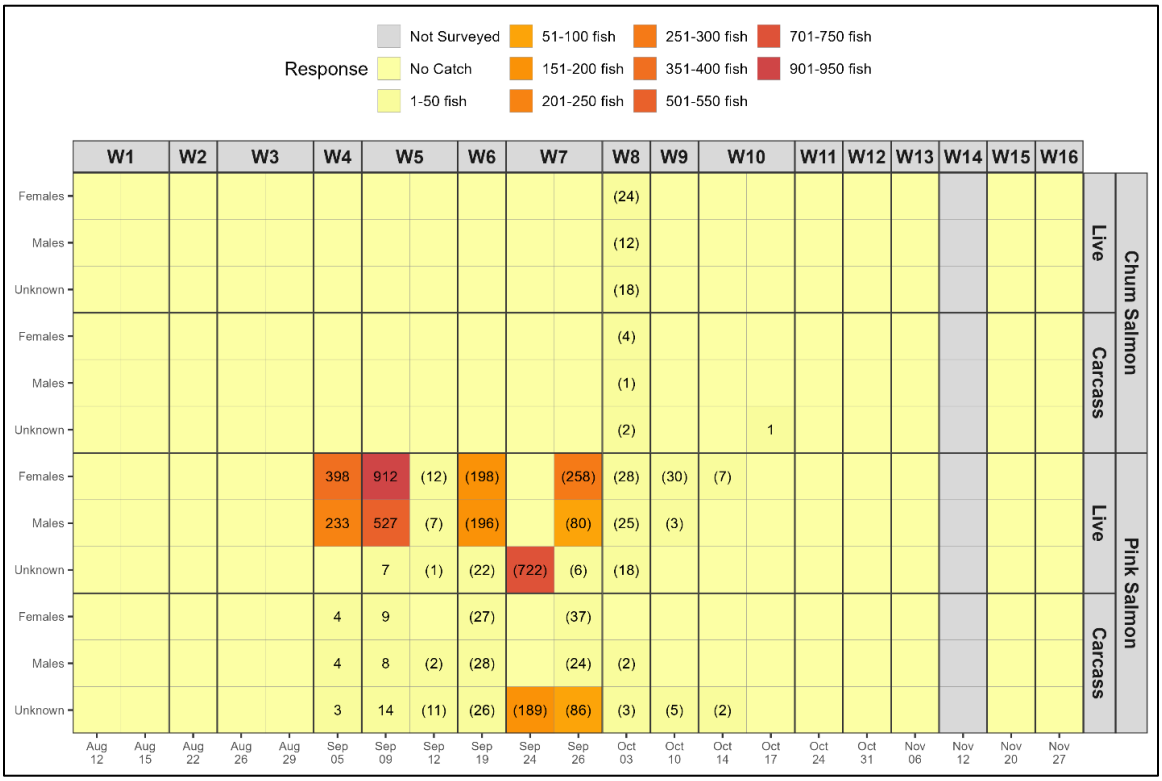


Figure 2-17 **Weekly salmon spawner counts in Mill Creek for 2025 by sex and status (i.e. live or dead). Parentheses indicate incomplete segment coverage.**

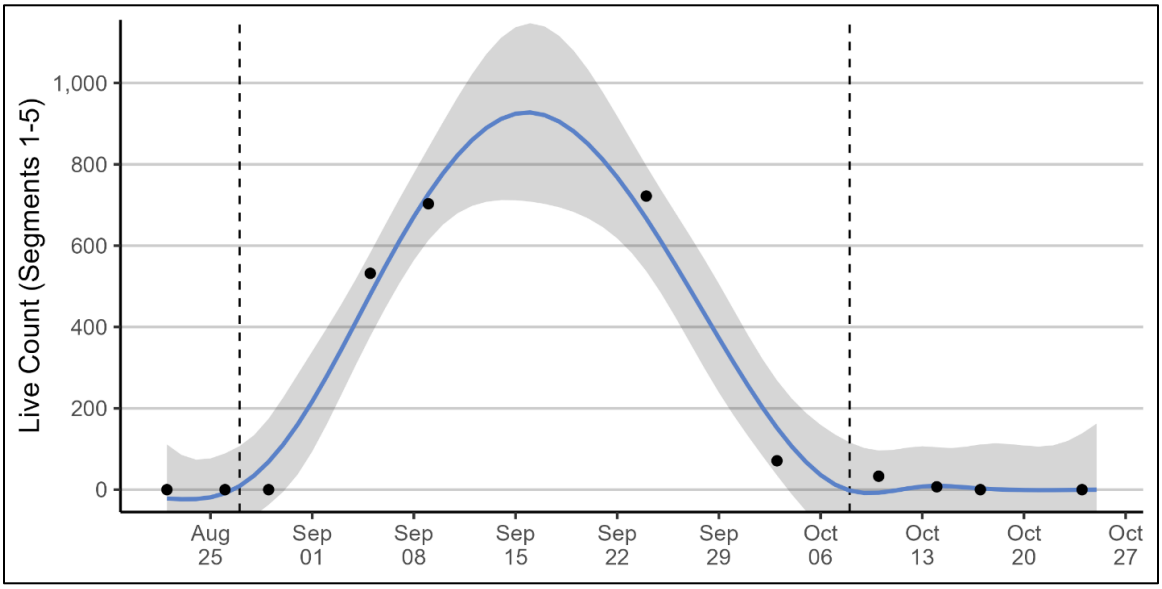


Figure 2-18 **Weekly live pink salmon spawner counts in Mill Creek for 2025.**

Model is a generalized additive mixed model (GAMM,+/- 95% CI) fitted to live pink salmon counts for segments 1-5. Area under the curve (AUC) was determined between the dashed vertical lines and used to determine a spawner estimate of 2,988 (95%: 2,144, 3,832) based on an assumed residency time of 7 days.

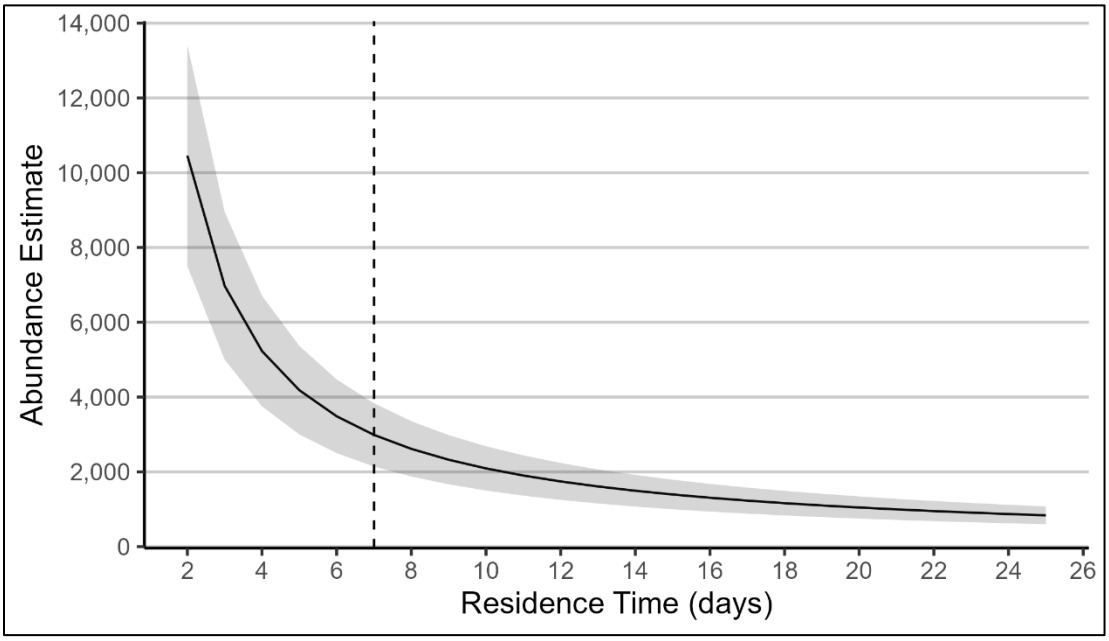


Figure 2-19 Relationship between AUC pink salmon abundance estimate and residency time, for 2025 data shown in Figure 2-18. Dashed lined indicates the assumed residence time of 7 days.

2.3.2.2 Juvenile salmon outmigration

No fish were captured during fyke net surveys conducted between April 1 to 4, 2025.

2.3.2.3 Juvenile Salmonid and Resident Species Habitat Use

Figure 2-20 illustrates the results of electrofishing surveys in Mill Creek (the total number of fish captured). **Figure 2-21** illustrates the timing and distribution of minnow trapping effort in Mill Creek and the total number of fish captured. **Figure 2-22** and **Figure 2-23** illustrate the resident fish CPUE from the electrofishing and minnow trapping surveys, respectively.

Over the survey period, four resident species were captured in Mill Creek, including two species of salmonids: Dolly Varden (*Salvelinus malma*) and rainbow trout (*Oncorhynchus mykiss*), and two species of sculpin (prickly sculpin and coastrange sculpin (*Cottus aleuticus)*. In addition, juvenile coho salmon were captured. All the captured species were detected in both the electrofishing and minnow trapping sampling methods.

In electrofishing surveys, only one pass could be conducted during the July 25 sampling event as time constraints limited the completion of a second pass under the multi-pass removal method. Just two fish were captured during the first pass. During the August 8th event, 22 fish were captured during Pass 1, and 9 fish were captured during Pass 2. As the number of fish decreased between the first and second pass, a

third pass was not required (**Figure 2-20**). During the first summer sampling event (July 25), one coho salmon and one Dolly Varden were captured. During the second summer sampling event, coastrange sculpin was the most abundant fish captured followed by coho salmon and prickly sculpin. Dolly Varden were captured in both summer electrofishing sampling events (**Figure 2-22)**.

In minnow trapping surveys, prickly sculpin was the most abundant fish captured during spring surveys followed by rainbow trout. During the summer surveys, prickly sculpin was the most abundant fish captured followed by coho salmon (**Figure 2-23)**. While rainbow trout and Dolly Varden were only captured during the spring sampling, they were captured during electrofishing during the summer, confirming their presence in Mill Creek in July and August.

As indicated by both survey methods, salmonid species (Dolly Varden, rainbow trout, coho salmon) were captured within pool habitat with large boulder and/or undercut banks.

Rainbow trout and Dolly Varden were captured in minnow trapping sites located above the extent of tidal influence (MCMT-7, MCMT-8, MCMT-12, **Figure 2-15**). Rainbow trout captured were between 75 mm and 113 mm FL. The majority of Dolly Varden captured were fry below 40 mm FL, with exception of one juvenile (102 mm FL).

Coho salmon were captured at minnow trapping sites located above and below the extent of tidal influence (MCMT-2, MCMT-5, MCMT-7, MCMT-8, **Figure 2-15**). Coho salmon were between 50 mm and 70 mm FL, suggesting they are at the juvenile parr life stage.

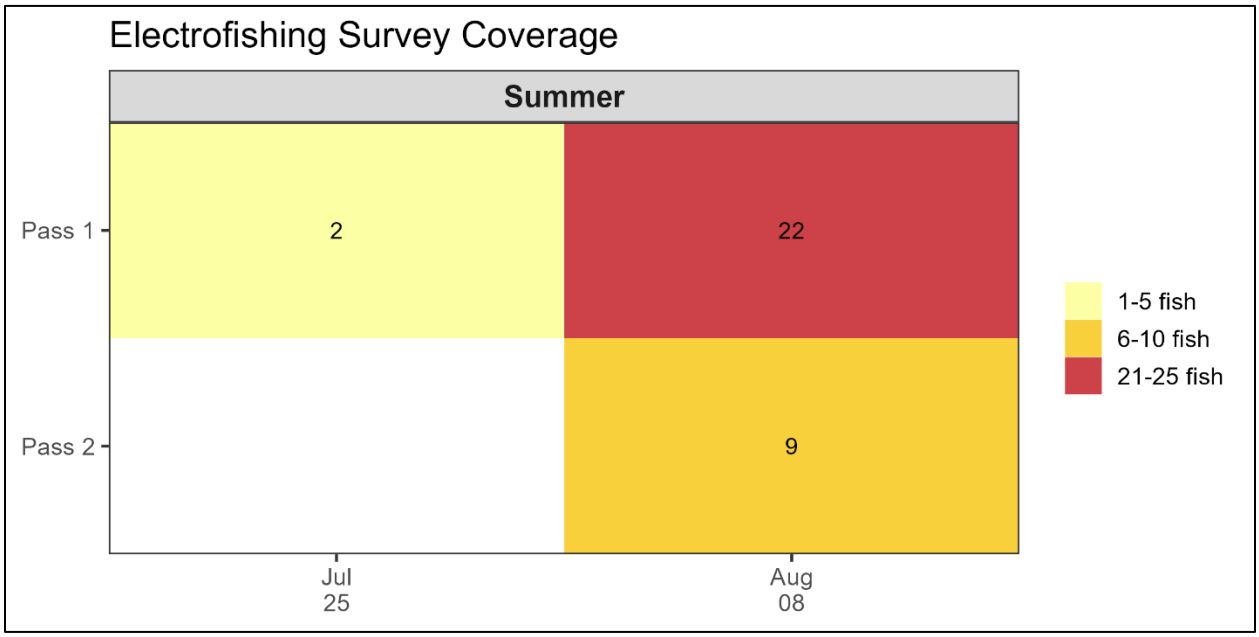


Figure 2-20 Total number of fish captured during electrofishing surveys in summer of 2025 in Mill Creek.

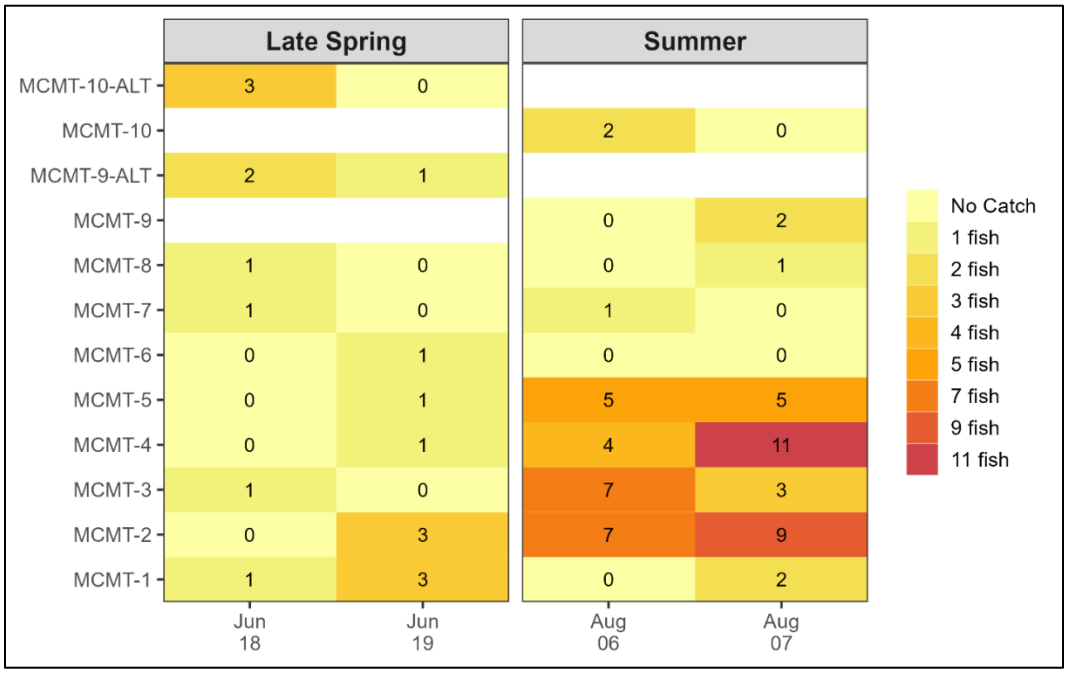


Figure 2-21 **Minnow trapping survey coverage and overall catch in Mill Creek for 2025. MCMT-9 and MCMT-10 were inaccessible in June due to high water levels, so traps were placed in the nearby habitat where flow was lower (labelled as MCMT-9-ALT and MCMT-10-ALT) See Figure 2-14 for minnow trapping locations.**

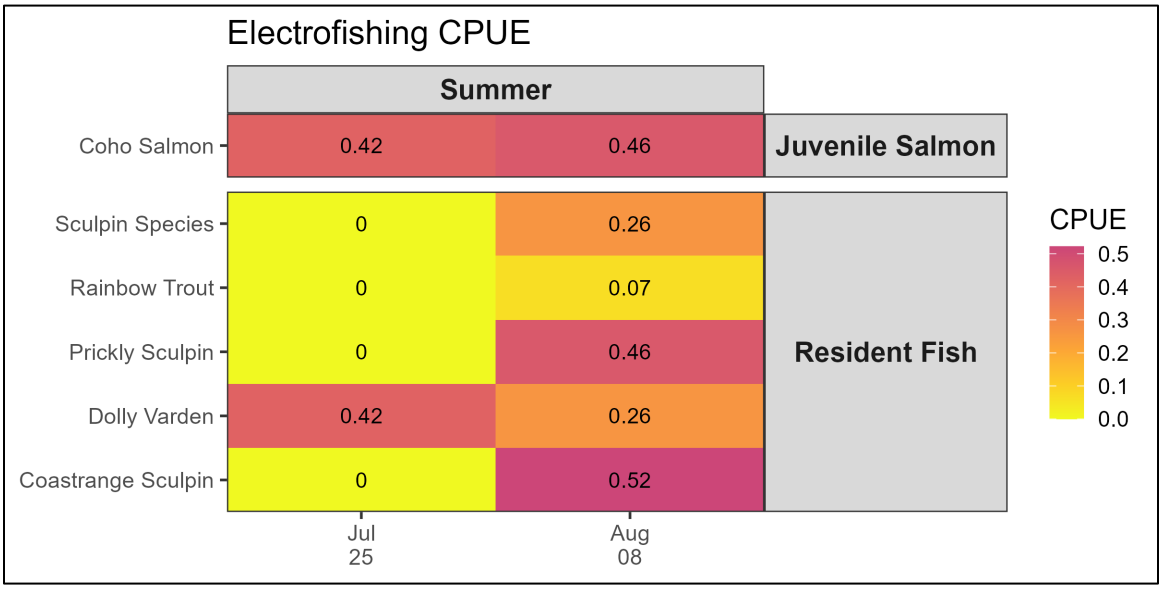


Figure 2-22 **Electrofishing survey results in Mill Creek for 2025. CPUE measures the total species count per 100 seconds of electrofishing.**

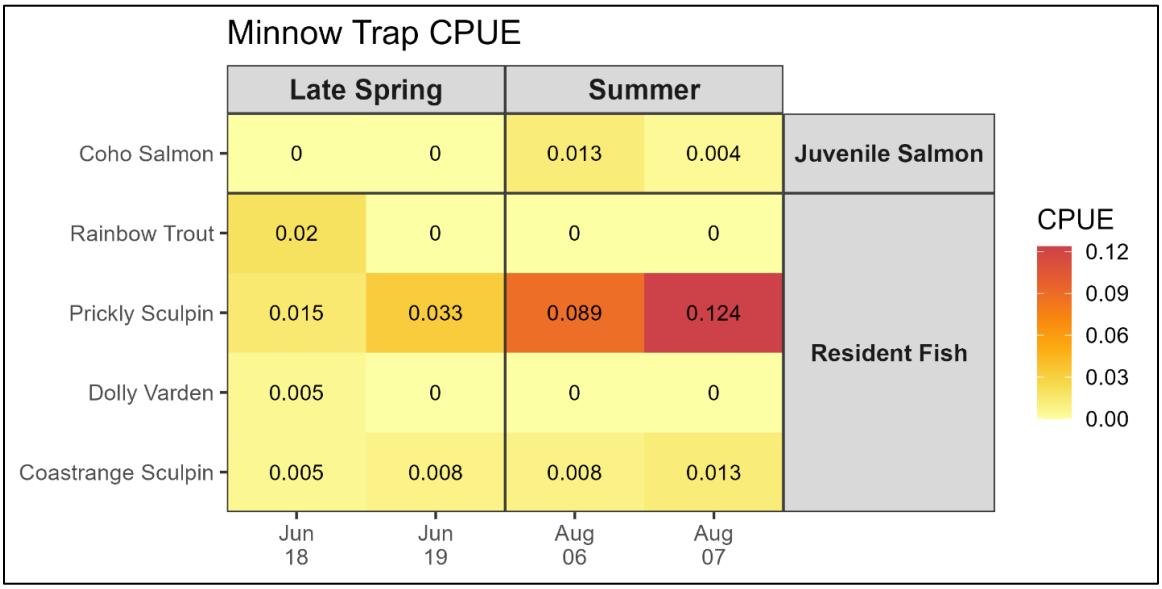


Figure 2-23 Resident fish and coho salmon CPUE (total species count per hour of soak time) from minnow trap surveys in Mill Creek for 2025[OBJ]

2.3.2.4 Regional Data and comparison to previous years

Determining whether the relative abundance of salmon spawners, juvenile salmonids outmigration and resident fish species remains within the historical range of natural variation will require additional years of sampling within the study area. Baseline surveys in Mill Creek were less frequent and varied in timing, sampling methodology, and level of effort (Keystone Environmental 2024b). However, a general comparison between the 2025 survey period (this study), 2024 EEM surveys, and baseline surveys is summarised below.

Salmon Spawners

Overall, the timing of pink salmon spawning in Mill Creek was similar in 2025 as to what was observed during baseline surveys, with returns beginning near the end of August/early September with the peak observed in mid-September. Live spawners were observed later in October compared to what has been observed in previous sampling years. Low numbers of live pink spawners were observed until October 14, 2025. In contrast, baseline surveys in 2021 and 2023 did not detect any live spawners in mid-October.

In 2025, the observed peak (1,446, September 9, 2025) was notably smaller than what was observed in 2023 (5,543, September 14, 2023). However, site access challenges (see Section 2.3.14) prevented sampling of all segments between September 12 and September 19, 2025, which could have been within the period of peak spawning activity.

Chum salmon were observed in early and mid-October, with all live individuals (54) recorded during a single sampling event on October 3. Although overall abundance remained low, the maximum daily count in 2025 represented a ten-fold increase over the 2024 single-day maximum (5, October 28, 2024). These observations continue to indicate that a small spawning population utilizes Mill Creek. Given the low abundance and concentration of individuals within a single survey date, the period of spawner presence is likely brief and temporally variable among years.

Juvenile Salmonid and Resident Species Habitat Use

Overall, the species composition captured in minnow trapping and electrofishing surveys was similar to 2024 surveys and baseline surveys. As in 2024 surveys, juvenile Dolly Varden were observed in freshwater section of Mill Creek. Keystone Environmental has conducted additional sampling in upper reaches of Mill Creek, upstream of the lower barrier falls complex (under different scope of work for fish and fish habitat) and captured Dolly Varden in 2024 and 2025. It is believed that juvenile Dolly Varden observed in freshwater section of Mill Creek within the study area originate from upstream sections of Mill Creek that are flushed down during high flow periods.

Juvenile rainbow trout have been captured consistently within the study area during baseline surveys in 2014, 2020, and 2023 (Keystone Environmental Ltd. 2024b) and during 2024 EEM surveys. Sampling conducted by Keystone Environmental in 2024 and 2025 did not detect rainbow trout in upper reaches of Mill Creek, however, Knight Piesold reported capturing one rainbow trout upstream of the barrier to fish passage (Knight Piésold 2022). The origin of rainbow trout in freshwater section of Mill Creek is not clear.

While not detected during 2024 EEM surveys, juvenile coho salmon were captured during 2025 EEM surveys and have previously been detected during baseline surveys. As coho salmon have not been detected during spawner surveys, it is continued to believe that the presence of coho salmon is a result of non-natal habitat use, and observations may be considered occasional and low-density.

2.3.2.5 KPI3 Statements

Consistent with the hypothesis for KPI3, it is believed that the number of salmon spawners, juvenile salmonids outmigration and relative abundance and habitat use of resident species in Mill Creek remained within the historical range of natural variation in 2025. Additional years of sampling will continue to provide verification that salmon spawner and resident fish behaviour in the CPA remains within the historical range of natural variation.

2.3.3 Recommendations

Several challenges limited the ability to reliably survey all sections of Mill Creek during each Salmon Spawner Count survey, resulting in only three complete surveys during the study period. A primary constraint was the crew safety concerns resulting from regular presence of black bears within Segments 4, 5, and 6 during the peak pink salmon spawning period.

For future spawning surveys, the use of a drone is recommended to support consistent assessment of creek segments. The drone will be used to survey upper segments when they are and will also be trialed across all accessible segments in conjunction with visual counts to evaluate potential differences between visual and drone-based spawner counts. Results from these trials will be used to estimate potential error between methods. Sampling methods will be further refined in consultation with the TAC, and revisions to the SOP will be finalized prior to the 2026 sampling period.

2.4 KPI4: Introduction of Invasive Species from Ballast Water Exchange or Other Means

The potential for the introduction of Aquatic Invasive Species (AIS) during the construction or operations phases arises due to various project activities that increase the vector pressure for introductions. Commercial shipping activities (e.g. ballast water discharge, hull fouling) are identified as introduction vectors for non-indigenous species (NIS), and artificial structures (e.g. docks and pilings) at shipping terminals provide sufficient substrate to aid successful invasions of non-indigenous fouling organisms. Notably, the detection of species can be difficult, and non-detections do not necessarily confirm species absence. In addition, detection of NIS or AIS does not demonstrate causation by the Project. However, monitoring works can provide critical regional baseline data for comparison with other regions and for anticipating AIS impacts. This overall context is embedded into the study objective and hypothesis below.

- **Study objective:** To detect the presence of AIS within the CPA
- **Hypothesis:** AIS presence and abundance is kept to zero throughout the life of the Project
- **KPIs:** Two KPIs have been defined to detect potential presence of AIS within the CPA:
  - KPI4a: Sessile Invasive Species Counts
  - KPI 4b: Catch per Trap Effort of European Gren Crab (EGC, *Carcinus meanus*)

2.4.1 Methods

Two sampling methods were used to evaluate the established KPIs for AIS presence within the CPA. To evaluate KPI4a, sessile AIS were monitored using the collector plate method. The collector plate method is a passive monitoring technique that assesses the presence of marine fouling organisms. To evaluate KPI 4b, crab trapping was conducted to detect the potential presence of EGC.

2.4.1.1 Collector-plate Arrays

Five collector-plate arrays were deployed at various locations within and outside of the CPA for the prescribed monitoring period of six months. Each collector-plate array consisted of:

a. a lead core sinking rope line weighted at the bottom with a cinderblock to ensure that collector-plate arrays hang vertically in the water column,

b. three 15 cm x 15 cm square, sanded polyvinyl chloride (PVC) plates with holes drilled in the centre of each plate so they could be threaded onto the rope line at target depths, and

c. a marker buoy tied to the top of the rope line, so the plates remained at a consistent depth and submerged below the water surface with changes in tide height (**Photograph A24).**

Buoys were labeled with the monitoring scope, company name, and contact number and rugged reflective tape were attached onto buoys to increase visibility at night. *In-situ* water quality measurements were collected to field verify the appropriate target depths that the PVC plates would be deployed below the water surface, so the top plate targeted the freshwater layer (i.e., above the halocline) while the bottom two plates targeted the marine layer (i.e., below the halocline). In accordance with SOP, the top plate was deployed at 1 m, the middle plate was deployed at 5 m, and the bottom plate was deployed at 6 m below the water surface at all deployment locations with exception to AIS-2. The depth of the plates at AIS-2 had

to be revised due to lack of sufficient water depth. At this location, the plates were deployed at 1 m, 2 m, and 3 m below the water surface. The array could not be placed deeper because other locations in its proximity would either be within the footprint of the floatel or interfere with site operations and constructions. The plate arrays were deployed in the subtidal zone at depths ranging from 7 to 15 m, so the plates remained off the seabed at low tide.

In addition, at applicable locations, ground lines (lead core sinking rope line) were attached from the weighted cinder block and tied to secure attachment points on shore to aid in deployment and retrieval of the collector plates. Ground lines were used to minimize the chance that buoys would go missing by securing their position on the seabed.

Following deployment for the prescribed monitoring period, plate arrays were recovered and preserved in 10% formalin. The plates were sent to Biologica Environmental Services Ltd. (Biologica) for taxonomic identification to the lowest practicable level. At the laboratory, the top and bottom surface of each plate were processed by a taxonomist to identify epifaunal taxa, including invertebrates. All colonial organisms and abundant sessile (attached/encrusting) organisms, including barnacles and mussels, were recorded as percent cover. Organisms were considered abundant if newly settled individuals were present or individuals were too numerous to accurately be enumerated. All other organisms including solitary and mobile organisms (worms, amphipods, chironomids etc.) were identified and individually counted. Specimens that received individual counts were not given a percent cover category designation. Detailed enumeration and identification methods conducted by Biologica are provided in **Appendix G.**

2.4.1.2 European Green Crab Trapping

European Green Crab trapping was conducted to detect the potential presence of EGC within the CPA on July 8, 2025. Collapsible crab traps (24" x 18" x 8") with a mesh size of approximately 2 cm and two entrances of 18" were deployed at each sampling location. Cat food was used as bait and inserted into mesh bait bags attached to the inside of each trap prior to deployment.

Traps were deployed in the shallow subtidal zone, in maximum depths of 6 m to capture potential EGC habitat (DFO 2023a). Traps were set for a minimum soak time of 24 hours at each sampling location.

Following retrieval of the traps, captured crabs and/or bycatch were temporarily retained in an oxygenated bucket of marine water. If EGC were to be captured, they would be identified and enumerated by species and life stage. Data collected for each crab would include carapace width (mm) and sex, weight (g), and indicators of maturity (e.g. claw size, female abdomen size, colour). Additional bycatch within traps (e.g. fish, other crabs or invertebrates) were identified to species as incidental observations and total length (mm) or carapace width (mm) was measured.

2.4.1.3 Sample Locations and Timing

Collector Plate Arrays

Collector plate arrays were deployed at 3 locations within the CPA and at two reference locations located north and south of the CPA respectively **(Figure 2-24**). Locations were selected within the CPA to be in proximity to areas onsite where ships and barges will frequent and were subject to locations approved by Woodfibre LNG that did not interfere with site construction, operations or safety. AIS-1, located south of Woodfibre Creek is in proximity to the existing roll-on and roll-off facility (Ro-Ro), AIS-2, located north of the Floatel is in proximity to the Floatel and passenger ferry dock. AIS-3 is located in proximity to the northeast barge ramp and materials offloading facility (MOF).

Collector plate arrays were deployed in October 2024 and April 2025. The first deployment (i.e., deployment 1) was conducted on October 4, 2024. The second deployment (i.e., deployment 2) was conducted from April 15-17, 2025. The arrays were retrieved approximately 6 months following, allowing sufficient time for species recruitment and community development.

European Green Crab

Traps to detect the presence of EGC were set at 5 locations within the CPA (**Figure 2-24**). Trapping locations were spaced accordingly to capture the area of the CPA and were subject to locations approved by Woodfibre LNG that did not interfere with site construction, operations or safety. Traps were set on July 8, 2025, and retrieved on July 9, 2025; one crab trap was set at each sample location with a soak time between 24 to 25 hours.

Surveying of reference sites outside the CPA did not occur as there have been no confirmed sightings of EGC within Howe Sound, as determined by regional data sources. According to monitoring conducted by the DFO Aquatic Invasive Species Program (mapping last updated February 20, 2026), the closest observations have been on the Sunshine Coast south of Sechelt and in the Burrard Inlet (DFO 2026).

2.4.2 Results and Discussion

2.4.2.1 Collector Plate Arrays

Detailed laboratory results provided by Biologica for deployment 1 and 2 are provided in **Appendix H.** A summary of the number of unique taxa and total abundance at each collector plate from each deployment is provided in **Table 2-3.** Overall, no invasive species taxa were identified on the collector plates.

During deployment 1 (October 2024-April 2025), one of the locations (AIS-3) deployed near the MOF went missing several months into the deployment cycle (January 2025). The reason for the missing array is not known, but it is predicted that it was relocated during site construction activities without notification. As it was already halfway through the prescribed monitoring period, the array was redeployed during the next deployment cycle (April 2025-October 2025). The updated located for AIS-3 deployed the buoy within a concrete mooring dolphin constructed for the MOF to minimise its interaction with ongoing construction activities. During retrieval of the arrays from deployment 2, the array at AIS-3 could not be retrieved. The rope line of the array was tangled around horizontal beams of the dolphin substructure located below the water surface. Entanglement likely occurred during tidal changes causing extra slack of the rope line to entangle with the substructure (**Photograph A25**). The buoy was retrieved at a later date by Keystone divers who could cut the rope line below the water surface. Samples have been submitted to the lab; however, results are not available at the time of the report, thus they will be provided with the 2026 annual report.

Table 2-3 Number of Unique attached Taxa and Total Abundance Identified on Collector Plates

Sample ID	Number of Unique Attached Taxa	Total Unique Taxa per Plate	Total Abundance
Deployment 1 (October 2025-April 2025)			
AIS 1-1	3	7	195
AIS 1-2	5	9	991
AIS 1-3	7	12	112
AIS 2-1	2	10	2019
AIS 2-2	5	13	1998
AIS 2-3	5	26	2160
AIS NR-1	2	11	727
AIS NR-2	4	25	652
AIS NR-3	5	21	1767
AIS SR-1	2	7	899
AIS SR-2	3	11	2485
AIS SR-3	4	15	678
Deployment 2 (April 2025-October 2025)			
AIS 1-1	4	11	463
AIS 1-2	2	6	18
AIS 1-3	4	8	224
AIS 2-1	3	6	184
AIS 2-2	3	8	187
AIS 2-3	4	9	453
AIS SR-1	*Plate missing from array*		
AIS SR-2	2	6	543
AIS SR-3	3	9	131
AIS NR-1	3	7	171
AIS NR-2	2	5	80
AIS NR-3	2	7	177

480600.000000 481200.000000 481800.000000 482400.000000 483000.000000

5502000.000000 5501600.000000 5501200.000000 5500800.000000 5500400.000000 5500000.000000

MILL CREEK

WOODFIBRE CREEK

CT25-1
AIS-3
CT25-2
CT25-3
AIS-2
CT25-4
AIS-1
CT25-5
AIS-SR

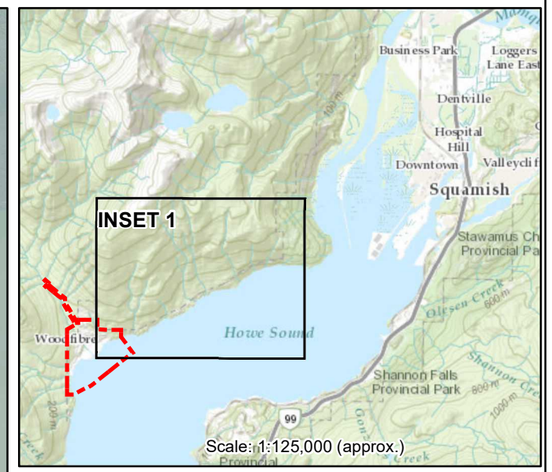
N

INSET 1

AIS-NR
CT25-1
AIS-3

0 250 500 1,000 1,500 2,000 2,500 m

Scale: 1:50,000 (approx.)



Scale: 1:125,000 (approx.)

LEGEND

- AIS PLATE DEPLOYMENT (OCTOBER 2024, APRIL 2025)
- CRAB TRAP DEPLOYMENT (JULY 2025)
- POTENTIAL PROJECT IMPACT AREA
- CERTIFIED PROJECT AREA
- STREAM

Keystone Environmental

NOTES:
1. *THIS DRAWING IS FOR GENERAL INFORMATION ONLY. LOT BOUNDARIES AND FEATURES ARE APPROXIMATE.*
2. *THE DATE OF AERIAL PHOTO IS 2024.*

100 0 500 m

Scale: 1:10,000 (approx.)

Woodfibre
Squamish, B C
Woodfibre LNG Limited

REVISION No.	DATE	PROJECT No.
A	Mar. 2026	20327-104I

Figure 2-24
2025 Aquatic Invasive Species Deployment Locations

DRAWN BY: LW/CS/PY Document Path: I:\0-GIS\1-Projects\1-WLNG\GIS_CADD\20327\00104I\2026_Mar03\Fig2-24-AquaticInvasiveSpeciesDeployment-RA.mxd

2.4.2.2 European Green Crab

EGC were not captured during trapping. Incidental bycatch captured during trapping included white spotted greenling (*Hexagrammos stelleri*), coastrange sculpin (*Cottus aleuticus*), Pacific staghorn sculpin (*Leptocottus armatus*), red rock crab (*Cancer productus*), and juvenile dungeness crab (*Metacarcinus magister*) (**Table 2-2**). Detailed trapping data is provided in **Appendix I.**

Table 2-4 Incidental bycatch captured during EGC trapping within the CPA on July 9, 2025.

Site ID	Species	Total Capture
CT25-1	*No catch*	
CT25-2	White Spotted Greenling	1
	Coastrange Sculpin	1
CT25-3	Dungeness Crab	1
	White Spotted Greenling	1
	Pacific Staghorn Sculpin	1
CT25-4	Red Rock Crab	1
	White Spotted Greenling	1
CT25-5	Dungeness Crab	1

2.4.2.3 Regional data and comparison to previous years

Collector-plate Arrays

Invasive taxa were not identified on collector plates in the CPA or at reference plates in 2025. In 2024, one invasive taxon (*P. cornuta*) identified within the CPA when 2 total individuals were observed at the middle plate at 5 m below the water surface. This species is known to be regionally introduced in BC with previous records documenting it within the Burrard Inlet and Vancouver Harbour. See the 2024 annual report (Keystone Environmental 2025a) for further description of *P. Cornuta.* Its absence in 2025 samples suggests that a significant population has not been established within the CPA.

EGC

EGC were not detected within the PPIA in 2025. Since 2021, the Sea to Sky Invasive Species Council in collaboration with DFO has conducted an annual EGC monitoring program in Howe Sound. The 2024 program included monthly monitoring from May to September at four sites, located at the Mamquam Blind Channel, Cattermole Slough, Furry Creek, and Porteau Cove. Evidence of EGC was not observed in 2024 surveys, nor in surveys conducted from 2021 to 2023. Results from 2025 surveys are not yet available (SSISC 2025).

2.4.2.4 KPI4 Statement

Inconsistent with the hypothesis for KPI4, AIS presence and abundance was not kept to zero throughout the life of the Project.

However, priority species regulated under the DFO Aquatic Invasive Species Regulation have not been observed (e.g. EGC, tunicate species), and no invasive taxa were documented in 2025. Little is understood about the invasion status of the observed AIS (*P. cornuta,* see 2024 annual report) and management strategies for established populations are not known. The absence of *P. Cornuta* in 2025 samples suggests it is not a dominant species and has not negatively impacted diversity of the epifaunal invertebrate community within the CPA.

2.4.3 Recommendations

As mentioned in Section 2.4.2.1, the retrieval of the AIS collector plate at AIS-3 was delayed due to its entanglement with site infrastructure. It is acknowledged that deployment in certain areas of site is challenging due to ongoing site activity and the exact location of arrays may change slightly between deployment periods depending on direction from WLNG site representatives. If deployment is approved within the MOF mooring dolphin or in proximity to other site infrastructure for future monitoring periods, it is recommended that divers assist in its deployment to assure placement that avoids potential entanglement with structures below the water surface.

2.5 Incidental Observations

The following section summarises notable incidental observations recorded during the 2025 EEMP surveys and other Site assessments for lingcod, glass sponge reefs, and Northern anchovy. Although the following observations are non-target and not directly tested by KPIs, they are acknowledged as species of interest due to their sensitivity, and ecological and cultural significance.

Lingcod egg masses were observed within the CPA during herring dive surveys on February 13 and February 27, 2025 (**Figure 2-2**). In total, four lingcod egg masses were observed within the CPA. Observations were concentrated near the northeast corner of the CPA, among large boulder and bedrock crevices near the FST footprint. Results of baseline dive surveys and 2024 EEM surveys also show repeated presence of lingcod egg mass in this location, indicating its regular use by lingcod. Potential effects from FST construction include physical disturbance or sediment deposition. The Project's *Fisheries Act Authorization* was amended to permit FST pile installation outside the MRLW (August 16 to January 31) when lingcod egg masses have the potential to be present. The amended authorization outlined additional mitigation measures that included measures for protection of lingcod egg masses. Additional measures included weekly dive surveys to assess lingcod egg mass presence within 100 m of all FST work areas and issue of a stop work order if lingcod egg masses were detected within 50 m of active FST pile installation or removal works (Keystone Environmental 2026). The mitigation measures were implemented in February 2026 for FST pile installation activities. Lingcod egg masses were also observed at the north and south reference sites during herring dive surveys. At Reference Site 1 (south of CPA), lingcod egg masses were observed on February 12 and March 12, while at Reference Site 2 (north of CPA), lingcod egg masses were observed on February 11, February 25, and March 11. Overall, a higher density of lingcod egg masses were observed at Reference Site 1 while density at Reference Site 2 was comparable to the CPA. In total, 13 egg masses were observed at Reference Site 1, and 4 egg masses were observed at Reference Site 2 (**Figure 2-2**).

Outside of the 2025 EEMP monitoring scope, drop camera and Remotely Operated Vehicle (ROV) surveys were conducted between June and August 2025 to determine biophysical characteristics within the footprint of Floatel #2 and its offshore drag anchors. The survey focused on areas that had not been previously during baseline surveys as previous studies did not extend to sufficient depths of the proposed footprint. The surveys identified 11 individual cloud sponges *(Aphrocallistes vastus*) – a subspecies of glass sponge, between -45 m and -145 m CD, with the highest concentration of individuals between -90 and -120 m CD. Glass sponges were observed to be non-aggregating, present either individually or in pairs. Glass sponge reefs or gardens were not observed. Although not always visible in video footage, it is likely that all glass sponges observed were attached to hard substrate such as bedrock or boulder, which was not always clear when covered in a thin layer of silt.

The Floatel #2 drag anchors and drag anchor chains have the potential to negatively impact the individual glass sponges through physical disturbance resulting from crushing or burying the sponges. Based on the assessment of effects, the *Floatel #2 Mooring system Glass Sponge Mitigation Plan* (Keystone Environmental 2025b) was developed that defined areas of potential seabed disturbance around each drag anchor. The Floatel #2 mooring system was designed to avoid the documented glass sponges and assure that glass sponges were not located within any of the potential disturbance areas. Based on the habitat limitations identified (i.e., high sediment loads, limited presence of hard substrate), it is unlikely that further growth of glass sponges will occur beyond the existing locations identified during the two-year period of operation of Floatel #2. Further details on the biophysical surveys, assessment of effects, and implementation of mitigation measures can be found in the Aquatics Effects Assessment for Floatel #2 (Keystone Environmental 2025c) and the Floatel #2 Mooring system Glass Sponge Mitigation Plan (Keystone Environmental 2025b).

As noted in **Section 2.2.2** northern anchovy were near absent from the study area in 2025 with the exception to one larvae captured at a beach seine reference site. The relative abundance of Northern anchovy within the CPA and reference sites will continue to be monitored under KPI2c: Forage Fish, and if of interest could be revised into a separate quantitative sub-KPI.

3. SUMMARY AND CONCLUSIONS

Woodfibre LNG commenced construction in November 2023 of an LNG export facility on the former Woodfibre Pulp Mill site in Howe Sound. Project construction is expected to take four to five years. This monitoring report presents the results of the second year (i.e. 2025) of monitoring conducted in accordance with the MFFH EEMP.

This report presents the results of the 2025 monitoring program, based on four main KPIs that were selected to test project-level effects as defined in the MFFH EEMP (Keystone Environmental Ltd. 2024a):

- KPI1: Change in fish behaviour- Pacific herring spawning
- KPI2: Change in fish abundance – presence and migration through the CPA
- KPI3: Change in fish behaviour: salmon spawning and outmigration from Mill Creek
- KPI4: Introduction of invasive species from ballast water exchange (or other means)

Consistent with the hypotheses established for each KPI, it is believed that the results recorded in the CPA remain within the historical range of natural variation and no preliminary observations of project-level effects were observed. Notably, as this was the second year that the EEMP was implemented, additional years of data collection are required to make observations beyond qualitative comparisons to baseline data collection. An analysis of trends for each KPI is expected in the synthesis report after construction is completed.

At this time, there are no suggested modifications to mitigation measures outlined in MFFHMMP as they pertain to general works, timing windows, and other measures to mitigate effects on fish and fish habitat.

Key observations made during the 2025 monitoring program include:

- Salmonids were present within the CPA and reference sites during the entire survey period, with different species showing peaks between April and July.
- Three Pacific herring spawn events were observed at Reference Site 1 on March 26, April 10, and April 24, 2025. Pacific herring spawn was not observed within the CPA or at Reference Site 2 during 2025 surveys.
- All three spawn events at Reference Site 1 occurred in the rocky intertidal waters on a mix of bedrock and rockweed substrates, between 0 and 4 m above CD. Additional years of data will help refine the timing that herring are most likely to spawn in the CPA.
- Overall, catches were higher in beach seine surveys than in purse seine surveys. Most beach seine hauls fish captures were in 10-99 fish class. For beach seine, the highest number of fish capture was observed on April 16 at BS-AR (>3000 fish class).
- Forage fish were near-absent from the study area in 2025.
- Priority invasive species regulated under the DFO *Aquatic Invasive Species Regulation* were not observed (e.g. EGC, tunicate species). Modifications to the monitoring method are required to ensure the successful deployment of collector plate arrays.

4. PROFESSIONAL STATEMENT

Keystone Environmental Ltd. confirms that this report titled *2025 Marine Fish and Fish Habitat Environmental Effects Annual Report* has been prepared in general conformance with the *Marine Fish and Fish Habitat Management and Monitoring Plan and the Marine Fish and Fish Habitat Environmental Effects Monitoring Plan*. This report has also been prepared in a manner consistent with that level of care and skill normally exercised by other members of the environmental science and engineering profession practising under similar circumstances in the area at the time of the performance of the work.

Recommendations and guidelines presented in this report are based upon (i) a review of available documentation and records, (ii) discussions with available personnel and regulatory representatives, (iii) review of the terms and conditions for planned construction, and (iv) observations of the Site and surrounding lands. Consequently, while the recommendations and guidelines presented in this report have been prepared in a manner consistent with that level of care and skill normally exercised by other members of the environmental science and engineering profession practicing under similar circumstances in the area at the time of the performance of the work, this report is intended to provide information to inform mitigative strategies to reduce, but not necessarily eliminate, the potential for environmental impacts to occur as a result of planned work activities at the Site. This report is meant to inform guidance on the environmental protection measures that can be implemented during routine Marine Project activities, as well as unanticipated events or requirements that may arise during the course of construction.

This report has been prepared solely for the internal use of the Woodfibre LNG Limited Partnership pursuant to the agreement between Keystone Environmental Ltd. and Woodfibre LNG Limited Partnership. Any use which other parties make of this report, or any reliance on, or decisions made based on it, are the responsibility of such parties. By using the report, Woodfibre LNG Limited Partnership agrees that it will review and use the report in its entirety. Keystone Environmental Ltd. accepts no responsibility for damages, if any, suffered by other parties as a result of decisions made or actions based on this report.

This report was written by Caitlin Belz with input from the Technical Advisory Committee (LGL, PGL, Woodfibre LNG, Squamish Nation). Professionals of Record and Senior reviewer(s) Afshin Parsamanesh, Duncan Clark and Warren Appleton, have demonstrable experience in monitoring project effects on marine and freshwater fish and fish habitat and are familiar with the monitoring protocols carried out at the Site.

Technical content of this report involves areas of practice requiring more than one Professional of Record as follows:

- Duncan Clark is Professional of Record for Sections 2.1, 2.2, 2.4 and 2.5.
- Afshin Parsamanesh is Professional of Record for Section 2.3.

If you have questions regarding the information contained in this report, please contact the undersigned.

April 21, 2026
Date

Keystone Environmental Ltd.

Prepared by Caitlin

Caitlin Belz B.Sc., B.Tech., R.P.Bio.
Biologist

Prepared by Afshin

Afshin Parsamanesh M.Sc., R.P.Bio.
Senior Project Manager / Fisheries Biologist

Reviewed by Duncan

Duncan Clark B.Sc., R.P.Bio.
Senior Project Manager/ Team Leader

5. REFERENCES

Ames, J., & Phinney, D. E. 1977. Puget Sound summer-fall Chinook methodology: escapement goals, run size forecasts, and in-season run size updates. Washington Department of Fisheries Technical Report, 29.

DFO. 2023a. European Green Crab- Carcinus means. Fisheries and Oceans Canada. Available at: https://www.dfo-mpo.gc.ca/species-especes/profiles-profils/europeangreencrab-crabevert-eng.html (Accessed on February 5, 2025)

DFO. 2026. Aquatic Invasive Species Survey Map (Date modified: 2026-02-20). Fisheries and Oceans Canada. Available at: https://www.dfo-mpo.gc.ca/species-especes/ais-eae/identify-identifier/survey-map-carte-recensement/index-eng.html (Accessed on March 10, 2026).

Howe Sound Marine Stewardship Initiative (MSI). 2023. Slhawt'/Herring Survey Report Átl'ka7tsem/Howe Soun- Winter & Spring 2023. Available at: https://howesoundguide.ca/wp-content/uploads/2023/10/Atlka7tsem_Howe-Sound-Slhawt_Herring-Survey-Report-%E2%80%93-Winter-Spring-2023.pdf

Howe Sound Marine Stewardship Initiative (MSI). 2025a. Átl'ka7tsem / Howe Sound Slhawt' / Herring Spawn Survey Report Winter & Spring 2025. Available at: https://howesoundguide.ca/wp-content/uploads/2025/12/2025-Searching-for-Slhawt-_-Herring-Spawn-Survey-Full-Report.pdf (Accessed on January 21, 2026)

Howe Sound Marine Stewardship Initiative (MSI). 2025b. Marine Reference Guide. Available at: https://howesoundguide.ca/marine-reference-guide/ (Accessed on January 21, 2026).

Keystone Environmental Ltd. 2023. Aquatics Effects Assessment for Construction Works. Woodfibre LNG Project, Squamish, BC. Prepared for Woodfibre LNG, June 19 2023.

Keystone Environmental Ltd. 2024a. Marine Fish and Fish Habitat Environmental Effects Monitoring Plan Revision 3. Prepared for Woodfibre LNG, July 17, 2024.

Keystone Environmental Ltd. 2024b. Marine Fish and Fish Habitat Pre-Construction Baseline Report Revision 3. Prepared for Woodfibre LNG, July 17, 2024.

Keystone Environmental Ltd. 2024c. Detailed Habitat Offsetting Effectiveness Monitoring Plan Revision 2. Prepared for Woodfibre LNG, July 4, 2024.

Keystone Environmental Ltd. 2025a. 2024 Marine Fish and Fish Habitat Environmental Effects Annual Monitoring Report. Prepared for Woodfibre LNG, March 2025.

Keystone Environmental Ltd. 2025b. Memorandum - Floatel#2 Mooring System Glass Sponge Mitigation Plan. Prepared for Woodfibre LNG Limited, September 2025.

Keystone Environmental Ltd. 2025c. Aquatics Effects Assessment – Second Floatel Work Accommodation (Floatel #2). Prepared for Woodfibre LNG, September 2025.

Keystone Environmental Ltd. 2026. Supplemental Aquatic Effects Assessment – FST Pile Installation and Removal Outside of Marine Least Risk Window. Prepared for Woodfibre LNG, January 2026.

Knight Piésold Ltd. (Knight Piésold). 2022. Mill Creek Instream Flow Requirement Construction Study. Prepared for Woodfibre LNG Limited. 2022.

Lenth, R. V. 2024. *Emmeans: estimated marginal means, aka least-squares means*. https://CRAN.R-project.org/package=emmeans.

Piepho, H. P. 2004. An Algorithm for a Letter-Based Representation of All-Pairwise Comparisons. Journal of Computational and Graphical Statistics, 13(2), 456–466. https://doi.org/10.1198/1061860043515

Wentworth, C.K. 1922. A scale of grade and class terms for clastic sediments. The Journal of Geology, Vol 30(5): 377-392.

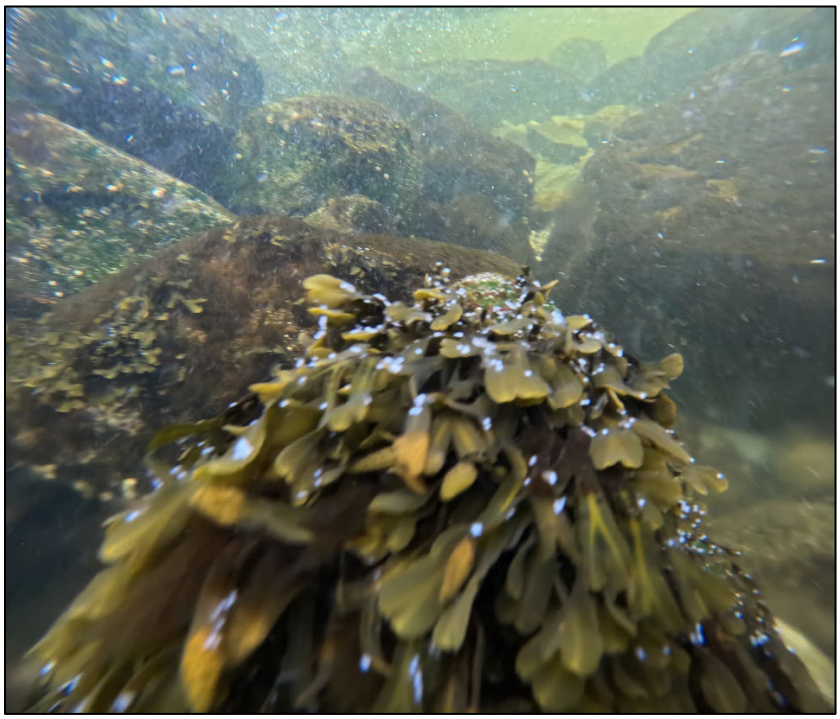
Wood, S.N. 2011. Fast stable restricted maximum likelihood and marginal likelihood estimation of semiparametric generalized linear models. Journal of the Royal Statistical Society (B) 73(1):3-36.

Wood, S.N. (2017) Generalized Additive Models: An Introduction with R (2nd edition). Chapman and Hall/CRC.

Sea to Sky Invasive Species Council. 2025. *Crab Team: European Green Crab Monitoring in Howe Sound.* SSISC. Available at: https://ssisc.ca/crabteam (Accessed on March 10, 2026).

APPENDIX A

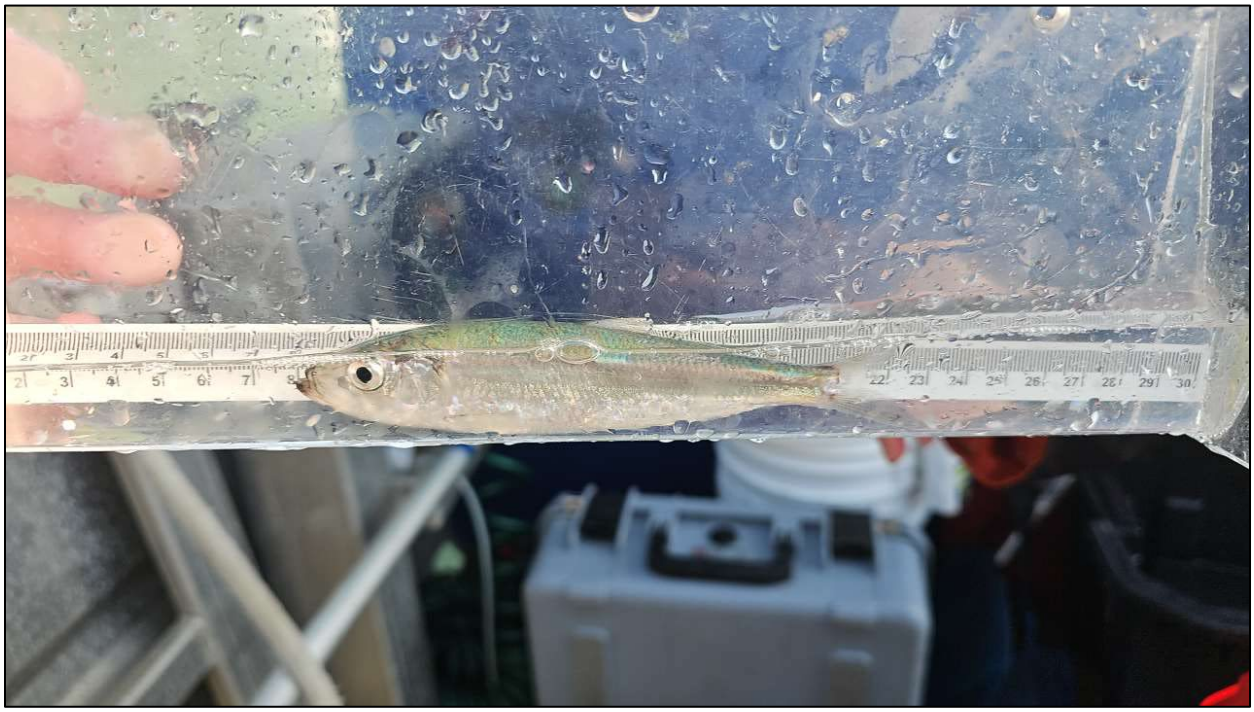
SITE PHOTOGRAPHS



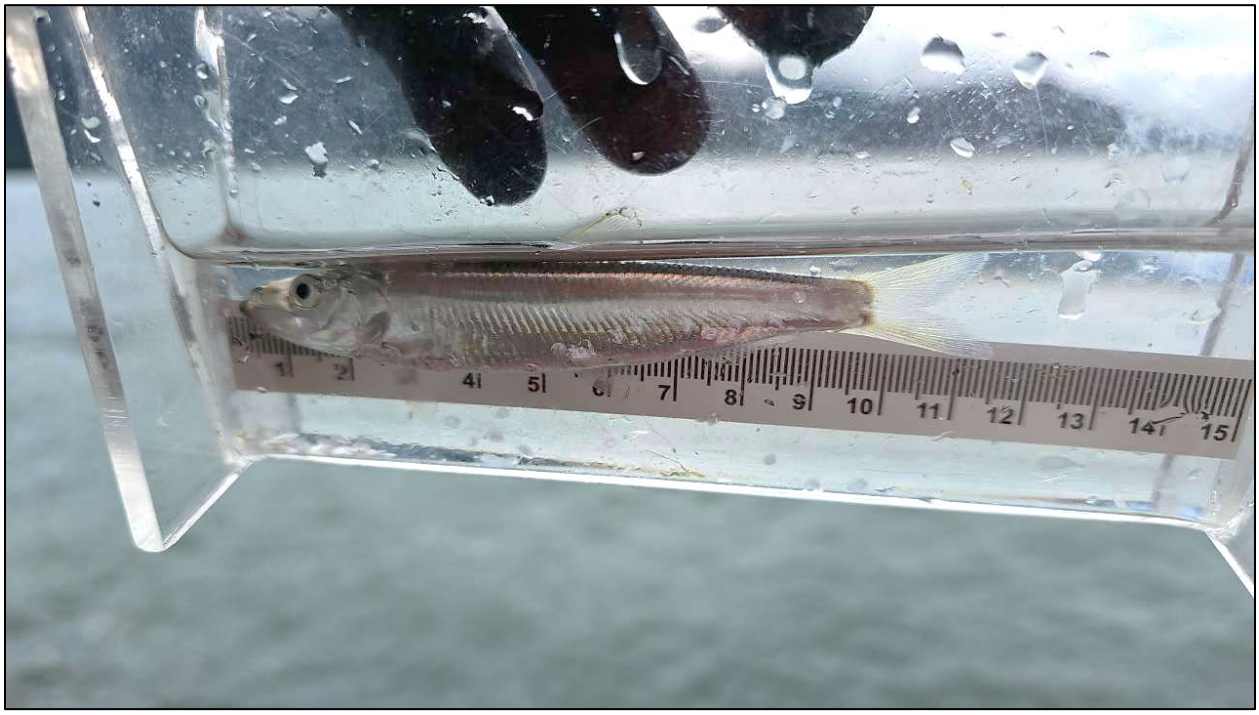
Photograph A1: Herring egg masses observed in the shallow subtidal zone on rockweed at Reference Site 1 (April 10, 2025).

Photograph A2: Herring egg masses observed on fucus with boulder and bedrock substrate around the mouth of Foulger Creek at Reference Site 1 (April 10, 2025).

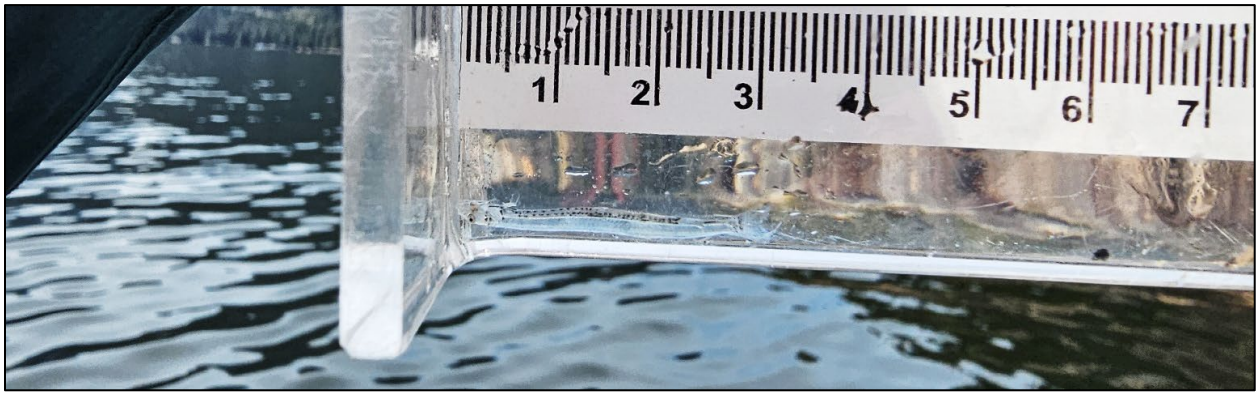
Photograph A3: Example of lingcod (*Ophiodon elongatus*) egg masses observed within the CPA on February 27, 2025. Observations were made incidentally during Herring Dive Surveys. Spawn locations were located along the northeast corner of the CPA.



Photograph A4: Adult Pacific herring (*Clupea pallasii*) captured within the PPIA during purse seine at PS-1 (June 24, 2025).

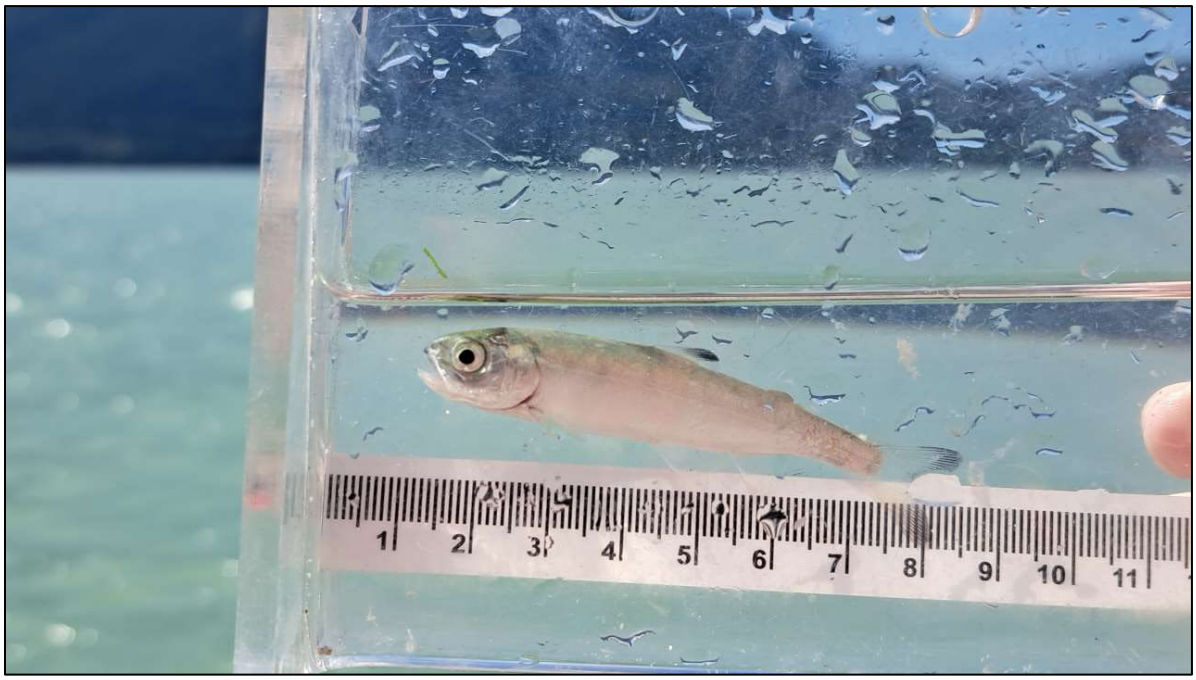


Photograph A5: Juvenile Pacific herring captured during beach seine at reference site BS-AR (July 9, 2025).

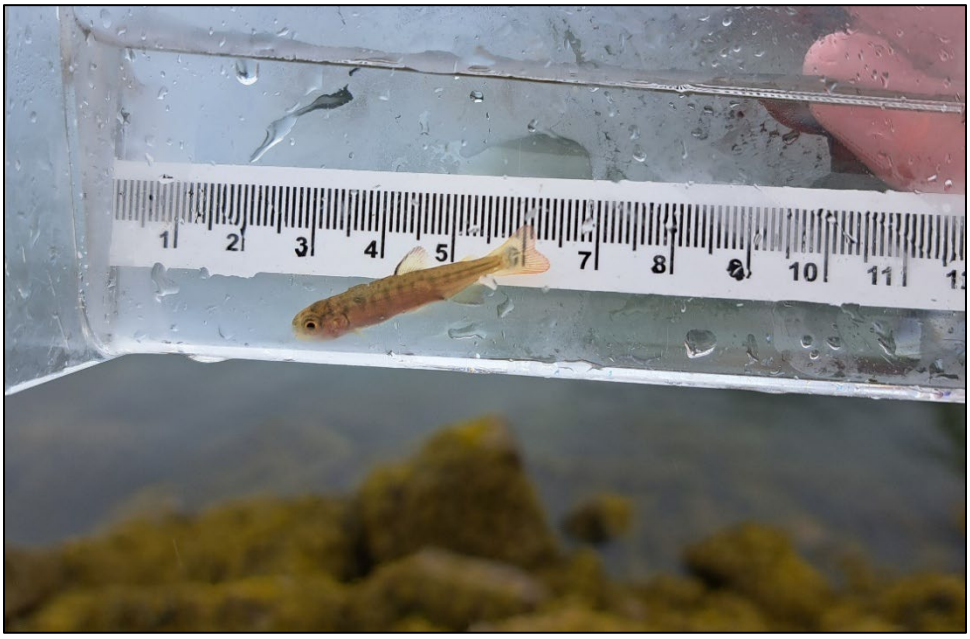


Photograph A6: Pacific Herring Larvae captured during beach seine at BS-SR (April 17, 2025).

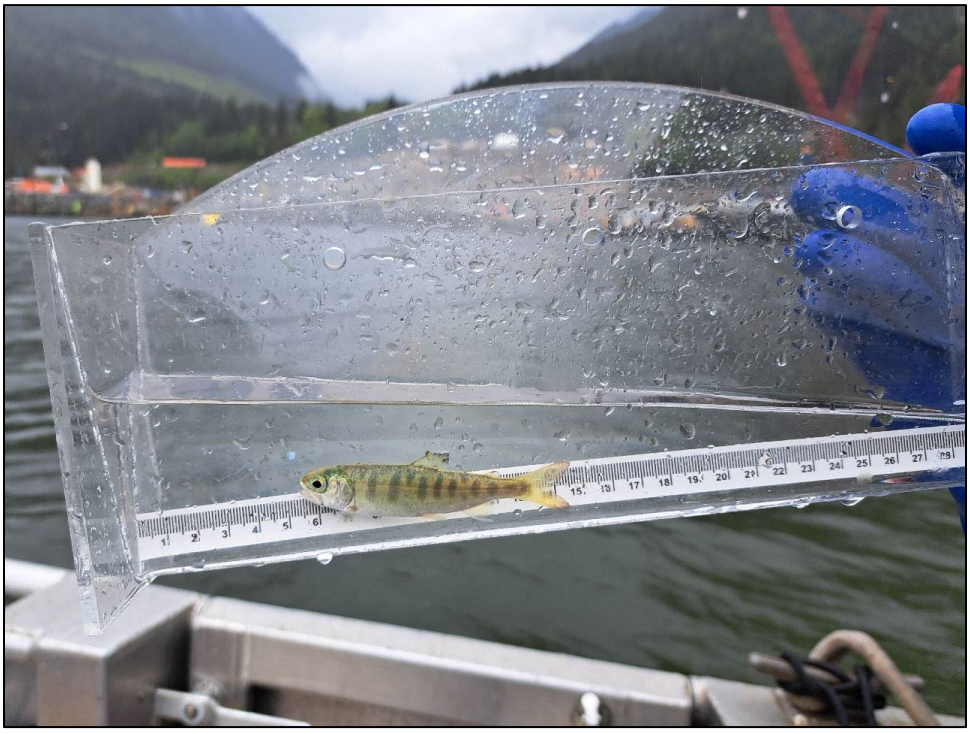
Photograph A7: Chum salmon (*Oncorhynchus keta*) fry captured within the PPIA during beach seine at BS-1 (April 30, 2025).



Photograph A8: Chum salmon (*Oncorhynchus keta*) smolt captured during purse seine at PS-AR (July 7, 2025).

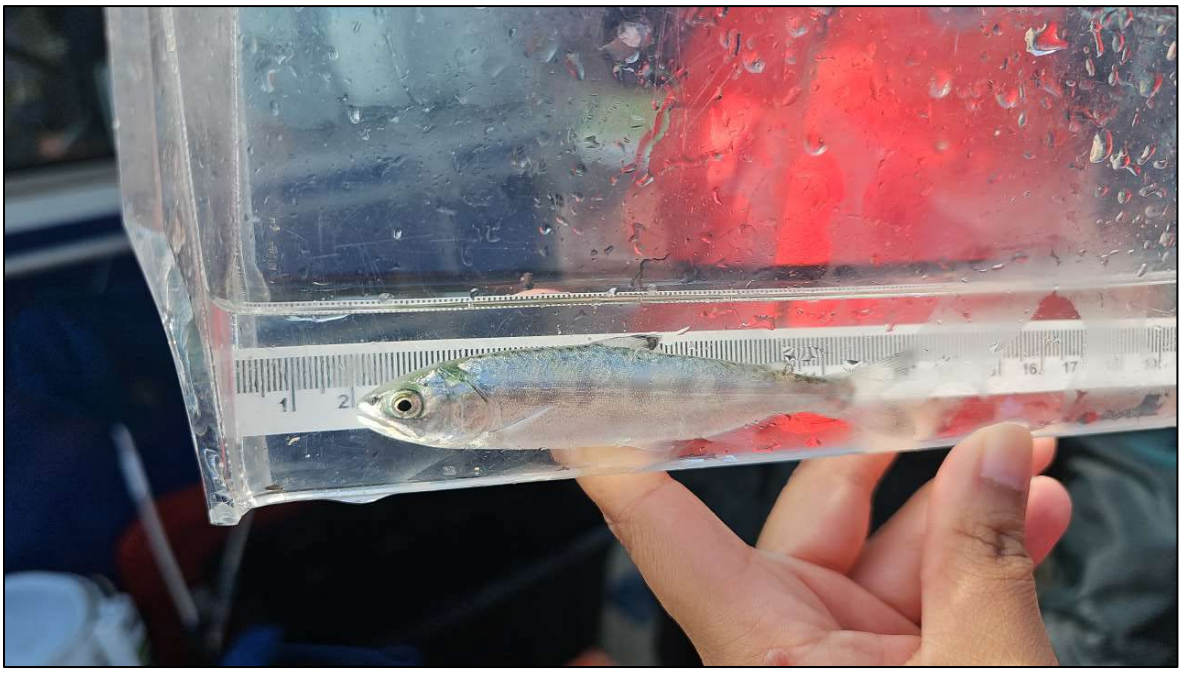


Photograph A9: Coho salmon (*Oncorhynchus kisutch*) fry captured within the PPIA during beach seine at BS-1 (May 29, 2025).



Photograph A10: Coho salmon (*Oncorhynchus kisutch*) parr captured within the PPIA during purse seine at PS-1 (April 28, 2025).

Photograph A11: Chinook salmon (*Oncorhynchus tshawytscha*) fry captured within the PPIA during beach seine at BS-5(April 16, 2025).

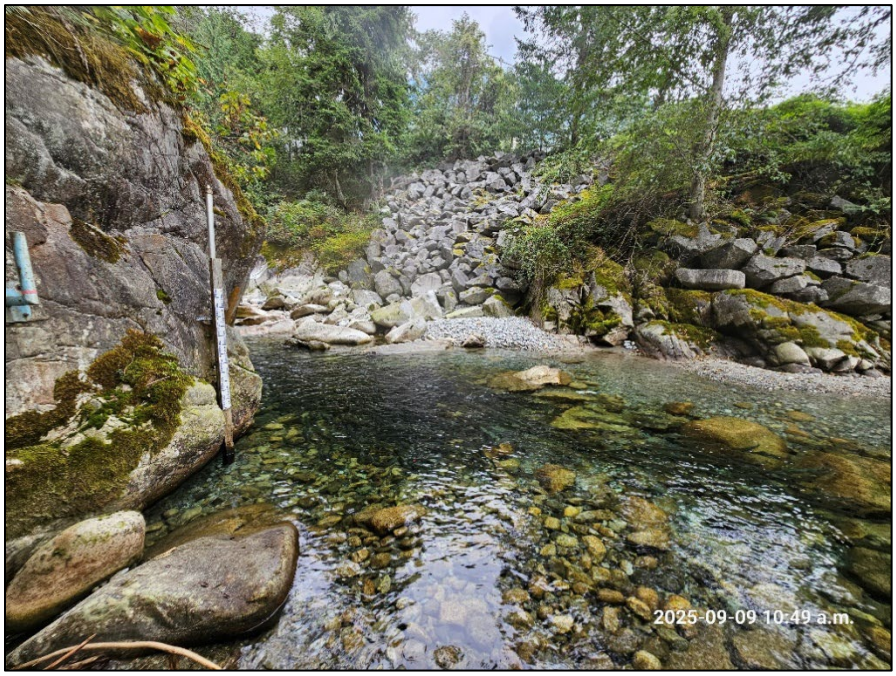


Photograph A12: Chinook salmon (*Oncorhynchus tshawytscha*) smolt captured during purse seine within the PPIA at PS-1 (June 24, 2025)

Photograph A13: Shiner perch ((*Cymatogaster aggregata*) captured within the CPA during beach seine at BS-4 (July 10, 2025)

Photograph A14: Juvenile striped perch *(Cymatogaster aggregata*) captured within the CPA during beach seine at BS-5 (July 10, 2025)

Photograph A15: Pink Salmon Spawners observed in Mill Creek during Spawner Count Surveys in Segment 6



Photograph A16: Pink Salmon Spawners observed in Mill Creek during Spawner Count Surveys in Segment 5

Photograph A17: Black Bear observed in Segment 4 of Mill Creek during Spawner Count Surveys. Blackbears were common during the peak of pink salmon spawning and often inhibited ability to assess visual assessments in all segments

Photograph A18: View from Segment 3 looking downstream towards Segment 1 and 2 of Mill Creek during Spawner Count Surveys. Segment 1 and 2 could not be assessed on September 12 as highly turbid water prevented accurate visual counts

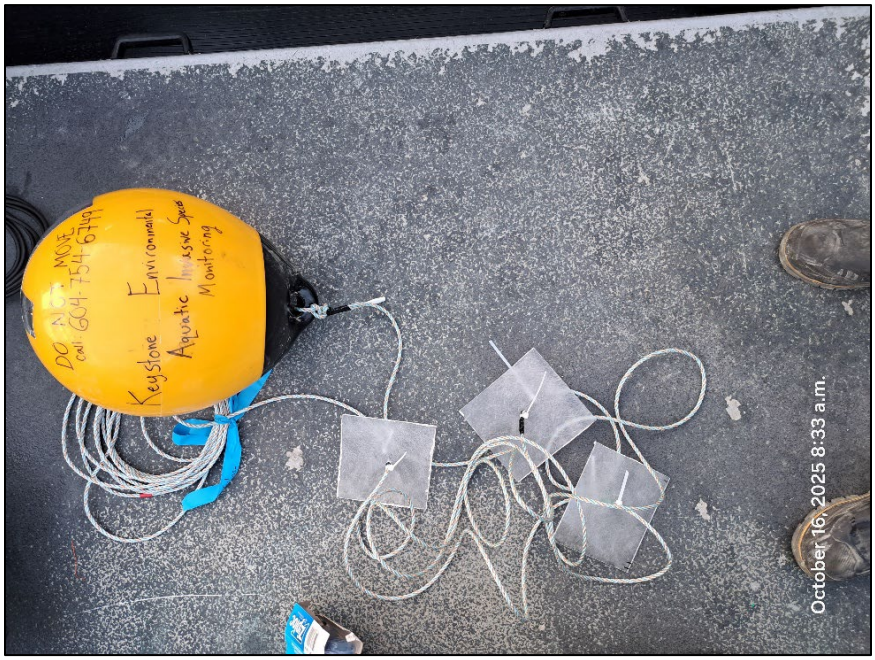
Photograph A19: Box trap component of Fyke net, consisting of an aluminum frame and wooden baffles.

Photograph A20: Fyke net with box trap installed off of the Pedestrian Bridge for Juvenile Outmigration Surveys

Photograph A21: Looking upstream at the Electrofishing Assessment Area within Mill Creek, towards the downstream stop net (August 8, 2025)

Photograph A22: Juvenile Dolly Varden (*Salvelinus malma*) captured in Mill Creek minnow trapping at MCMT-8 (June 19, 2025).

Photograph A23: Rainbow Trout (Oncorhynchus mykiss) captured in Mill Creek during minnow trapping at MCMT12



Photograph A24: Aquatic Invasive Species Collector Plate Array. Each array included a marker buoy attached to lead-core sinking rope line. Sanded PVC plates were threaded on the line and secured at desired depths with zip ties. Each array was weighted at the bottom with a concrete cinder block.

Photograph A25: AIS Collector Plate Array deployed at AIS-3 (near MOF) was entangled with MOF dolphin infrastructure and required retrieval by divers.

Photograph A26: Aquatic Invasive Species Collector Plates deployed October 4, 2024 and collected April 15, 2025, at AIS-2 (in proximity to the Floatel). The top plate (left) was deployed 1 m below the water surface, the middle plate (middle) was deployed 2 m below the water surface, and the bottom plate (right) was deployed 3 m below the water surface.

Photograph A27: Aquatic Invasive Species Collector Plates deployed October 4 2024, and collected April 16, 2025, at AIS-NR (in proximity to the floatel). The top plate (left) was deployed 1 m below the water surface, the middle plate (middle) was deployed 5 m below the water surface, and the bottom plate (right) was deployed 6 m below the water surface.

APPENDIX B

KPI1 TASKS

Table 1a: Raw Data for herring spawn distribution surveys

Date	Dive Number	Location	Dive Start Time	Dive End Time	Dive Start Coordinates	Dive End Coordinates	Area Surveyed	Weather (sea state, Beaufort scale)	Direction of Tide	Visibility (m) Surface	Visibility (m) at Depth	Water temperature (C)	Spawn Observed	Notes
2025-02-11	1	Reference 2	10:40	11:20	(49.681456, -123.204434)	(49.678481, -123.210653)	North Reference Site	1	Ebb	8	8	6	FALSE	North end, swim south towards WLNG. 10:40am start. 10:45 sea lion grabbed Mitch's fin and pulled him off a crack. Brief surface interval. Found lingcod egg mass approx 1/4 along 12' deep 5c 14" across. New eggmass. See Avenza for location. Flat rock has no algae. Narrow band of Rock weed on boulders. Many sea urchins (green). No kelp. Made it approx. 1/3 of the way.
2025-02-11	2	Reference 2	12:03	12:22	(49.678481, -123.210653)	(49.677848, -123.213679)	North Reference Site	1	Ebb	8	8	6	FALSE	Continue south from end of D1 Tide 3.4m 12:22 Flooding. Current too strong, dropped divers off at south end to swim with the current. See next line row.
2025-02-11	2	Reference 2	12:29	12:58	(49.67428, -123.22417)	(49.67722, -123.218361)	North Reference Site	1	Ebb	8	8	6	FALSE	12:29 ebbing finished 350m south of high current. Mitch saw a "huge kelp bed" approx 150m longjust south of the Tantalus Landing Park look at Avenza Point.
2025-02-11	3	Reference 2			(49.67722, -123.218361)	(49.677848, -123.213679)	North Reference Site	1	Ebb	8	8	6	FALSE	Continue north from end D2. Finished where D2 paused due to high current. Entire ref shoreline was checked.
2025-02-12	1	Reference 1	10:09	10:49	(49.652095, -123.25946)	(49.647137, -123.260473)	South Reference Site	1	Ebb	8	8	5	FALSE	North end of Ref 2 swim south.10:34 mitch observed lingcod egg mass @23' depth. Size of cantaloupe newly laid eggs 6c see avenza point. Again at 10:38, 10:41, 10:49. Can easily see down to 40'. Finished just north of Foulger Creek.
2025-02-12	2	Reference 1	11:32	12:23	(49.647137, -123.260473)	(49.638226, -123.25929)	South Reference Site	1	Flood	8	8	6	FALSE	Ref 2 (South) 3.4m tide start where D1 ended 12:23 JP up switch tank 12:28 JP down. MH waited on surface. Lingocd egg mass observed- see avenza at 11:53, 12:00, 12:10, 12:15, 12:43, 12:47. Finished south reference. Total of 10 lingcod egg masses observed for day.
2025-02-13	1	CPA	10:10	11:19	(49.668789, -123.244568)	(49.664431, -123.254644)	Area 9 through 4.	1	Ebb	6	6	7	FALSE	Lingcod egg mass just north of FST barges see Avenza. Two area of shoreline not accessible and blocked by silt curtain (FST area) (Gravel Barge). Dove along the outside face of the MOF piles only. But inspected entire shoreline otherwise.
2025-02-13	2	CPA	12:12	13:03	(49.664431, -123.254644)	(49.657972, -123.258468)	Area 3 through southend of CPA	1	Flood	3	5	6	FALSE	All area accessible, no barges or silt curtain most of RoRo dock piles have been removed.
2025-02-13	3	CPA	13:10	13:40	(49.66141, -123.258878)	(49.661365, -123.259596)	Mouth of Woodfibre Creek through 50 m upstream		Flood				FALSE	
2025-02-25	1	Reference 2	10:20	11:10	(49.681456, -123.204434)	(49.677774, -123.212513)	North Reference Site	1	Flood	1	3	6	FALSE	North end of North Reference site going south Tide 3.5m. 10:45 lingcod egg mass see DC Avenza. Flood tide at the end of dive current moving north so Dive 2 will start at south end of reference so div3ers can swim with the tide.

Date	Dive Number	Location	Dive Start Time	Dive End Time	Dive Start Coordinates	Dive End Coordinates	Area Surveyed	Weather (sea state, Beaufort scale)	Direction of Tide	Visibility (m) Surface	Visibility (m) at Depth	Water temperature (C)	Spawn Observed	Notes
2025-02-25	2	Reference 2	11:48	12:44	(49.677774, -123.212513)	(49.674169, -123.224592)	North Reference Site	1	Flood	1	3	6	FALSE	South end of North Reference moving north. Tide 3.6m. Finished at end of Dive 1. A few harbour seals and bald eagles in the area. Drainages flowing into ocean.
2025-02-26	1	Reference 1	9:40	10:52	(49.652095, -123.25946)	(49.647137, -123.260473)	South Reference Site. North End to Centre.	0	Ebb	3	3	7	FALSE	South reference site travelling south with the tide from north end. DC new tank at 10:15 back under 10:21.
2025-02-26	2	Reference 1	11:37	12:10	(49.647137, -123.260473)	(49.638226, -123.25929)	South Reference Site. South End to Centre.	0	Flood	3	3	7	FALSE	South end of North Reference moving north. Tide 3.6m. Lingcod egg mass 7.5m depth 7c softball sized and old observed at 11:42. Lingcod egg mass 7.5m depth 7c volleyball sized and eyed. Observed at 11:48
2025-02-27	1	CPA	10:02	11:10	(49.668789, -123.244568)	(49.664431, -123.254644)	Area 9 through 4. Could not access north end of Area 9. Could not access Area 7.	1	Flood	2	3	6	FALSE	Start at the North end of the CPA (marine area 9), swimming south. Could not see MOF piles because of floats with workers on them. Inspected walkways. 10:04,10:18,10:32-Lingcod eggmasses see DC Avenza. Could not access area blocked by barge at the North end of Marine area 9. Could not access all of Marine area 7 due to tug and gravel barge and active unloading. All other areas accessed.
2025-02-27	2	CPA	11:57	12:49	(49.664431, -123.254644)	(49.657972, -123.258468)	Area 3 through southend of CPA	0	Ebb	2	3	6	FALSE	South end of North Reference moving north. No restrictions on access to survey areas. Finished CPA on second dive. No floatell hull check due to permission issue with bridge, scotts says not necessary unless spawn is observed.
2025-03-11	1	Reference 2	10:00	11:05	(49.681456, -123.204434)	(49.677774, -123.212513)	North Reference Site. North End to Centre.	0	Ebb	0.7	0.7	6	FALSE	Lingcod eggmass 3.4m depth, softball sized, new; Lincod eggmass, 3.9 m depth, softball sized, new
2025-03-11	2	Reference 2	11:44	12:29	(49.67722, -123.218361)	(49.677848, -123.213679)	North Reference. South End to Centre.	0	Flood	0.7	0.7	6	FALSE	No egg masses
2025-03-12	1	Reference 1	9:44	10:50	(49.652095, -123.25946)	(49.647137, -123.260473)	South Reference Site. North End to Centre.	1	Ebb	1	2	5	FALSE	Lingcod eggmass 2.2 m depth, watermelon sized, old; Lincod eggmass, 2.4 m depth, cantaloupe sized, old
2025-03-12	2	Reference 1	11:30	12:10	(49.647137, -123.260473)	(49.638226, -123.25929)	South Reference Site. South End to Centre.	1	Ebb	1	2	5	FALSE	Lingcod eggmass 7.8 m cantaloupe sized 5 degrees C
2025-03-13	1	CPA	10:21	11:33	(49.668789, -123.244568)	(49.664431, -123.254644)	Area 9 through 4. Not able to dive north barge ramp.	1	Ebb	2	2	6	FALSE	Silt curtain in place from Area 9 to bottom of landfill access road. Divers inspect curtain surface but do not go inside. Barge being unloaded at N barge ramp, so no survey in that area. Silt curtains, barges floats southwest of N barge ramp to MOF; inspected outside. edge
2025-03-13	2	CPA	13:11	15:08	(49.664431, -123.254644)	(49.657972, -123.258468)	Area 3 through southend of CPA		Ebb				FALSE	missing parameters not collected for this dive.
2025-03-25	1	Reference 2	10:11	10:53	(49.681456, -123.204434)	(49.677774, -123.212513)	North Reference Site. North End to Centre.	0	Ebb	3	3	7	FALSE	no egg masses observed

Date	Dive Number	Location	Dive Start Time	Dive End Time	Dive Start Coordinates	Dive End Coordinates	Area Surveyed	Weather (sea state, Beaufort scale)	Direction of Tide	Visibility (m) Surface	Visibility (m) at Depth	Water temperature (C)	Spawn Observed	Notes
2025-03-25	2	Reference 2	11:28	12:25	(49.67722, -123.218361)	(49.677848, -123.213679)	North Reference. South End to Centre.	1	Flood	3	3	7	FALSE	no egg masses observed
2025-03-26	1	Reference 1	9:40	10:55	(49.638226, -123.25929)	(49.647137, -123.260473)	South Reference Site. South End to Centre.	2	Ebb	1.5	10	7	TRUE	Herring spawn at start of dive at south reference boundary; continuous patch from 0.1 m above to about 1 m below waterline, on rockweed (15% coverage) and bedrock (15-25% coverage). Rockweed coverage about 75% of bedrock on that short section. Start and end points on JP avenza.
2025-03-26	2	Reference 1	11:32	12:05	(49.647137, -123.260473)	(49.652095, -123.25946)	South Reference Site. Centre to North End.	2	Ebb	1.5	10	7	FALSE	
2025-03-27	1	CPA	10:12	11:05	(49.668789, -123.244568)	(49.664431, -123.254644)	Area 9 through 4.	1	Ebb	1	10	7	FALSE	Area 9 to 4301 barge: access blocked in a few locations in Area 9 (see DC avenza) due to barges, silt curtain and running bubble curtain. Most of Area 7 blocked by active unload of gravel barge. Mill Creek not accessible due to flow (pushed diver out); IEM checked above water areas. Water temp 4 deg in Mill Creek.
2025-03-27	2	CPA	11:38	12:38	(49.664431, -123.254644)	(49.657972, -123.258468)	Area 3 through southend of CPA	1	Flood	1	10	7	FALSE	All areas accessible; strong current in Woodfibre Creek limited in-water checks (some photos from JP). DC went to shore to check above water, see his avenza. Water temp 4 deg C in Woodfibre Creek.
2025-04-08	1	Reference 2	9:52	11:08	(49.681456, -123.204434)	(49.677774, -123.212513)	North Reference Site. North End to Centre.	0	Ebb	1	2	5.5	FALSE	DC switched tanks 10:31-10:37
2025-04-08	2	Reference 2	11:45	12:23	(49.674169, -123.224592)	(49.677774, -123.212513)	North Reference. South End to Centre.	0	Flood	1	3	5.5	FALSE	no spawn or lingcod egg masses.
2025-04-09	1	CPA	9:58	10:49	(49.652095, -123.25946)	(49.647137, -123.260473)	Area 9 through 4.	0	Ebb	1	3	9	FALSE	portion of Area 9 not accessible to divers due to barges, cranes, silt curtains see DC Avenza. -no barges @barge landing, no unloading of gravel barge, but portion of riprap shoreline not accessible due to silt curtain (see DC Avenza). All other areas accessible. No Spawn
2025-04-09	2	CPA	11:27	12:10	(49.647137, -123.260473)	(49.638226, -123.25929)	Area 3 through southend of CPA	0	Ebb	1	3	9	FALSE	All areas accessible, Jeff swam up Woodfibre and Duncan walked creek bank up above. no spawn observed
2025-04-10	1	Reference 1			(49.652095, -123.25946)	(49.647137, -123.260473)	South Reference Site. North End to Centre.		Ebb				TRUE	Herring spawn 49.650960, - 123.259590. Keep getting stronger going south all on the rock and algae. Two transects collected in this section. Cells with missing parameters not collected.
2025-04-10	2	Reference 1			(49.638226, -123.25929)	(49.647137, -123.260473)	South Reference Site. South End to Centre.		Ebb				TRUE	Spawn around Foulger creek. One transect collected in this section. Cells with missing parameters not collected.
2025-04-22	1	Reference 2	10:02	11:16	(49.681456, -123.204434)	(49.677774, -123.212513)	North Reference Site. North End to Centre.	0	Flood	0	0.5	3	FALSE	no herring spawn observed

Date	Dive Number	Location	Dive Start Time	Dive End Time	Dive Start Coordinates	Dive End Coordinates	Area Surveyed	Weather (sea state, Beaufort scale)	Direction of Tide	Visibility (m) Surface	Visibility (m) at Depth	Water temperature (C)	Spawn Observed	Notes
2025-04-22	2	Reference 2	11:52	12:26	(49.674169, -123.224592)	(49.677774, -123.212513)	North Reference. South End to Centre.	1	Flood	1	0.5	3	FALSE	no herring spawn observed
2025-04-23	1	CPA	10:02	11:16	(49.652095, -123.25946)	(49.647137, -123.260473)	Area 9 through 4.	0	Flood	0.5	3	6	FALSE	no herring spawn observed
2025-04-23	2	CPA	11:52	12:26	(49.647137, -123.260473)	(49.638226, -123.25929)	Area 3 through southend of CPA	1	Flood	0.5	3	7	FALSE	no herring spawn observed
2025-04-24	1	Reference 1	9:52	10:59	(49.647137, -123.260473)	(49.652095, -123.25946)	South Reference. Centre to North End.	1	Flood	2	3	10	TRUE	
2025-04-24	1	Reference 1	9:52	10:59	(49.647137, -123.260473)	(49.652095, -123.25946)	South Reference. Centre to North End.	1	Flood	2	3	10	TRUE	Spawn at the mouth of foldger creek all the way to the End point on the Avenza
2025-04-24	2	Reference 1	11:41	12:37	(49.638226, -123.25929)	(49.647137, -123.260473)	South Reference. South End to Centre.	1	Flood	2	3	10	TRUE	Spawn was observed all the way from the End point of the south reference south bound to the end point before the creek on the Avennza. The deepest spawn point was observed at 20 ft.
2025-05-06	1	Reference 2	9:55	10:50	(49.674169, -123.224592)	(49.677774, -123.212513)	North Reference. South End to Centre.	0	Flood	3	3	9	FALSE	Herring Larvae were observed throughout the whole dive
2025-05-06	2	Reference 2	11:21	12:16	(49.677774, -123.212513)	(49.681456, -123.204434)	North Reference. Centre to North End.	0	Flood	1	5	11	FALSE	
2025-05-07	1	Reference 1	9:44	10:56	(49.638226, -123.25929)	(49.647137, -123.260473)	South Reference. South End to Centre.	0	Flood	1	6	9	FALSE	Jeff saw some clear eggs mixed in with old and hatched egg. They were non viable and were previously mapped. Mitch saw cloud sponges @ 40 feet and an octopus fighting a lingcod. No new spawn. Start @ south end of South Reference swim north. 2.4m tide moved down to Folger creek and swam south because of strong current
2025-05-07	2	Reference 1	11:34	12:05	(49.647137, -123.260473)	(49.652095, -123.25946)	South Reference. Centre to North End.	0	Flood	2	6		FALSE	
2025-05-08	1	CPA	10:05	10:37	(49.668789, -123.244568)	(49.664431, -123.254644)	Area 9 through 4.	1	Flood	1	6	12	FALSE	short section @ north end surveyed then back in @ MDF to L4301 barge had to walk up mill creek due to tide no spawn. 2m tide start @ north end of CPA for short distance then most of the shoreline north of mill creek blocked by barges being unloaded, floating barges too close together or too close to shore and overhead crane lifts.
2025-05-08	2	CPA	11:16	12:14	(49.664431, -123.254644)	(49.657972, -123.258468)	Area 3 through southend of CPA	2	Flood	1	6	12	FALSE	Start where dive 1 ended L4301 barge swim south behind the floatel 2m. Swam south to Woodfibre creek then went to south end of survey area and swam back towards Woodfibre creek. All areas accessible. No Spawn
2025-05-20	1	Reference 1	9:48	10:29	(49.638226, -123.25929)	(49.647137, -123.260473)	South Reference. South End to Centre.	0	Flood	1	4	10	FALSE	no herring spawn observed

Date	Dive Number	Location	Dive Start Time	Dive End Time	Dive Start Coordinates	Dive End Coordinates	Area Surveyed	Weather (sea state, Beaufort scale)	Direction of Tide	Visibility (m) Surface	Visibility (m) at Depth	Water temperature (C)	Spawn Observed	Notes
2025-05-20	2	Reference 1	11:05	11:43	(49.652095, -123.25946)	(49.647137, -123.260473)	South Reference. North End to Centre.	2	Ebb	1	4	10	FALSE	no herring spawn observed
2025-05-21	1	Reference 2	9:30	10:16	(49.674169, -123.224592)	(49.677774, -123.212513)	North Reference. South End to Centre.	0	Flood	1	4	9	FALSE	no herring spawn observed
2025-05-21	2	Reference 2	10:50	11:35	(49.677774, -123.212513)	(49.681456, -123.204434)	North Reference. Centre to North End.	1	Flood	1	4	12	FALSE	no herring spawn observed
2025-05-22	1	CPA	10:00	10:48	(49.668789, -123.244568)	(49.664431, -123.254644)	Area 9 through 4.	0	Flood	1	10	12	FALSE	no herring spawn observed. Multiple areas of shoreline near FSTs not accessible due to cranes drilling piles, barges and silt curtains too close to shore. See Duncan Avenza for details. Also gravel barge/silt curtain combo and a lot of sil curtains around MOF.
2025-05-22	2	CPA	11:24	12:10	(49.664431, -123.254644)	(49.657972, -123.258468)	Area 3 through southend of CPA	0	Flood	1	10	12	FALSE	L4301 barge south to end of CPA and Woodfibre Creek. All areas accessible. no herring spawn observed
2025-06-03	1	Reference 2	9:56	10:45	(49.674169, -123.224592)	(49.677774, -123.212513)	North Reference. South End to Centre.	0	Flood	0	1	10	FALSE	no herring spawn observed. Minimal visibility - opens up to <1m below 5 feet.
2025-06-03	2	Reference 2	11:07	12:18	(49.677774, -123.212513)	(49.681456, -123.204434)	North Reference. Centre to North End.	0	Flood	0	1	9	FALSE	no herring spawn observed
2025-06-04	1	Reference 1	9:50	11:07	(49.638226, -123.25929)	(49.647137, -123.260473)	South Reference. South End to Centre.	0	Flood	1	6	11	FALSE	no herring spawn observed
2025-06-04	2	Reference 1	11:45	12:15	(49.647137, -123.260473)	(49.652095, -123.25946)	South Reference. Centre to North End.	1	Flood	1	6	11	FALSE	no herring spawn observed
2025-06-05	1	CPA	10:12	10:54	(49.668789, -123.244568)	(49.664431, -123.254644)	Area 9 through 4.	0	Flood	0	1	10	FALSE	Only able to do north end of the cpa no safe access between first barge and mod so area not surveyed. Barges too close to shore, no open gaps to survey.
2025-06-05	2	CPA	11:33	12:40	(49.664431, -123.254644)	(49.657972, -123.258468)	Area 3 through southend of CPA	0	Flood	0	1	10	FALSE	All areas accessible but very poor visibility. Rockweed is out of the water so easy to check. no herring spawn observed
2025-06-17	1	Reference 2	10:02	10:45	(49.681456, -123.204434)	(49.677774, -123.212513)	North Reference Site. North End to Centre.	1	Ebb	5	5	12	FALSE	no herring spawn observed
2025-06-17	2	Reference 2	11:20	11:58	(49.677774, -123.212513)	(49.674169, -123.224592)	North Reference Site. Centre to South End.	1	Ebb	5	5	12	FALSE	no herring spawn observed
2025-06-18	1	CPA	10:00	10:50	(49.668789, -123.244568)	(49.664431, -123.254644)	Area 9 through 4.	0	Flood	0	3	13	FALSE	3 areas not accessible: 1) north end barge close to shore - active crane lift, 2)gravel barge, see DC avenza. no herring spawn observed
2025-06-18	2	CPA	11:30	12:21	(49.664431, -123.254644)	(49.657972, -123.258468)	Area 3 through southend of CPA	3	Ebb	0	3	13	FALSE	no herring spawn observed
2025-06-19	1	Reference 1	9:54	10:25	(49.638226, -123.25929)	(49.647137, -123.260473)	South Reference. South End to Centre.	0	Flood	5	5	13	FALSE	no herring spawn observed

Date	Dive Number	Location	Dive Start Time	Dive End Time	Dive Start Coordinates	Dive End Coordinates	Area Surveyed	Weather (sea state, Beaufort scale)	Direction of Tide	Visibility (m) Surface	Visibility (m) at Depth	Water temperature (C)	Spawn Observed	Notes
2025-06-19	2	Reference 1	10:47	11:18	(49.652095, -123.25946)	(49.647137, -123.260473)	South Reference. North End to Centre.	1	Flood	5	5	13	FALSE	no herring spawn observed
2025-07-02	1	CPA	9:50	10:39	(49.668789, -123.244568)	(49.664431, -123.254644)	Area 9 through 4.	1	Flood	1	6	19	FALSE	North end put in @ barge swam north. Picked divers up, back in south of barges ?cranes, barges, tugs too close to shore for divers to swim safely, see Avenza DC, no gravel barge, lots of kelp observed to -3 CD m deep
2025-07-02	2	CPA	11:22	12:18	(49.664431, -123.254644)	(49.657972, -123.258468)	Area 3 through southend of CPA	1	Ebb	1	6	19	FALSE	Also assessed Woodfibre creek. RORO to barge ramp not accessible due to multiple barges present.
2025-07-03	1	Reference 2	9:35	10:50	(49.674169, -123.224592)	(49.677774, -123.212513)	North Reference. South End to Centre.	1	Flood	0	2	9	FALSE	Minimal viz under below 5m, much worse than CPA
2025-07-03	2	Reference 2	11:16	12:00	(49.677774, -123.212513)	(49.681456, -123.204434)	North Reference. Centre to North End.	1	Flood	1	5	11	FALSE	South DC back at 11:45- 30 bar MH 240 bar
2025-07-04	1	Reference 1	9:53	11:07	(49.638226, -123.25929)	(49.647137, -123.260473)	South Reference. South End to Centre.	0	Flood	0	3	13	FALSE	No visibility above 3 m.
2025-07-04	2	Reference 1	11:35	12:00	(49.647137, -123.260473)	(49.652095, -123.25946)	South Reference. Centre to North End.	0	Flood	0	3	13	FALSE	No visibility above 3 m.

Table 1b: Raw data table for herring spawn distribution surveys where spawning was observed

Date	Dive Number	Location	Dive Start Time	Dive End Time	Start Coordinate of Observed Spawn along Shoreline	End Coordinate of Observed Spawn along Shoreline	Spawn Horizontal length (m)	Detailed Data Collected? (Yes/No)	Egg layer viability	Predominant Attachment substrate
2025-03-26	1	Reference 1	9:40	10:55	(49.638301, -123.259124)	(49.638470, -123.259048)	20	Yes	Viable	Fucus/Bedrock
2025-04-10	1	Reference 1			(49.650960, -123.259590)	(49.647239, -123.260480)	484	Yes	Viable	Fucus/Boulder
2025-04-10	2	Reference 1			(49.646279, -123.260712)	(49.646538, -123.261074)	49.6	Yes	Viable	Fucus/Boulder
2025-04-24	1	Reference 1	9:52	10:59	(49.646322, -123.261107)	(49.647249, -123.260464)	124	Yes	Viable	Fucus/Bedrock
2025-04-24	1	Reference 1	9:52	10:59	(49.647916, -123.260327)	(49.648123, -123.260628)	50	Yes	Viable	Fucus/Bedrock
2025-04-24	2	Reference 1	11:41	12:37	(49.638247, -123.259253)	(49.644831, -123.260145)	858	Yes	Viable	Fucus/Bedrock

Table 2a: Raw data table for herring transects in which quadrat surveys occurred

Date	Dive Start Coordinates	Dive End Coordinates	Location	Transect #	# of Quadrats Sampled	Weather (sea state, Beaufort scale)	Direction of Tide	Visibility (m) Surface	Visibility (m) at Depth	Water temperature (C)	Comments
03-26-2025	(49.638226, -123.25929)	(49.647137, -123.260473)	Reference 1	1	3	2	Ebb	1.5	10	7	Herring spawn at start of dive at south reference boundary; continuous patch from 0.1 m above to about 1 m below waterline, on rockweed (15% coverage) and bedrock (15-25% coverage). Rockweed coverage about 75% of bedrock on that short section. Start and end points on JP avenza.
03-26-2025	(49.638226, -123.25929)	(49.647137, -123.260473)	Reference 1	2	2	2	Ebb	1.5	10	7	Herring spawn at start of dive at south reference boundary; continuous patch from 0.1 m above to about 1 m below waterline, on rockweed (15% coverage) and bedrock (15-25% coverage). Rockweed coverage about 75% of bedrock on that short section. Start and end points on JP avenza.
04-10-2025	(49.638226, -123.25929)	(49.647137, -123.260473)	Reference 1	1	5		Ebb				Spawn around Foulger creek. One transect collected in this section. Cells with missing parameters not collected.
04-10-2025	(49.652095, -123.25946)	(49.647137, -123.260473)	Reference 1	1	6		Ebb				Herring spawn 49.650960, - 123.259590. Keep getting stronger going south all on the rock and algae. Two transects collected in this section. Cells with missing parameters not collected.
04-10-2025	(49.638226, -123.25929)	(49.647137, -123.260473)	Reference 1	2	3		Ebb				Spawn around Foulger creek. One transect collected in this section. Cells with missing parameters not collected.
04-24-2025	(49.638226, -123.25929)	(49.647137, -123.260473)	Reference 1	1	3	0	Flood	2	3	10	Spawn was observed all the way from the End point of the south reference south bound to the end point before the creek on the Avennza. The deepest spawn point was observed at 20 ft.
04-24-2025	(49.647137, -123.260473)	(49.652095, -123.25946)	Reference 1	1	5	0	Flood	2	3	10	Spawn at the mouth of foldger creek all the way to the End point on the Avenza
04-24-2025	(49.647137, -123.260473)	(49.652095, -123.25946)	Reference 1	1	5	0	Flood	2	3	10	
04-24-2025	(49.647137, -123.260473)	(49.652095, -123.25946)	Reference 1	2	6	0	Flood	2	3	10	

Table 2b: Raw data table for herring transects in which quadrat surveys occurred

Date	Time	Location	Transect #	Quadrat #	Distance on Transect (m)	Depth (m)	Elevation (m CD)	Attachment Substrate	Percent coverage of substrate type in quadrat	Percent coverage of macroalgae in quadrat Rockweed	Percent coverage of macroalgae in quadrat Ulva intestinalis	Percent coverage of macroalgae in quadrat diatoms	Overall Percent coverage (%)	Percent coverage on substrate (%)	Percent coverage on macroalgae (%)	Number of Spawn Lawyers	Comments
03-26-2025	12:26:00	Reference 1	1	Q1	0	0	3.3	Fucus/Bedrock	Bedrock 100%	75	0	0	30	15	15	1	Herring spawn at start of dive at south reference boundary; continuous patch from 0.1 m above to about 1 m below waterline, on rockweed (15% coverage) and bedrock (15-25% coverage). Rockweed coverage about 75% of bedrock on that short section. Start and end points on JP avenza.
03-26-2025	12:29:00	Reference 1	1	Q2	0.5	0.5	2.8	Fucus/Bedrock	Bedrock 100%	100	0	0	50	25	25	2	Herring spawn at start of dive at south reference boundary; continuous patch from 0.1 m above to about 1 m below waterline, on rockweed (15% coverage) and bedrock (15-25% coverage). Rockweed coverage about 75% of bedrock on that short section. Start and end points on JP avenza.
03-26-2025	12:31:00	Reference 1	1	Q3	1	0	0	Fucus/Bedrock	Bedrock 100%	60	0	0	20	10	10	1	Herring spawn at start of dive at south reference boundary; continuous patch from 0.1 m above to about 1 m below waterline, on rockweed (15% coverage) and bedrock (15-25% coverage). Rockweed coverage about 75% of bedrock on that short section. Start and end points on JP avenza.
03-26-2025	12:45:00	Reference 1	2	Q1	0	0	3.4	Fucus/Bedrock	Bedrock 100%	60	0	0	20	10	10	1	Herring spawn at start of dive at south reference boundary; continuous patch from 0.1 m above to about 1 m below waterline, on rockweed (15% coverage) and bedrock (15-25% coverage). Rockweed coverage about 75% of bedrock on that short section. Start and end points on JP avenza.
03-26-2025	12:48:00	Reference 1	2	Q2	0.5	0.5	2.9	Fucus/Bedrock	Bedrock 100%	40	0	0	10	5	5	1	Herring spawn at start of dive at south reference boundary; continuous patch from 0.1 m above to about 1 m below waterline, on rockweed (15% coverage) and bedrock (15-25% coverage). Rockweed coverage about 75% of bedrock on that short section. Start and end points on JP avenza.

Date	Time	Location	Transect #	Quadrat #	Distance on Transect (m)	Depth (m)	Elevation (m CD)	Attachment Substrate	Percent coverage of substrate type in quadrat	Percent coverage of macroalgae in quadrat Rockweed	Percent coverage of macroalgae in quadrat Ulva intestinalis	Percent coverage of macroalgae in quadrat diatoms	Overall Percent coverage (%)	Percent coverage on substrate (%)	Percent coverage on macroalgae (%)	Number of Spawn Lawyers	Comments
04-10-2025	13:08:00	Reference 1	1	Q1	0	0		none	Cobble 100%	0	0	0	0	0	0	0	Herring spawn 49.650960, - 123.259590. Keep getting stronger going south all on the rock and algae. Two transects collected in this section. Cells with missing parameters not collected.
04-10-2025	13:10:00	Reference 1	1	Q2	1	0		none	Cobble 100%	10	0	0	0	0	0	0	Herring spawn 49.650960, - 123.259590. Keep getting stronger going south all on the rock and algae. Two transects collected in this section. Cells with missing parameters not collected.
04-10-2025	13:12:00	Reference 1	1	Q3	2	0	2.6	Cobble/Fucus	Cobble 100%	10	0	0	15	5	10	1	Herring spawn 49.650960, - 123.259590. Keep getting stronger going south all on the rock and algae. Two transects collected in this section. Cells with missing parameters not collected.
04-10-2025	13:14:00	Reference 1	1	Q4	4	0.3	2.3	Boulder/Fucus	Boulder 100%	50	0	0	15	10	5	1	Herring spawn 49.650960, - 123.259590. Keep getting stronger going south all on the rock and algae. Two transects collected in this section. Cells with missing parameters not collected.
04-10-2025	13:16:00	Reference 1	1	Q5	6	1	1.6	Fucus	Boulder 100%	30	0	0	12	0	12	1	Herring spawn 49.650960, - 123.259590. Keep getting stronger going south all on the rock and algae. Two transects collected in this section. Cells with missing parameters not collected.
04-10-2025	13:17:00	Reference 1	1	Q6	8	1.6	1	Fucus	Boulder 100%	25	0	0	5	0	5	1	Herring spawn 49.650960, - 123.259590. Keep getting stronger going south all on the rock and algae. Two transects collected in this section. Cells with missing parameters not collected.
04-10-2025	13:43:00	Reference 1	1	Q1	0	0	2.8	none	Bedrock 100%	100	0	0	0	0	0	0	Spawn around Foulger creek. One transect collected in this section. Cells with missing parameters not collected.
04-10-2025	13:45:00	Reference 1	1	Q2	1	0.3	2.5	Fucus/Bedrock	Bedrock 100%	90	0	0	80	40	40	2	Spawn around Foulger creek. One transect collected in this section. Cells with missing parameters not collected.
04-10-2025	13:47:00	Reference 1	1	Q3	2	0.7	2.1	Fucus/Bedrock	Bedrock 100%	100	0	0	140	90	50	2	Spawn around Foulger creek. One transect collected in this section. Cells with missing parameters not collected.

Date	Time	Location	Transect #	Quadrat #	Distance on Transect (m)	Depth (m)	Elevation (m CD)	Attachment Substrate	Percent coverage of substrate type in quadrat	Percent coverage of macroalgae in quadrat Rockweed	Percent coverage of macroalgae in quadrat Ulva intestinalis	Percent coverage of macroalgae in quadrat diatoms	Overall Percent coverage (%)	Percent coverage on substrate (%)	Percent coverage on macroalgae (%)	Number of Spawn Lawyers	Comments
04-10-2025	13:49:00	Reference 1	1	Q4	3	1	1.8	Fucus/Bedrock	Bedrock 100%	25	0	0	80	40	40	2	Spawn around Foulger creek. One transect collected in this section. Cells with missing parameters not collected.
04-10-2025	13:51:00	Reference 1	1	Q5	4	1.5	1.4	Bedrock	Bedrock 100%	0	0	0	20	20	0	1	Spawn around Foulger creek. One transect collected in this section. Cells with missing parameters not collected.
04-10-2025	14:10:00	Reference 1	2	Q1	0	0	3.4	none	Bedrock 100%	100	0	0	0	0	0	0	Spawn around Foulger creek. One transect collected in this section. Cells with missing parameters not collected.
04-10-2025	14:14:00	Reference 1	2	Q2	1	1.5	1.6	Fucus/Bedrock	Bedrock 100%	90	0	0	5	0	5	1	Spawn around Foulger creek. One transect collected in this section. Cells with missing parameters not collected.
04-10-2025	14:19:00	Reference 1	2	Q3	2	2	1.1	none	Bedrock 100%	0	0	0	0	0	0	0	Spawn around Foulger creek. One transect collected in this section. Cells with missing parameters not collected.
04-24-2025	12:55:00	Reference 1	1	Q1	0	0	3.86	none	Bedrock 100%	25	0	0	0	0	0	0	
04-24-2025	12:57:00	Reference 1	1	Q2	1	0	2.86	Fucus/Bedrock	Bedrock 100%	75	0	0	60	20	40	1	
04-24-2025	13:00:00	Reference 1	1	Q3	2	0.3	2.56	Fucus/Bedrock	Bedrock 100%	30	0	0	60	10	50	1	
04-24-2025	13:03:00	Reference 1	1	Q4	3	1.2	1.66	Bedrock	Bedrock 100%	0	0	0	20	20	0	1	
04-24-2025	13:06:00	Reference 1	1	Q5	4	2.1	0.76	Bedrock	Bedrock 100%	0	0	0	95	95	0	1	
04-24-2025	13:12:00	Reference 1	2	Q1	0	0	4	Fucus/Bedrock	Bedrock 100%	60	0	0	80	40	40	1	
04-24-2025	13:14:00	Reference 1	2	Q2	1	0	3	Fucus/Bedrock/ Cobble	Bedrock 50% Cobble 50%	25	0	0	45	5	40	1	
04-24-2025	13:17:00	Reference 1	2	Q3	2	0.5	2.5	Fucus	Cobble 100%	30	0	0	5	0	5	1	
04-24-2025	13:19:00	Reference 1	2	Q4	4	0.6	2.4	Fucus/Bedrock	Bedrock 100%	40	0	0	35	5	30	1	
04-24-2025	13:21:00	Reference 1	2	Q5	6	0.8	2.2	Fucus	Boulder 100%	5	0	0	1	0	1	1	

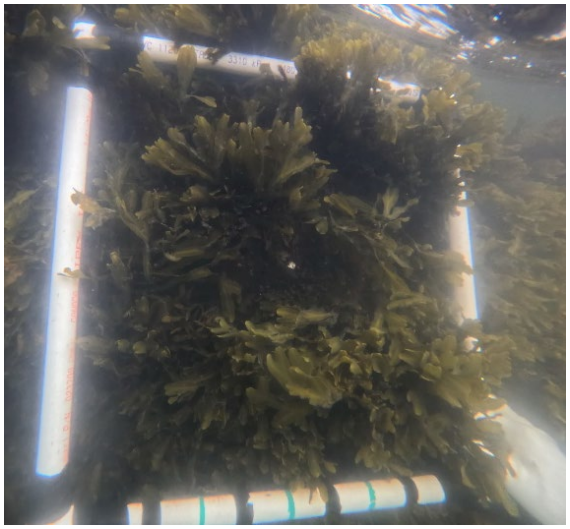
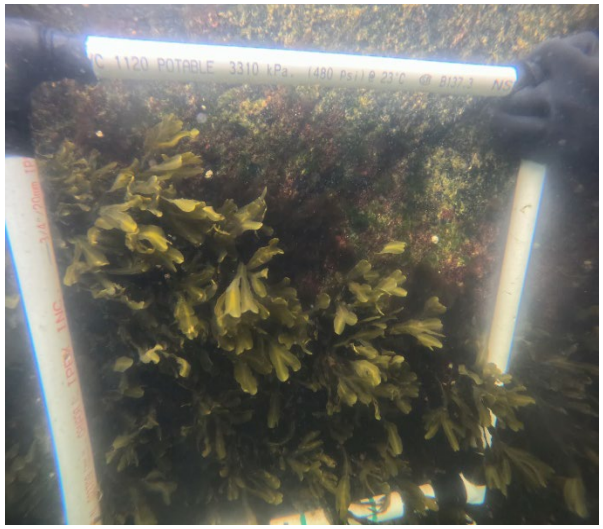
Date	Time	Location	Transect #	Quadrat #	Distance on Transect (m)	Depth (m)	Elevation (m CD)	Attachment Substrate	Percent coverage of substrate type in quadrat	Percent coverage of macroalgae in quadrat Rockweed	Percent coverage of macroalgae in quadrat Ulva intestinalis	Percent coverage of macroalgae in quadrat diatoms	Overall Percent coverage (%)	Percent coverage on substrate (%)	Percent coverage on macroalgae (%)	Number of Spawn Lawyers	Comments
04-24-2025	13:25:00	Reference 1	2	Q6	8	1	2	Fucus/Boulder	Boulder 100%	50	0	0	23	8	15	1	
04-24-2025	13:31:00	Reference 1	1	Q1	0	0	3.85	none	Bedrock 100%	90	0	0	0	0	0	0	Spawn at the mouth of foldger creek all the way to the End point on the Avenza
04-24-2025	13:33:00	Reference 1	1	Q2	2	0.5	2.6	Fucus	Bedrock 100%	95	0	0	15	0	15	1	Spawn at the mouth of foldger creek all the way to the End point on the Avenza
04-24-2025	13:35:00	Reference 1	1	Q3	3	0.6	2.5	Fucus	Bedrock 100%	75	0	0	20	0	20	1	Spawn at the mouth of foldger creek all the way to the End point on the Avenza
04-24-2025	13:37:00	Reference 1	1	Q4	4	0.8	2.3	Fucus/Bedrock	Bedrock 100%	90	0	0	21	1	20	1	Spawn at the mouth of foldger creek all the way to the End point on the Avenza
04-24-2025	13:40:00	Reference 1	1	Q5	5	1	2.1	Fucus/Bedrock	Bedrock 100%	65	0	0	35	10	25	1	Spawn at the mouth of foldger creek all the way to the End point on the Avenza
04-24-2025	13:52:00	Reference 1	1	Q1	0	0	3.72	none	Bedrock 100%	100	0	0	0	0	0	0	Spawn was observed all the way from the End point of the south reference south bound to the end point before the creek on the Avennza. The deepest spawn point was observed at 20 ft.
04-24-2025	13:54:00	Reference 1	1	Q2	2	1	2.22	Bedrock	Bedrock 100%	100	0	0	1	1	0	1	Spawn was observed all the way from the End point of the south reference south bound to the end point before the creek on the Avennza. The deepest spawn point was observed at 20 ft.
04-24-2025	13:56:00	Reference 1	1	Q3	4	1.5	1.72	Fucus	Bedrock 100%	90	0	0	5	0	5	1	Spawn was observed all the way from the End point of the south reference south bound to the end point before the creek on the Avennza. The deepest spawn point was observed at 20 ft.

APPENDIX C

HERRING SPAWN QUADRAT PHOTOGRAPHS

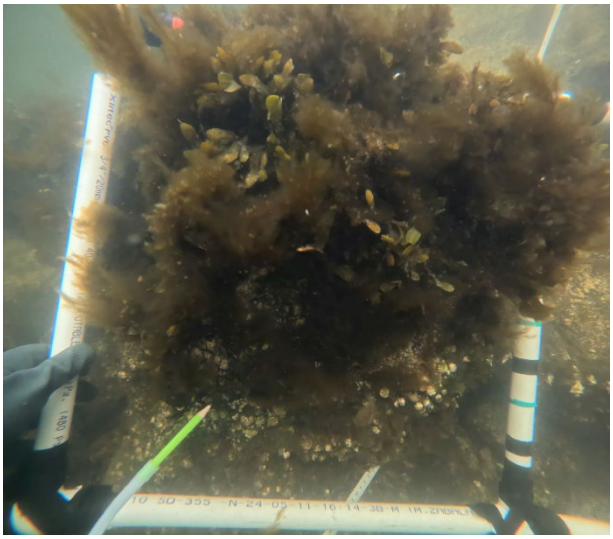
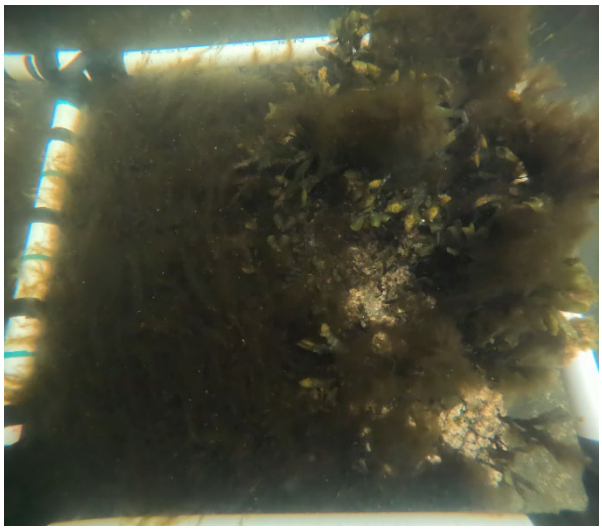
Herring Dive Survey Quadrat Photographs

March 26, 2025 – Spawn Area 1

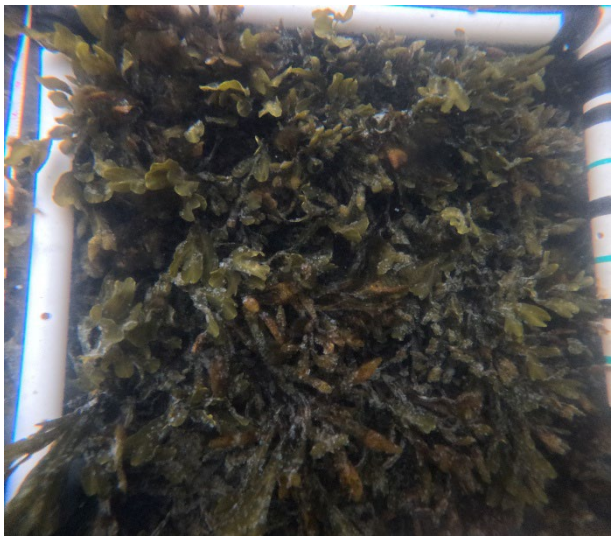
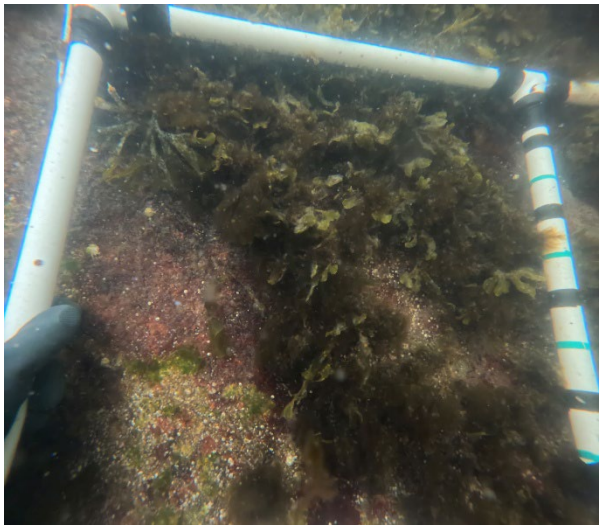
March 26, 2025, Reference Site 1	
Transect 1	
	
Q1, 0-0.5 m	**Q2, 0.5-1.0 m**
Transect 2	
	
Q1, 0-0.5 m	**Q2, 0.5-1.0 m**

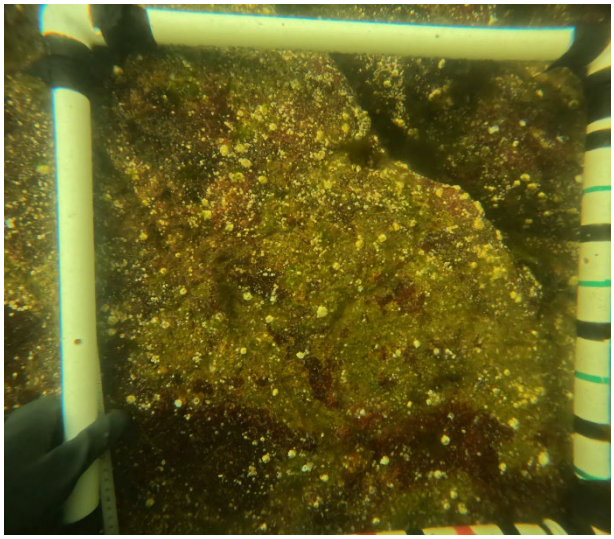
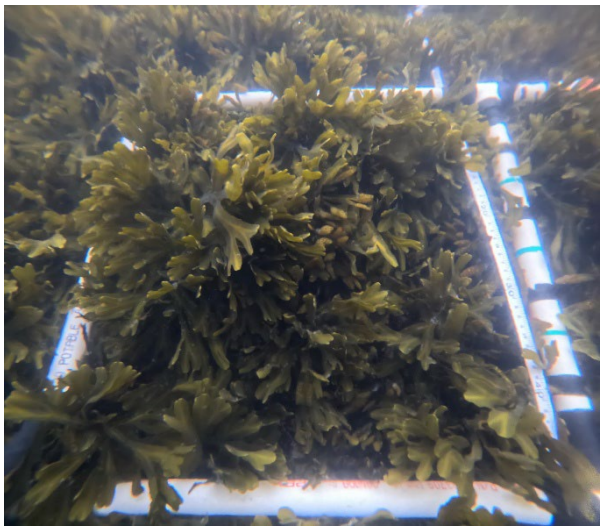
April 10, 2025 – Spawn Area 1

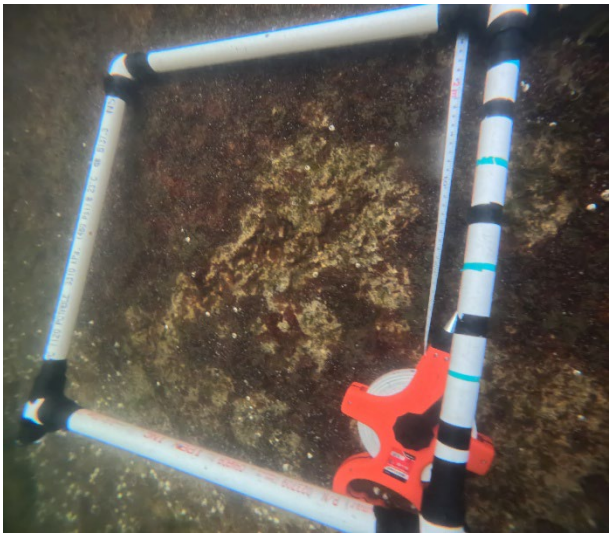
April 10, 2025, Reference Site 1, Spawn Area 1	
Transect 1	
	
Q1, 0-0.5 m	**Q2, 1.0-1.5 m**
	
Q3, 2.0-2.5 m	**Q4, 4.0-4.5 m**

April 10, 2025, Reference Site 1, Spawn Area 1	
	
Q5, 6.0-6.5 m	**Q6, 8.0-8.5 m**

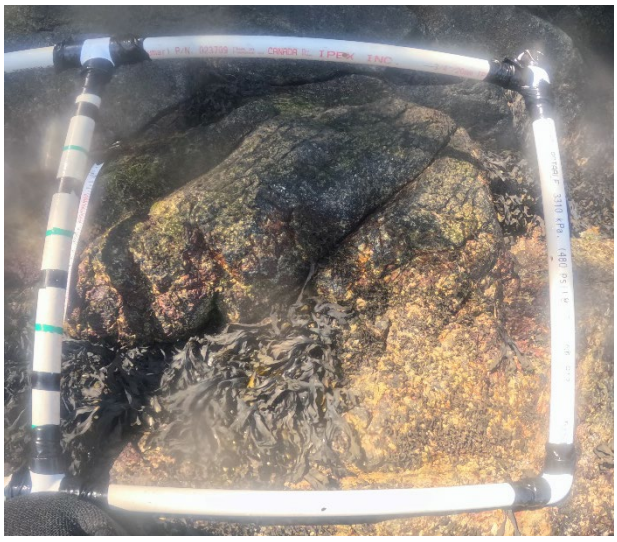
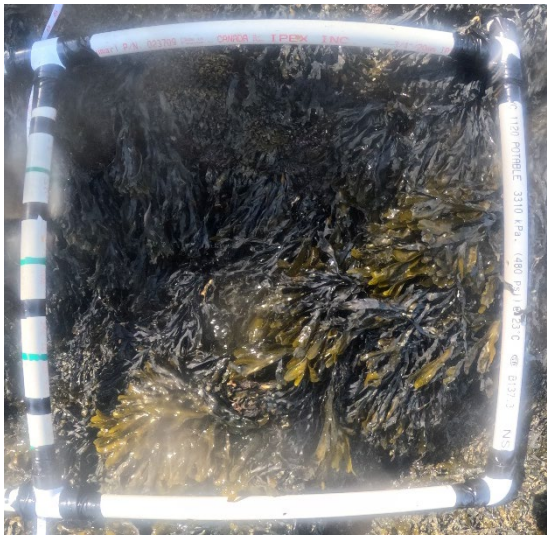
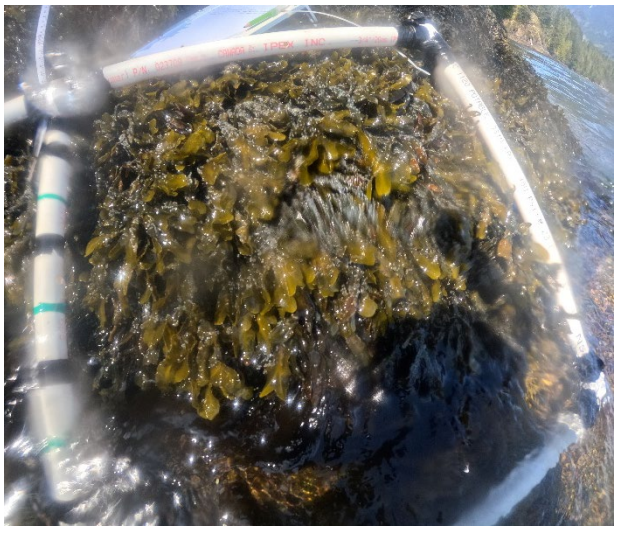
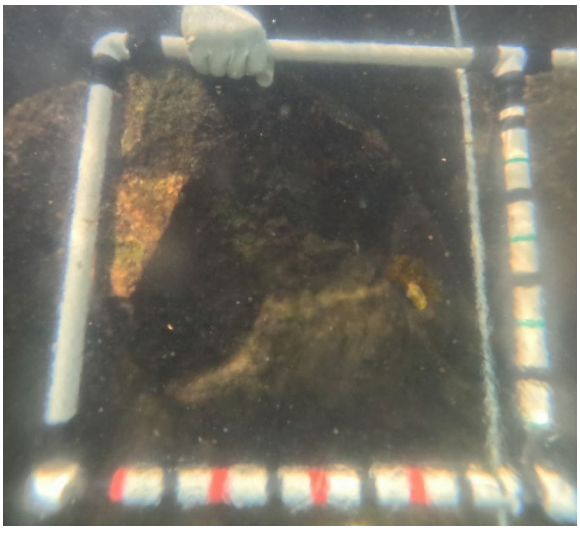
April 10 2025, Spawn Area 2

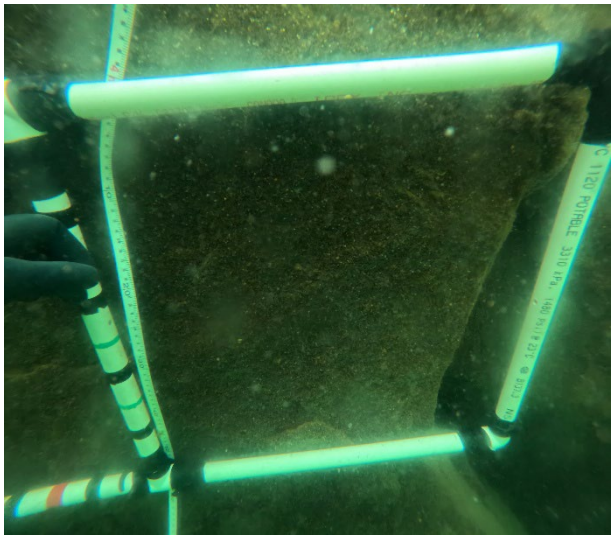
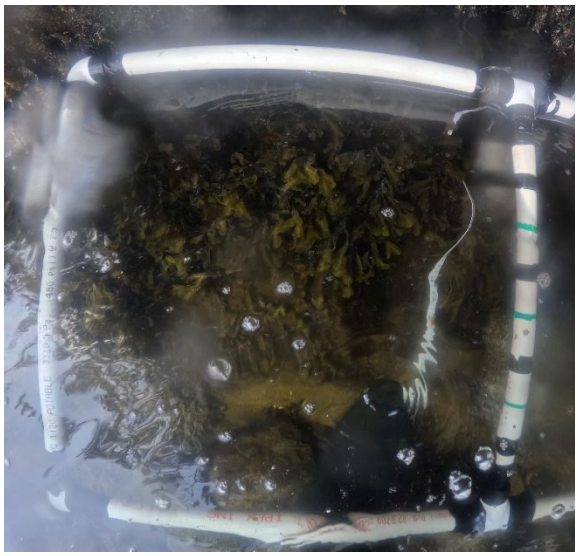
April 10, 2025, Reference Site 1, Spawn Area 2	
Transect 1	
	
Q1, 0-0.5 m	**Q2, 1.0-1.5 m**
	
Q3, 2.0-2.5 m	**Q4, 3.0-3.5 m**

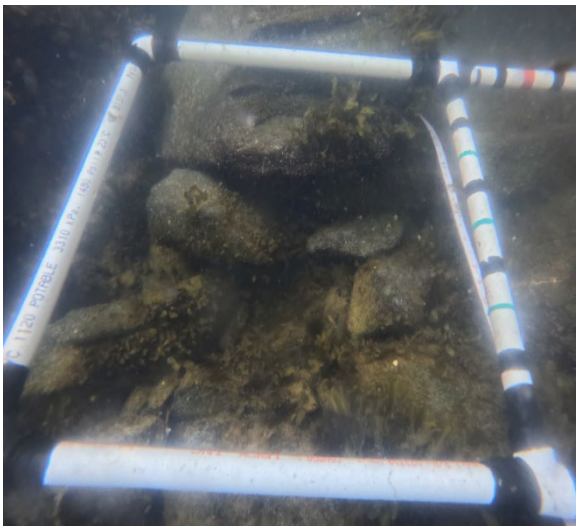
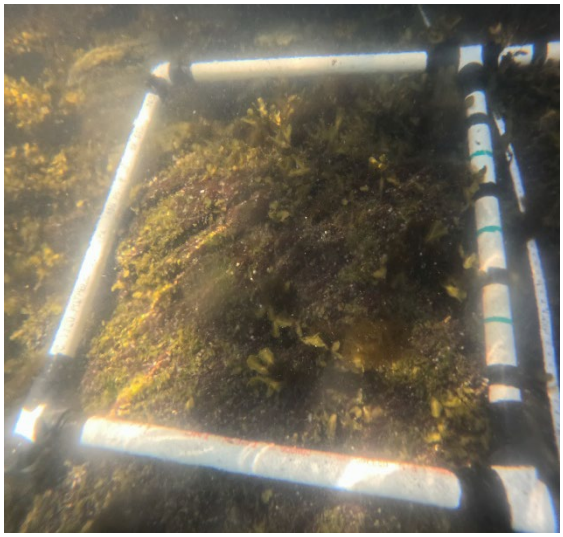
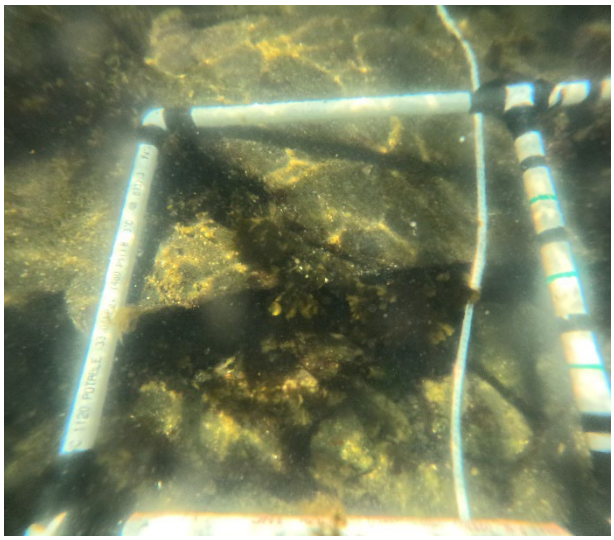
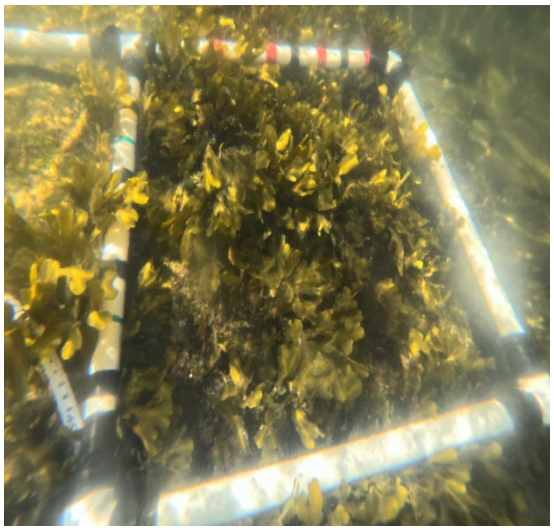
April 10, 2025, Reference Site 1, Spawn Area 2	
 Q5, 4.0-4.5 m	
Transect 2	
 Q1, 0-0.5 m	 Q2, 1.0-1.5 m

April 10, 2025, Reference Site 1, Spawn Area 2	
	
Q3, 2.0-2.5 m	

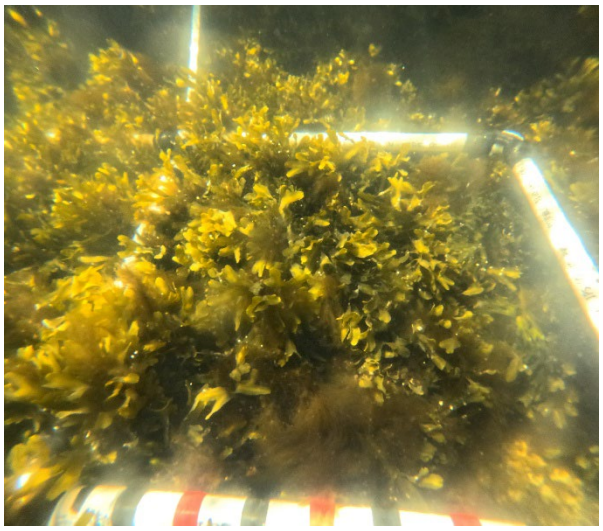
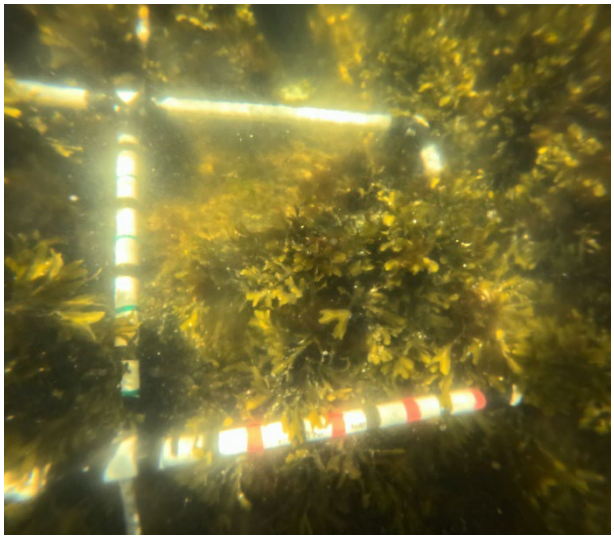
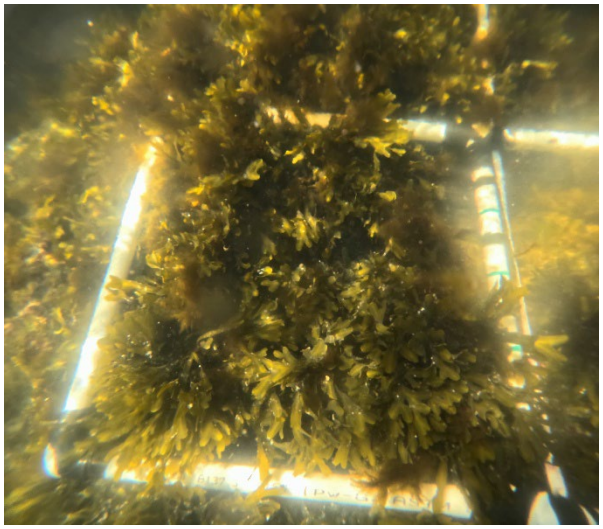
April 24, 2025 – Spawn Area 1

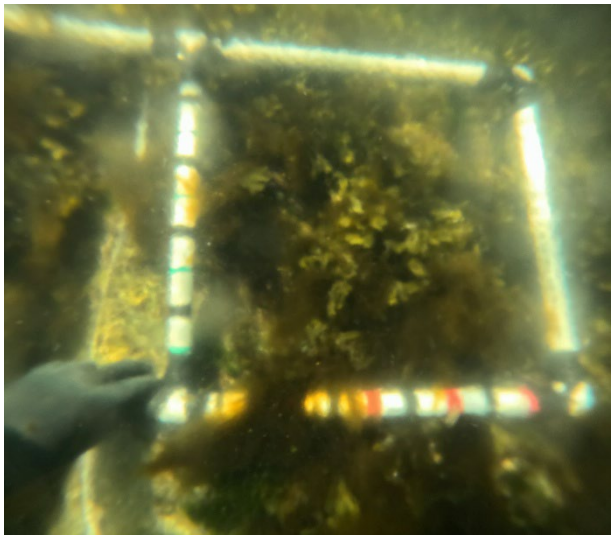
April 24, 2025, Reference Site 1, Spawn Area 1	
Transect 1	
	
Q1, 0-0.5 m	**Q2, 1.0-1.5 m**
	
Q3, 2.0-2.5 m	**Q4, 3.0-3.5 m**

April 24, 2025, Reference Site 1, Spawn Area 1	
	
Q5, 4.0-4.5 m	
Transect 2	
	
Q1, 0-0.5 m	**Q2, 1.0-1.5 m**

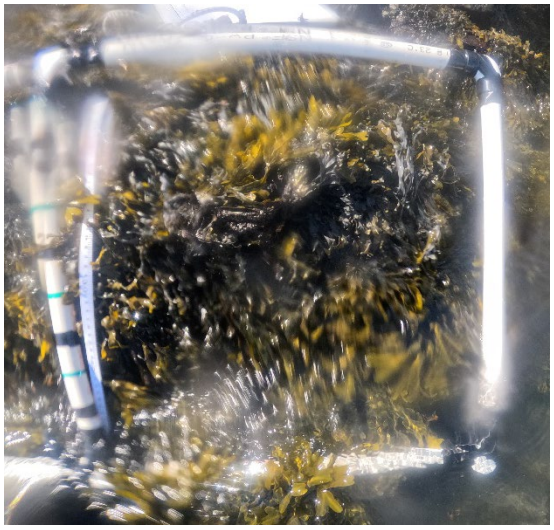
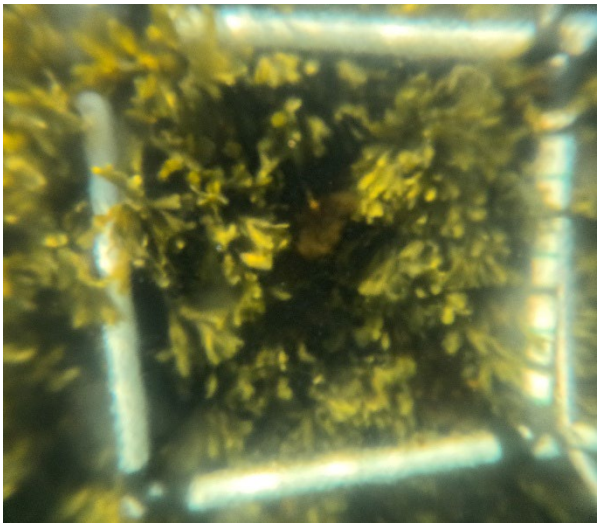
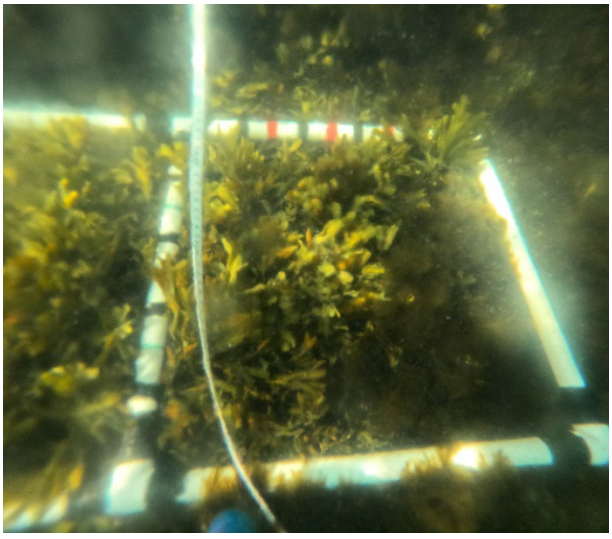
April 24, 2025, Reference Site 1, Spawn Area 1	
	
Q3, 2.0-2.5 m	**Q4, 4.0-4.5 m**
	
Q5, 6.0-6.5 m	**Q6, 8.0-8.5 m**

April 24, 2025, Spawn Area 2

April 24, 2025, Reference Site 1, Spawn Area 2	
Transect 1	
	
Q1, 0-0.5 m	**Q2, 1.0-1.5 m**
	
Q3, 2.0-2.5 m	**Q4, 3.0-3.5 m**

April 24, 2025, Reference Site 1, Spawn Area 2	
 **Q5, 4.0-4.5 m**	

April 24, 2025 – Spawn Area 3

April 24, 2025, Reference Site 1, Spawn Area 3	
Transect 1	
 **Q1, 0-0.5 m**	 **Q2, 2.0-2.5 m**
 **Q3, 4.0-4.5 m**	

APPENDIX D

KPI2 SUPPLEMENTARY FIGURES

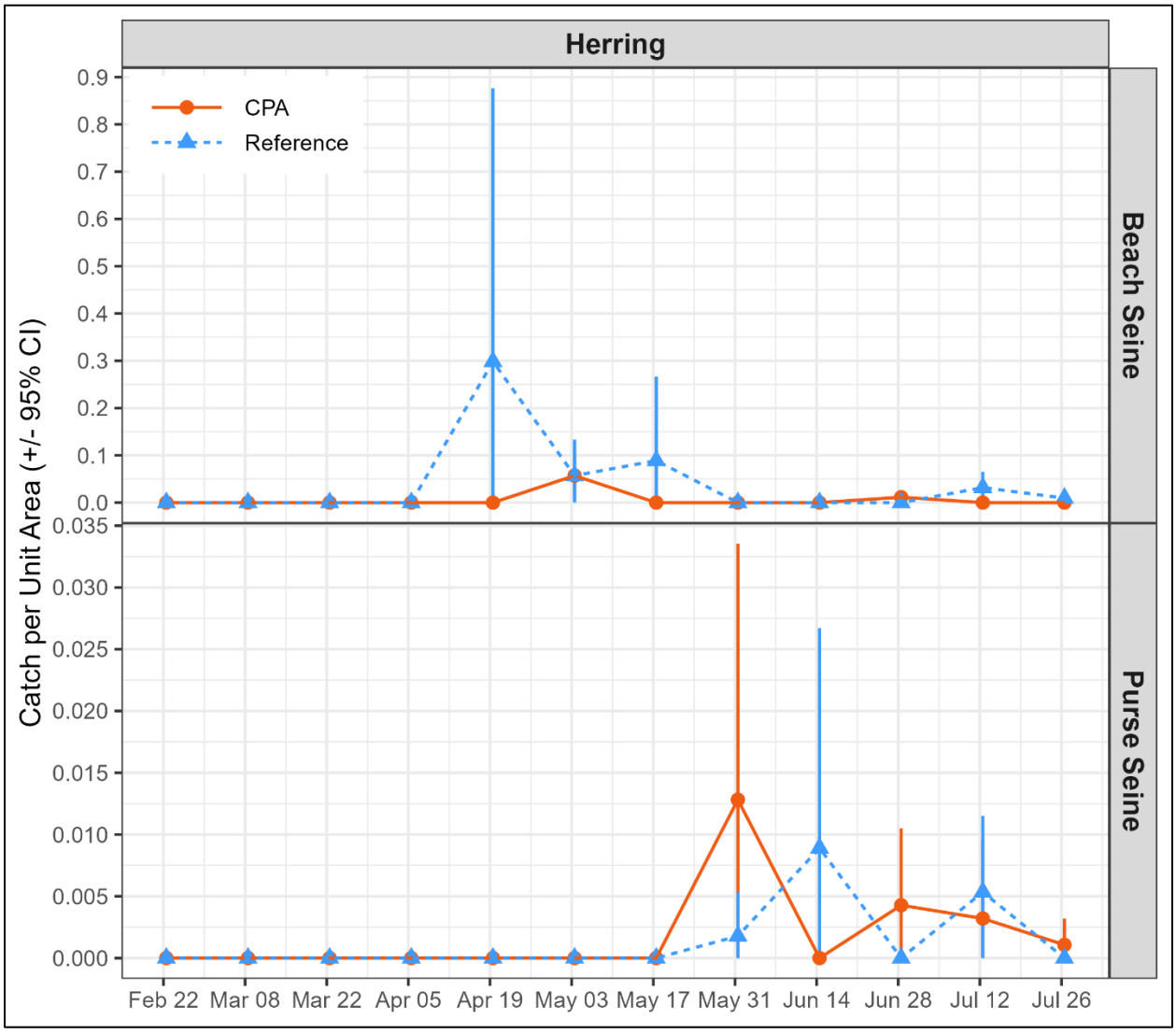


Figure D-1 Bi-weekly beach- and purse seine herring catch (CPUA, number of fish per m^2, +/- 95% confidence interval). Points represent bi-weekly averages pooled separately for CPA and reference sites.

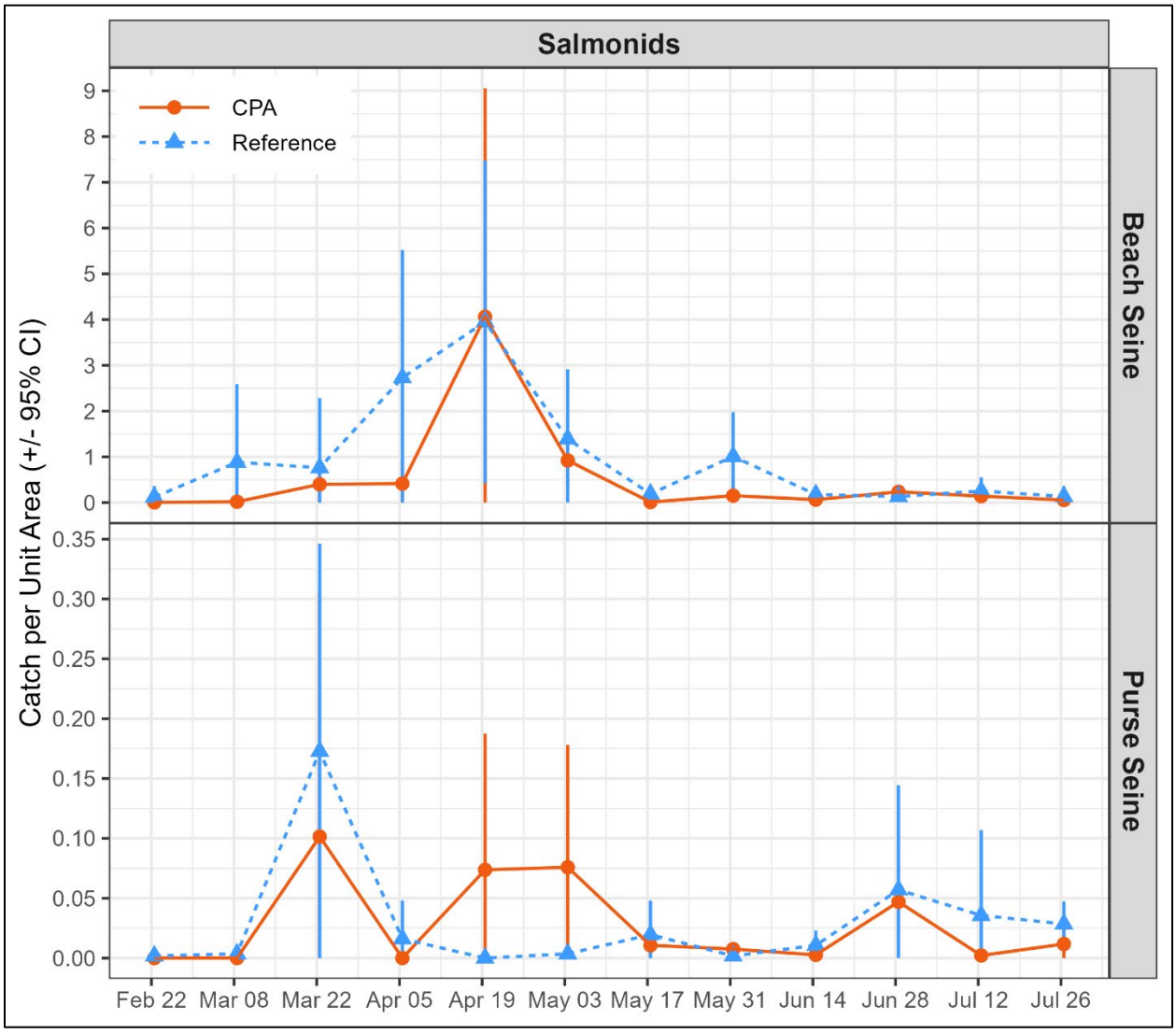


Figure D-2 Bi-weekly beach- and purse seine salmonid catch (CPUA, number of fish per m2, +/- 95% confidence interval). Points represent bi-weekly averages pooled separately for CPA and reference sites.

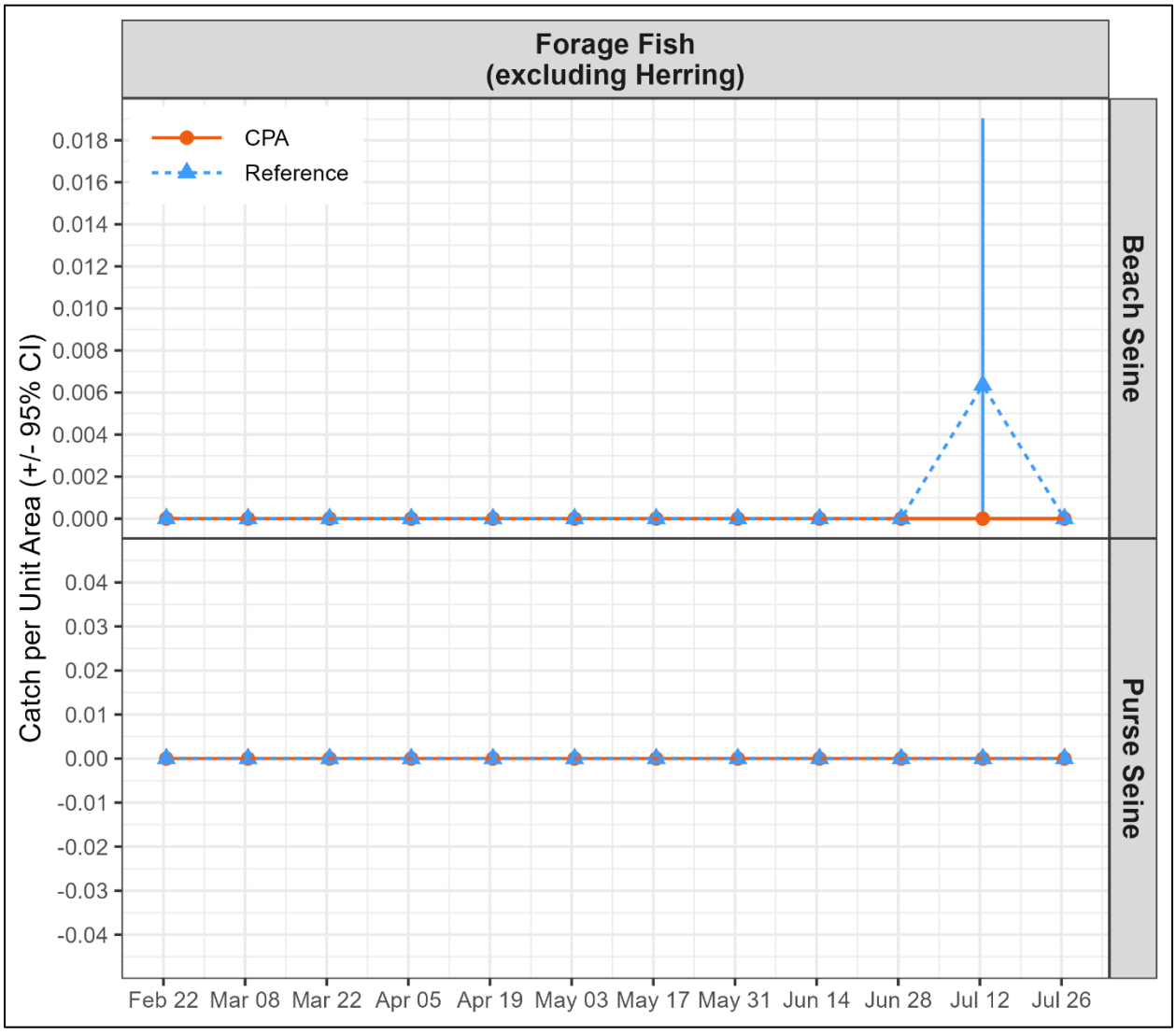


Figure D-3 **Bi-weekly beach- and purse seine forage fish catch (CPUA, number of fish per m2, +/- 95% confidence interval). Points represent bi-weekly averages pooled separately for CPA and reference sites.**

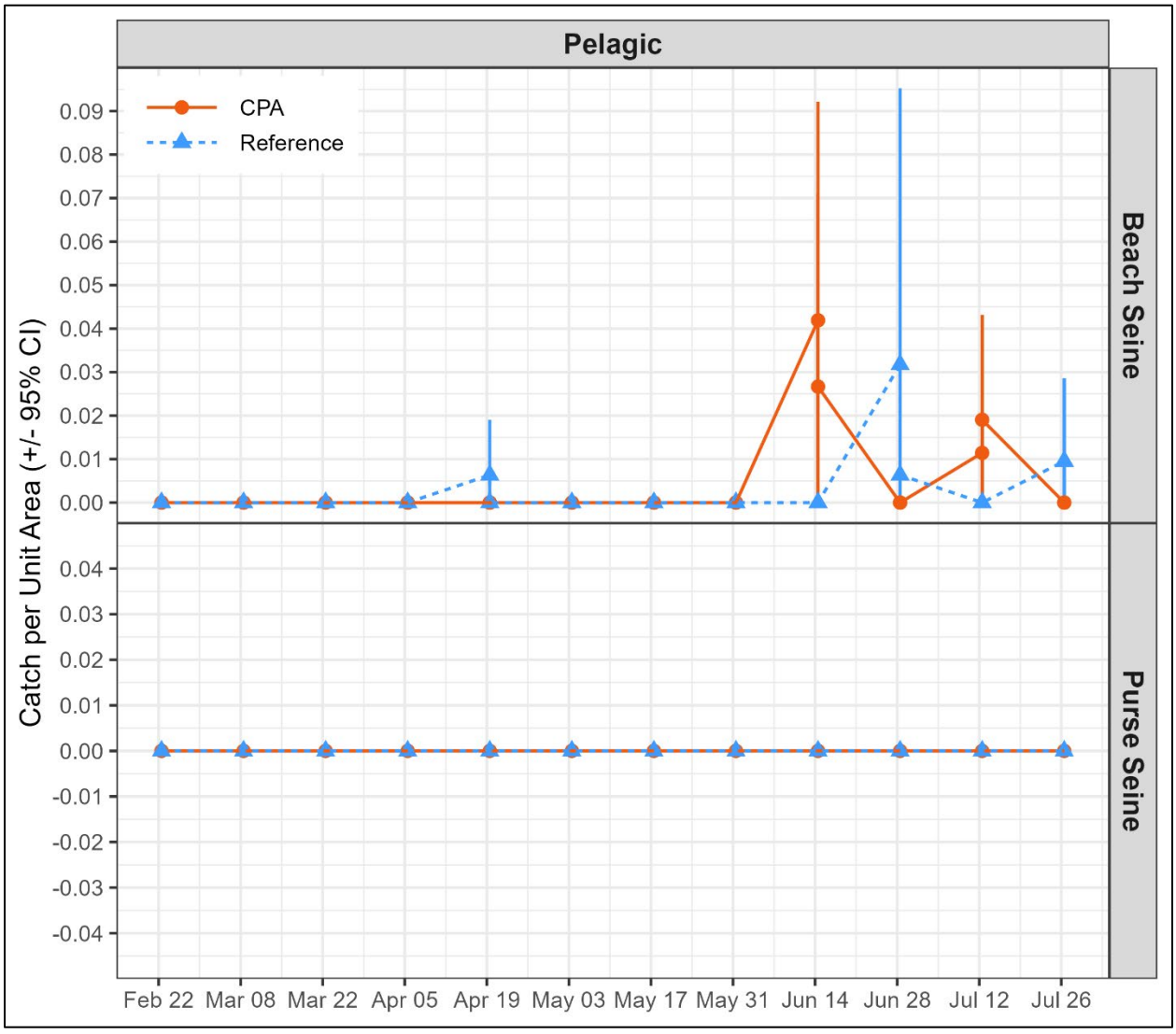


Figure D-4 **Bi-weekly beach- and purse seine pelagic fish species catch (CPUA, number of fish per m2, +/- 95% confidence interval). Points represent bi-weekly averages pooled separately for CPA and reference sites.**

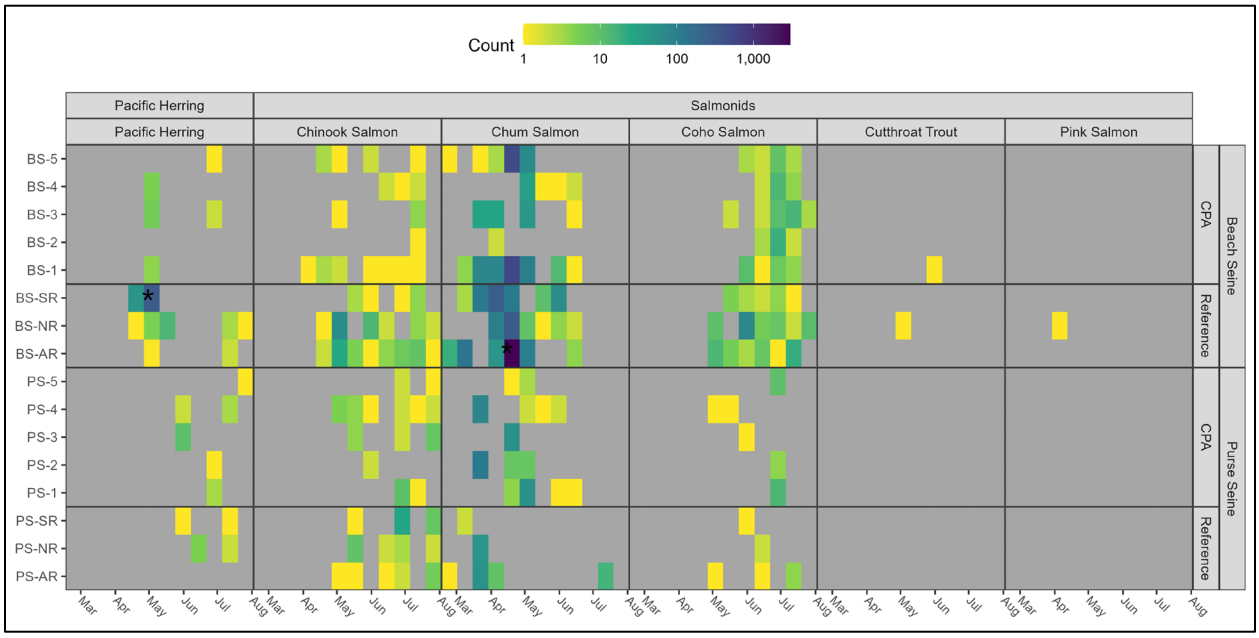


Figure D-5 **Bi-weekly beach- and purse seine herring and salmonid species catch (number of fish). (* denotes two outliers that were excluded from the formal analyses of CPUA. See methods for more information.)**

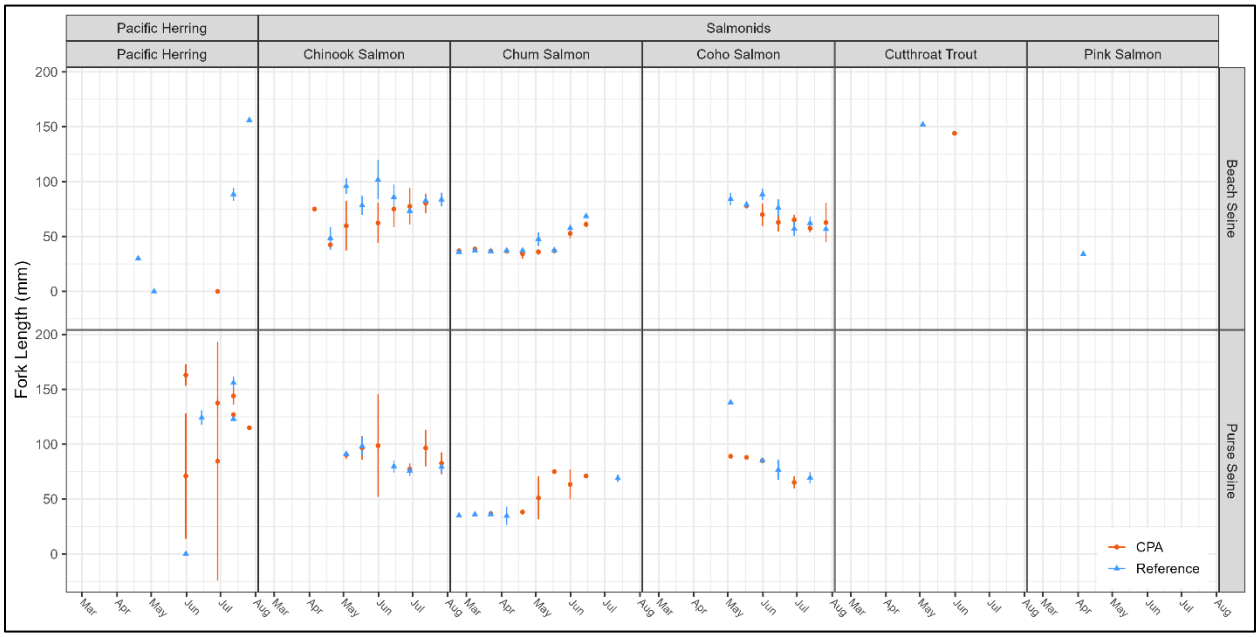


Figure D-6 **Bi-weekly beach- and purse seine herring and salmonid species fork length (mean +/- 95% CI).**

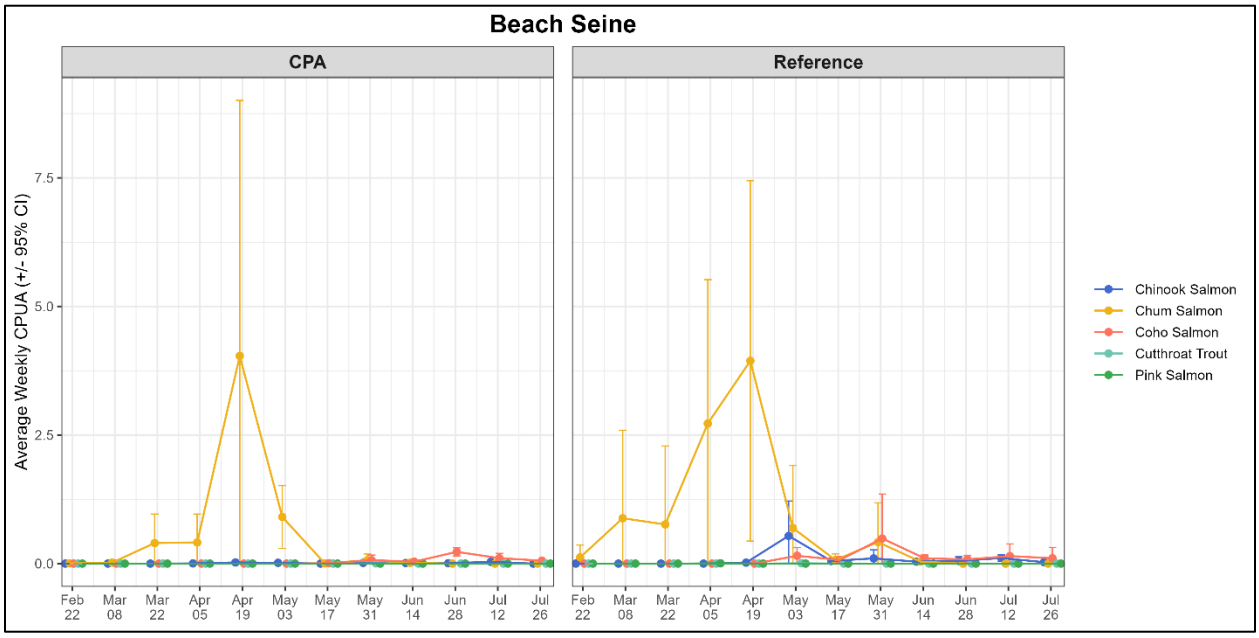


Figure D-7 **Bi-weekly beach seine salmonid species catch (number of fish). Points represent bi-weekly averages pooled by site, for CPA and reference sites (+/- 95% confidence intervals).**

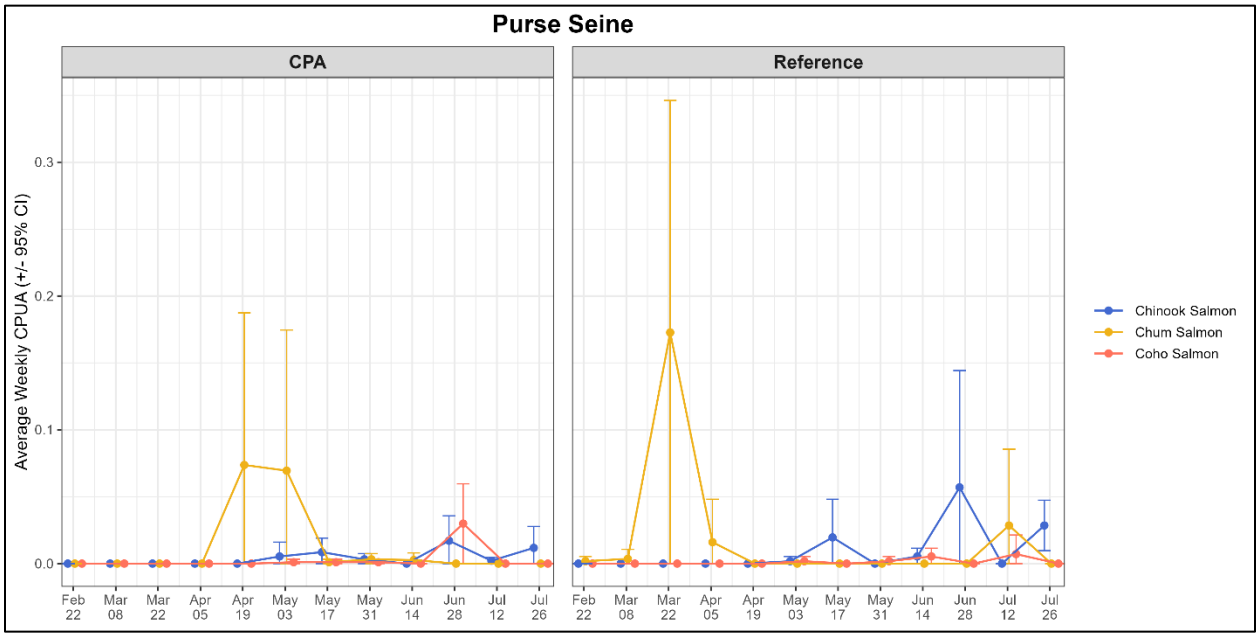


Figure D-8 **Bi-weekly purse seine salmonid species catch (number of fish). Points represent bi-weekly averages pooled by site, for CPA and reference sites (+/- 95% confidence intervals).**

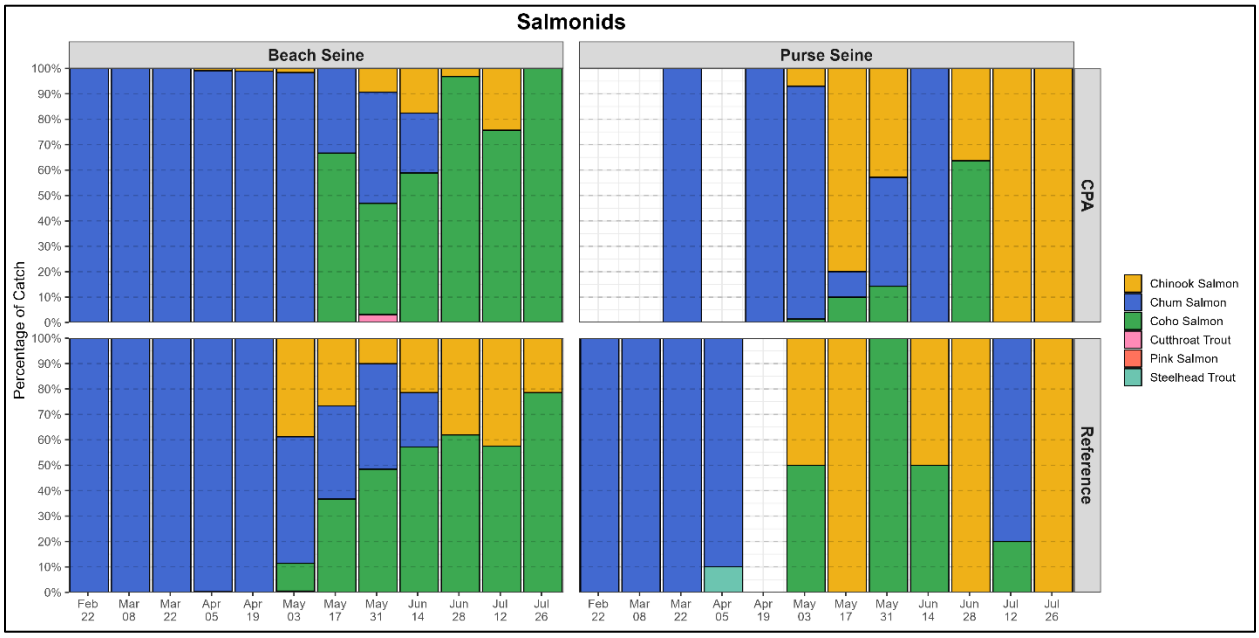


Figure D-9 Bi-weekly purse- and beach seine salmonid species catch composition.

APPENDIX E

KPI2 TASKS

Table 1a: Summary table of raw beach seine data

Date	Set Net Start Time	Set Net End Time	Site ID	Set (Count)	Ebb / Flood Tide	Tide Height (m)	Total Unique Species Caught	Notes / Unique Species
2025-02-20	09:06	09:22	BS-4	Set 1	Flood	4.049	0	
2025-02-20	09:24	09:31	BS-4	Set 2	Flood	4.049	0	
2025-02-20	09:59	10:07	BS-AR	Set 1	Ebb	3.973	1	Chum Salmon
2025-02-20	10:10	10:15	BS-AR	Set 2	Ebb	3.952	0	
2025-02-20	11:24	11:30	BS-NR	Set 1	Ebb	3.56	0	
2025-02-20	11:37	11:42	BS-NR	Set 2	Ebb	3.56	0	
2025-02-20	12:09	12:15	BS-1	Set 1	Ebb	3.38	1	Sculpin Species
2025-02-20	12:17	12:23	BS-1	Set 2	Ebb	3.38	1	Sculpin Species
2025-02-20	12:45	12:53	BS-SR	Set 1	Ebb	3.1	1	Three Spine Stickleback
2025-02-20	12:54	13:59	BS-SR	Set 2	Ebb	3.09	1	Fluffy Sculpin
2025-02-21	08:48	08:53	BS-5	Set 1	Flood	3.98	1	Chum Salmon
2025-02-21	08:48		BS-5	Set 1	Flood	3.98	1	Three Spine Stickleback
2025-02-21	08:57	09:09	BS-5	Set 2	Flood	3.99	1	Kelp Greenling
2025-02-21	11:07	11:07	BS-3	Set 1	Ebb	3.9	0	
2025-02-21	12:16	12:26	BS-2	Set 1	Ebb	3.57	0	
2025-02-21	12:28	12:32	BS-2	Set 2	Ebb	3.53	0	
2025-03-05	09:45	09:56	BS-SR	Set 1	Ebb	4	1	Chum Salmon
2025-03-05	09:55	10:00	BS-SR	Set 2	Ebb	4.2	1	Chum Salmon
2025-03-05	10:44	10:49	BS-NR	Set 1	Ebb	3.93	2	Three Spine Stickleback, Fluffy Sculpin
2025-03-05	10:52	11:00	BS-NR	Set 2	Ebb	3.61	1	Saddleback Gunnel
2025-03-05	11:32	11:40	BS-AR	Set 1	Ebb	3.15	1	Chum Salmon
2025-03-05	11:50	11:55	BS-AR	Set 2	Ebb	2.78	2	Chum Salmon, Fluffy Sculpin
2025-03-06	08:57	09:03	BS-4	Set 1	Ebb	4.28	0	

Date	Set Net Start Time	Set Net End Time	Site ID	Set (Count)	Ebb / Flood Tide	Tide Height (m)	Total Unique Species Caught	Notes / Unique Species
2025-03-06	09:06	09:11	BS-4	Set 2	Ebb	4.28	0	
2025-03-06	09:27	09:32	BS-2	Set 1	Ebb	4.2	0	
2025-03-06	09:39	09:47	BS-2	Set 2	Ebb	4.2	0	
2025-03-06	10:02	10:07	BS-5	Set 1	Ebb	4.13	1	Fluffy Sculpin
2025-03-06	10:09	10:14	BS-5	Set 2	Ebb	4.1	0	
2025-03-06	10:30	10:35	BS-1	Set 1	Ebb	4	1	Coastrange Sculpin
2025-03-06	10:38	10:44	BS-1	Set 2	Ebb	4	1	Chum Salmon
2025-03-19	08:53	09:19	BS-5	Set 1	Ebb	4.11	0	
2025-03-19	09:22	09:35	BS-5	Set 2	Ebb	3.96	1	Chum Salmon
2025-03-19	09:58	10:05	BS-SR	Set 1	Ebb	3.86	2	Chum Salmon, Coastrange Sculpin
2025-03-19	10:15	10:37	BS-SR	Set 2	Ebb	3.77	2	Chum Salmon, Prickly Sculpin
2025-03-19	11:22	11:34	BS-1	Set 1	Ebb	3.24	1	Chum Salmon
2025-03-19	11:42	12:02	BS-1	Set 2	Ebb	3.14	4	Staghorn Sculpin, Gunnel Species, Chum Salmon, Prickly Sculpin
2025-03-19	13:01	13:11	BS-AR	Set 1	Ebb	2.24	0	
2025-03-19	13:14	13:23	BS-AR	Set 2	Ebb	2.14	0	
2025-03-20	08:59	09:10	BS-NR	Set 1	Ebb	3.98	0	
2025-03-20	09:13	09:20	BS-NR	Set 2	Ebb	3.97	0	
2025-03-20	09:44	09:49	BS-4	Set 1	Ebb	3.91	0	
2025-03-20	10:01	10:08	BS-4	Set 2	Ebb	3.88	0	
2025-03-20	10:23	10:29	BS-3	Set 1	Ebb	3.77	3	Chum Salmon, Prickly Sculpin, Three Spine Stickleback
2025-03-20	10:32	10:38	BS-3	Set 2	Ebb	3.72	0	
2025-03-20	11:19	11:25	BS-2	Set 1	Ebb	3.43	0	
2025-03-20	11:30	11:36	BS-2	Set 2	Ebb	3.37	0	

Date	Set Net Start Time	Set Net End Time	Site ID	Set (Count)	Ebb / Flood Tide	Tide Height (m)	Total Unique Species Caught	Notes / Unique Species
2025-04-02	08:55	09:05	BS-NR	Set 1	Ebb	4.4	3	Chum Salmon, Pink Salmon, Three Spine Stickleback
2025-04-02	09:15	09:19	BS-NR	Set 2	Ebb	4.3	0	
2025-04-02	10:10	10:17	BS-4	Set 1	Ebb	3.8	0	
2025-04-02	10:22	10:25	BS-4	Set 2	Ebb	3.7	0	
2025-04-02	10:51	10:56	BS-SR	Set 1	Ebb	3.4	2	Chum Salmon, Fluffy Sculpin
2025-04-02	11:07	11:11	BS-SR	Set 2	Ebb	3.2	1	Chum Salmon
2025-04-02	11:07	11:11	BS-SR	Set 2	Ebb		2	Fluffy Sculpin, Chum Salmon
2025-04-02	12:01	12:05	BS-1	Set 1	Ebb	2.5	1	Coastrange Sculpin
2025-04-02	12:13	12:17	BS-1	Set 2	Ebb	2.4	2	Chum Salmon, Coastrange Sculpin
2025-04-02	12:13	12:17	BS-1	Set 2	Ebb		3	Fluffy Sculpin, Chinook Salmon, Chum Salmon
2025-04-03	08:35	08:39	BS-5	Set 1	Ebb	4.2	1	Chum Salmon
2025-04-03	08:40	08:47	BS-5	Set 2	Ebb	4.2	0	
2025-04-03	09:08	09:15	BS-3	Set 1	Ebb	4.19	1	Chum Salmon
2025-04-03	09:23	09:27	BS-3	Set 2	Ebb	4.18	0	
2025-04-03	10:12	10:18	BS-AR	Set 1	Ebb	3.4	0	
2025-04-03	10:20	10:28	BS-AR	Set 2	Ebb	3.4	2	Chum Salmon, Fluffy Sculpin
2025-04-03	11:14	11:32	BS-2	Set 1	Ebb	3.4	1	Chum Salmon
2025-04-03	11:34	11:42	BS-2	Set 2	Ebb	3.3	1	Coastrange Sculpin
2025-04-03	11:34		BS-2	Set 2	Ebb	3.3	1	Chum Salmon
2025-04-16	09:00	09:30	BS-5	Set 1	Ebb	3.33	1	Chum Salmon
2025-04-16	09:30	10:00	BS-5	Set 2	Ebb	3.6	4	Chum Salmon, Fluffy Sculpin, Three Spine Stickleback, Chinook Salmon
2025-04-16	11:30	11:44	BS-1	Set 1	Ebb	2.38	5	Chum Salmon, Chinook Salmon, Fluffy Sculpin, Coastrange Sculpin, Sculpin Species

Date	Set Net Start Time	Set Net End Time	Site ID	Set (Count)	Ebb / Flood Tide	Tide Height (m)	Total Unique Species Caught	Notes / Unique Species
2025-04-16	11:45	11:51	BS-1	Set 2	Ebb	2.16	4	Chum Salmon, Chinook Salmon, Three Spine Stickleback, Coastrange Sculpin
2025-04-16	14:24	14:45	BS-AR	Set 1	Flood	1.27	2	Chum Salmon, Chinook Salmon
2025-04-16	14:45	14:57	BS-AR	Set 2	Flood	1.33	0	
2025-04-17	08:03	08:11	BS-3	Set 1	Ebb	3.98	0	
2025-04-17	08:16	08:22	BS-3	Set 2	Ebb	3.98	0	
2025-04-17	08:47	09:00	BS-4	Set 1	Ebb	3.85	0	
2025-04-17	09:02	09:13	BS-4	Set 2	Ebb	3.85	0	
2025-04-17	09:31	09:41	BS-2	Set 1	Ebb	3.59	0	
2025-04-17	09:45	09:52	BS-2	Set 2	Ebb	3.59	0	
2025-04-17	10:52	11:01	BS-NR	Set 1	Ebb	2.91	0	
2025-04-17	11:16	11:32	BS-NR	Set 2	Ebb	2.91	4	Chum Salmon, Chinook Salmon, Sculpin Species, Pacific Herring
2025-04-17	12:41	13:01	BS-SR	Set 1	Ebb	1.93	5	Pacific Herring, Sculpin Species, Shiner Perch, Chum Salmon, Fluffy Sculpin
2025-04-17	13:10	13:27	BS-SR	Set 2	Ebb	1.93	2	Sculpin Species, Pacific Herring
2025-04-30	10:00	10:05	BS-4	Set 1	Ebb	2.8	2	Pacific Herring, Chum Salmon
2025-04-30	10:05	10:10	BS-4	Set 2	Ebb	2.7	3	Chum Salmon, Three Spine Stickleback, Sculpin Species
2025-04-30	11:07	11:10	BS-3	Set 1	Ebb	2	1	Coastrange Sculpin
2025-04-30	11:12	11:20	BS-3	Set 2	Ebb	1.7	4	Three Spine Stickleback, Chum Salmon, Pacific Herring, Chinook Salmon
2025-04-30	12:35	12:40	BS-1	Set 1	Ebb	0.723	7	Chum Salmon, Chinook Salmon, Tidepool Sculpin, Coastrange Sculpin, Fluffy Sculpin, Sculpin Species, Pacific Herring
2025-04-30	12:45	12:50	BS-1	Set 2	Ebb	0.723	4	Tidepool Sculpin, Chum Salmon, Sculpin Species, Fluffy Sculpin

Date	Set Net Start Time	Set Net End Time	Site ID	Set (Count)	Ebb / Flood Tide	Tide Height (m)	Total Unique Species Caught	Notes / Unique Species
2025-04-30	14:12	14:18	BS-AR	Set 1	Ebb	0.145	3	Chinook Salmon, Chum Salmon, Coho Salmon
2025-04-30	14:20	14:27	BS-AR	Set 2	Flood	0.142	1	Pacific Herring
2025-05-01	08:54	09:00	BS-2	Set 1	Ebb	4.04	0	
2025-05-01	09:00	09:04	BS-2	Set 2	Ebb	3.96	0	
2025-05-01	09:23	09:29	BS-NR	Set 1	Ebb	3.74	1	Pacific Herring
2025-05-01	09:31	09:35	BS-NR	Set 2	Flood	3.7	6	Chinook Salmon, Coho Salmon, Chum Salmon, Cutthroat Trout, Three Spine Stickleback, Sculpin Species
2025-05-01	10:41	10:50	BS-SR	Set 1	Ebb	2.8	3	Fluffy Sculpin, Three Spine Stickleback, Pacific Herring
2025-05-01	10:50	10:56	BS-SR	Set 2	Ebb	2.76	2	Coastrange Sculpin, Sculpin Species
2025-05-01	11:32	11:39	BS-5	Set 1	Ebb	2.2	1	Chum Salmon
2025-05-01	11:41	11:47	BS-5	Set 2	Ebb	2.11	1	Chinook Salmon
2025-05-14	08:28	08:33	BS-2	Set 1	Ebb	3.41	1	Coastrange Sculpin
2025-05-14	08:54	08:58	BS-2	Set 2	Ebb	3.41	0	
2025-05-14	09:15	09:21	BS-1	Set 1	Ebb	2.95	0	
2025-05-14	09:21	09:26	BS-1	Set 2	Ebb	2.95	0	
2025-05-14	09:39	09:44	BS-5	Set 1	Ebb	2.69	0	
2025-05-14	09:45	09:52	BS-5	Set 2	Ebb	2.69	1	Fluffy Sculpin
2025-05-14	10:27	10:33	BS-AR	Set 1	Ebb	2	2	Chinook Salmon, Coho Salmon
2025-05-14	10:33	10:38	BS-AR	Set 2	Ebb	2	2	Coho Salmon, Chinook Salmon
2025-05-15	07:30	07:36	BS-NR	Set 1	Ebb	3.98	2	Pacific Herring, Coastrange Sculpin
2025-05-15	07:39	07:43	BS-NR	Set 2	Ebb	3.9	2	Three Spine Stickleback, Chum Salmon
2025-05-15	08:11	08:14	BS-SR	Set 1	Flood	3.69	3	Chinook Salmon, Coho Salmon, Chum Salmon
2025-05-15	08:19	08:21	BS-SR	Set 2	Ebb	3.6	1	Chum Salmon

Date	Set Net Start Time	Set Net End Time	Site ID	Set (Count)	Ebb / Flood Tide	Tide Height (m)	Total Unique Species Caught	Notes / Unique Species
2025-05-15	09:01	09:07	BS-4	Set 1	Ebb	3.31	1	Chum Salmon
2025-05-15	09:10	09:16	BS-4	Set 2	Ebb	3.17	0	
2025-05-15	09:24	09:28	BS-3	Set 1	Ebb	3.08	1	Coho Salmon
2025-05-15	09:31	09:36	BS-3	Set 2	Ebb	3.02	0	
2025-05-28	08:28	08:33	BS-SR	Set 1	Ebb	3.16	3	Coho Salmon, Chum Salmon, Chinook Salmon
2025-05-28	08:35	08:42	BS-SR	Set 2	Ebb	3.0477	2	Chum Salmon, Fluffy Sculpin
2025-05-28	09:27	09:32	BS-1	Set 1	Ebb	2.32	1	Chum Salmon
2025-05-28	09:27	09:32	BS-1	Set 1		2.32	1	Cutthroat Trout
2025-05-28	09:34	09:41	BS-1	Set 2	Ebb	2.23	3	Coho Salmon, Chinook Salmon, Chum Salmon
2025-05-28	10:29	10:35	BS-NR	Set 1	Ebb	2.33	2	Bay Pipefish, Chinook Salmon
2025-05-28	10:36	10:53	BS-NR	Set 2	Ebb	1.3	3	Coho Salmon, Chinook Salmon, Chum Salmon
2025-05-28	11:39	11:44	BS-AR	Set 1	Ebb	0.5	1	Coho Salmon
2025-05-28	11:44	11:56	BS-AR	Set 2	Ebb	0.8	1	Chinook Salmon
2025-05-28	11:44		BS-AR	Set 2	Ebb	0.8	1	Coho Salmon
2025-05-29	08:25	08:28	BS-4	Set 1	Ebb	3.78	0	
2025-05-29	08:30	08:34	BS-4	Set 2	Ebb	3.65	2	Plainfin midshipman, Chum Salmon
2025-05-29	09:00	09:07	BS-2	Set 1	Ebb	3.4	0	
2025-05-29	09:08	09:11	BS-2	Set 2	Ebb	3.21	0	
2025-05-29	09:30	09:34	BS-5	Set 1	Ebb	2.7	3	Chinook Salmon, Fluffy Sculpin, Coho Salmon
2025-05-29	09:40	09:45	BS-5	Set 2	Ebb	2.77	1	Fluffy Sculpin
2025-05-29	10:22	10:22	BS-3	Set 1	Ebb	2.25	0	
2025-06-10	08:24	08:31	BS-3	Set 1	Ebb	2.51	3	Fluffy Sculpin, Sculpin Species, Chum Salmon
2025-06-10	08:34	08:42	BS-3	Set 2	Ebb	2.26	2	Coho Salmon, Fluffy Sculpin
2025-06-10	08:55	08:59	BS-4	Set 1	Ebb	2.13	1	Coho Salmon
2025-06-10	08:55	09:59	BS-4	Set 1	Ebb	2.13	3	Chinook Salmon, Coho Salmon, Chum Salmon

Date	Set Net Start Time	Set Net End Time	Site ID	Set (Count)	Ebb / Flood Tide	Tide Height (m)	Total Unique Species Caught	Notes / Unique Species
2025-06-10	09:02	09:07	BS-4	Set 2	Ebb	2.05	1	Shiner Perch
2025-06-10	09:33	09:41	BS-NR	Set 1	Ebb	1.72	2	Fluffy Sculpin, Chum Salmon
2025-06-10	09:41	09:47	BS-NR	Set 2	Ebb	1.63	6	Coho Salmon, Chinook Salmon, Chum Salmon, Tidepool Sculpin, Coastrange Sculpin, Fluffy Sculpin
2025-06-10	10:23	10:27	BS-AR	Set 1	Ebb	1.12	3	Coho Salmon, Chinook Salmon, Chum Salmon
2025-06-10	10:30	10:33	BS-AR	Set 2	Ebb	1.07	4	Chinook Salmon, Chum Salmon, Coho Salmon, Coastrange Sculpin
2025-06-11	08:27	08:35	BS-SR	Set 1	Ebb	2.69	0	
2025-06-11	08:40	08:45	BS-SR	Set 2	Ebb	2.61	1	Coho Salmon
2025-06-11	09:04	09:09	BS-1	Set 1	Ebb	2.33	2	Shiner Perch, Fluffy Sculpin
2025-06-11	09:12	09:16	BS-1	Set 2	Ebb	2.29	6	Shiner Perch, Chinook Salmon, Chum Salmon, Coastrange Sculpin, Coho Salmon, Fluffy Sculpin
2025-06-11	09:48	09:56	BS-2	Set 1	Ebb	1.85	3	Fluffy Sculpin, Coho Salmon, Coastrange Sculpin
2025-06-11	09:48		BS-2	Set 1	Ebb	1.85	1	Coastrange Sculpin
2025-06-11	10:04	10:07	BS-2	Set 2	Ebb	1.7	5	Coho Salmon, Prickly Sculpin, Saddleback Gunnel, Shiner Perch, Sculpin Species
2025-06-11	10:46	10:49	BS-5	Set 1	Ebb	1.25	3	Coho Salmon, Shiner Perch, Prickly Sculpin
2025-06-11	10:53	10:56	BS-5	Set 2	Ebb	1.19	2	Shiner Perch, Fluffy Sculpin
2025-06-25	07:56	08:07	BS-2	Set 1	Ebb	2.78	1	Coho Salmon
2025-06-25	08:11	08:16	BS-2	Set 2	Ebb	2.4	0	
2025-06-25	08:49	09:00	BS-SR	Set 1	Ebb	2	3	Coho Salmon, Prickly Sculpin, Fluffy Sculpin
2025-06-25	09:02	09:10	BS-SR	Set 2	Ebb	1.85	2	Chinook Salmon, Prickly Sculpin
2025-06-25	09:46	09:52	BS-1	Set 1	Ebb	1.2	4	Coastrange Sculpin, Fluffy Sculpin, Coho Salmon, Starry Flounder

Date	Set Net Start Time	Set Net End Time	Site ID	Set (Count)	Ebb / Flood Tide	Tide Height (m)	Total Unique Species Caught	Notes / Unique Species
2025-06-25	09:55	10:03	BS-1	Set 2	Ebb	1.1	3	Coho Salmon, Chinook Salmon, Prickly Sculpin
2025-06-25	10:40	10:49	BS-AR	Set 1	Ebb	0.5	4	Coho Salmon, Prickly Sculpin, Chinook Salmon, Fluffy Sculpin
2025-06-25	10:50	11:00	BS-AR	Set 2	Ebb	0.3	3	Prickly Sculpin, Chinook Salmon, Fluffy Sculpin
2025-06-26	07:45	07:52	BS-NR	Set 1	Ebb	3.41	2	Coho Salmon, Shiner Perch
2025-06-26	07:54	08:00	BS-NR	Set 2	Ebb	3.41	1	Coho Salmon
2025-06-26	08:35	08:38	BS-4	Set 1	Ebb	2.99	3	Three Spine Stickleback, Chinook Salmon, Coho Salmon
2025-06-26	08:43	08:49	BS-4	Set 2	Ebb	2.7	1	Coho Salmon
2025-06-26	09:28	09:30	BS-3	Set 1	Ebb	2.29	2	Coho Salmon, Three Spine Stickleback
2025-06-26	09:30	09:32	BS-3	Set 1	Ebb	2.29	2	Pacific Herring, Coho Salmon
2025-06-26	09:32	09:37	BS-3	Set 1	Ebb	2.1	1	Three Spine Stickleback
2025-06-26	09:32	09:37	BS-3	Set 2	Ebb	2.1	1	Pacific Herring
2025-06-26	10:18	10:22	BS-5	Set 1	Ebb	1.42	3	Pacific Herring, Fluffy Sculpin, Coho Salmon
2025-06-26	10:23	10:31	BS-5	Set 2	Ebb	1.37	1	Coho Salmon
2025-06-26	10:23		BS-5	Set 2	Ebb	1.37	2	Coho Salmon, Fluffy Sculpin
2025-07-09	08:01	08:06	BS-4	Set 1	Ebb	2.32	0	
2025-07-09	08:08	08:17	BS-4	Set 2	Ebb	2.18	4	Shiner Perch, Coho Salmon, Three Spine Stickleback, Chinook Salmon
2025-07-09	09:34	09:43	BS-1	Set 1	Ebb	1.42	2	Shiner Perch, Coho Salmon
2025-07-09	09:45	09:52	BS-1	Set 2	Ebb	1.3	4	Sculpin Species, Coho Salmon, Fluffy Sculpin, Chinook Salmon
2025-07-09	10:31	10:49	BS-SR	Set 1	Ebb	1	2	Chinook Salmon, Coho Salmon
2025-07-09	10:53	11:00	BS-SR	Set 2	Ebb	0.87	1	Chinook Salmon
2025-07-09	10:53	11:00	BS-SR	Set 2			1	Chinook Salmon

Date	Set Net Start Time	Set Net End Time	Site ID	Set (Count)	Ebb / Flood Tide	Tide Height (m)	Total Unique Species Caught	Notes / Unique Species
2025-07-09	11:31	11:31	BS-AR	Set 1	Flood	0.77	4	Chinook Salmon, Coho Salmon, Prickly Sculpin, Fluffy Sculpin
2025-07-09	11:48	11:56	BS-AR	Set 2	Flood	0.79	3	Coho Salmon, Chinook Salmon, Pacific Herring
2025-07-10	07:45	07:51	BS-NR	Set 1	Ebb	2.93	5	Pacific Herring, Coho Salmon, Chinook Salmon, Northern Anchovy, Sculpin Species
2025-07-10	07:52	08:04	BS-NR	Set 2	Ebb	2.79	2	Pacific Herring, Chinook Salmon
2025-07-10	08:45	08:49	BS-2	Set 1	Ebb	2.44	1	Sculpin Species
2025-07-10	08:54	09:00	BS-2	Set 2	Ebb	2.22	4	Coho Salmon, Starry Flounder, Chinook Salmon, Sculpin Species
2025-07-10	09:26	09:30	BS-3	Set 1	Ebb	1.85	7	Coho Salmon, Three Spine Stickleback, Starry Flounder, Chinook Salmon, Shiner Perch, Sculpin Species, Prickly Sculpin
2025-07-10	09:39	09:46	BS-3	Set 2	Ebb	1.69	3	Coho Salmon, Chinook Salmon, Three Spine Stickleback
2025-07-10	10:42	10:48	BS-5	Set 1	Ebb	1.09	5	Starry Flounder, Striped Perch, Shiner Perch, Coho Salmon, Slender Cockscomb (Anoplarchus insignis)
2025-07-10	10:54	11:00	BS-5	Set 2	Ebb	0.95	7	Chinook Salmon, Coastrange Sculpin, Prickly Sculpin, Fluffy Sculpin, Shiner Perch, Sculpin Species, Starry Flounder
2025-07-23	08:26	08:39	BS-NR	Set 1	Ebb	1.58	6	Coho Salmon, Chinook Salmon, Starry Flounder, Shiner Perch, Prickly Sculpin, Sculpin Species
2025-07-23	08:40	08:56	BS-NR	Set 2	Ebb	1.21	9	Coho Salmon, Shiner Perch, Chinook Salmon, Pacific Herring, Sculpin Species, Prickly Sculpin, Three Spine Stickleback, Starry Flounder, Larvae - herring or anchovies (2)
2025-07-23	09:58	10:05	BS-AR	Set 1	Ebb	0.64	1	Chinook Salmon

Date	Set Net Start Time	Set Net End Time	Site ID	Set (Count)	Ebb / Flood Tide	Tide Height (m)	Total Unique Species Caught	Notes / Unique Species
2025-07-23	10:05	10:20	BS-AR	Set 2	Ebb	0.45	2	Sculpin Species, Larvae species (potential anchovy)
2025-07-23	10:15	10:15	BS-5	Set 1	Ebb	0	0	
2025-07-23	10:17	10:17	BS-SR	Set 1	Ebb	0	0	
2025-07-23	10:51	11:00	BS-3	Set 1	Ebb	0.34	3	Coho Salmon, Three Spine Stickleback, Starry Flounder
2025-07-23	11:03	11:09	BS-3	Set 2	Flood	0.33	1	Coastrange Sculpin
2025-09-05			BS-2	Set 1				
2025-09-15	10:12	10:12	BS-1	Set 1	Ebb	0	0	
2025-09-15	10:14	10:14	BS-4	Set 1	Ebb	0	0	
2025-09-15	12:00	00:00	BS-3	Set 1	Ebb	2.75	0	

Table 1b: Individual measurements of raw beach seine data

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-02-20	BS-1	Set 1	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1	0.8	42	Total Length
2025-02-20	BS-1	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1	0.5	31	Total Length
2025-02-20	BS-1	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1	0.5	45	Total Length
2025-02-20	BS-1	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1	1.7	43	Total Length
2025-02-20	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	6	35	Fork Length
2025-02-20	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	3.7	33	Fork Length
2025-02-20	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	2.75	37	Fork Length
2025-02-20	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	36	Fork Length
2025-02-20	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	36	Fork Length
2025-02-20	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	35	Fork Length
2025-02-20	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	34	Fork Length
2025-02-20	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.46	36	Fork Length
2025-02-20	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	33	Fork Length
2025-02-20	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	36	Fork Length
2025-02-20	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.33	37	Fork Length
2025-02-20	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.79	35	Fork Length
2025-02-20	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.66	38	Fork Length
2025-02-20	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.34	36	Fork Length
2025-02-20	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.39	37	Fork Length
2025-02-20	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.35	36	Fork Length
2025-02-20	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.44	35	Fork Length
2025-02-20	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.49	40	Fork Length
2025-02-20	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.58	36	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-02-20	BS-SR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Juvenile	1		27	Total Length
2025-02-20	BS-SR	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	1.5	42	Total Length
2025-02-21	BS-5	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Juvenile	1		26	Total Length
2025-02-21	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	37	Fork Length
2025-02-21	BS-5	Set 2	Kelp Greenling	*Hexagrammos decagrammus*	Adult	1	2.5	32	Total Length
2025-03-05	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.59	36	Fork Length
2025-03-05	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.17	33	Fork Length
2025-03-05	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.41	38	Fork Length
2025-03-05	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.37	36	Fork Length
2025-03-05	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.37	36	Fork Length
2025-03-05	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.48	39	Fork Length
2025-03-05	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.41	38	Fork Length
2025-03-05	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.54	36	Fork Length
2025-03-05	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.43	41	Fork Length
2025-03-05	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.49	39	Fork Length
2025-03-05	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.36	39	Fork Length
2025-03-05	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	24	0	0	-
2025-03-05	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.39	34	Fork Length
2025-03-05	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.41	36	Fork Length
2025-03-05	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.79	40	Fork Length
2025-03-05	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	1.01	38	Fork Length
2025-03-05	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.61	35	Fork Length
2025-03-05	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.51	38	Fork Length
2025-03-05	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.31	35	Fork Length
2025-03-05	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.47	39	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-03-05	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.3	39	Fork Length
2025-03-05	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.31	38	Fork Length
2025-03-05	BS-AR	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Adult	1	1.55	51	Total Length
2025-03-05	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	91	0	0	-
2025-03-05	BS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Larva / Fry	1	0.64	35	Total Length
2025-03-05	BS-NR	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Adult	1	1.3	46	Total Length
2025-03-05	BS-NR	Set 2	Saddleback Gunnel	*Pholis ornata*	Juvenile	1	4.1	90	Total Length
2025-03-05	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.45	36	Fork Length
2025-03-05	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.45	34	Fork Length
2025-03-05	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.49	35	Fork Length
2025-03-06	BS-1	Set 1	Coastrange Sculpin	*Cottus aleuticus*	Adult	1	0.7	39	Total Length
2025-03-06	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	40	Fork Length
2025-03-06	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.4	39	Fork Length
2025-03-06	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.44	35	Fork Length
2025-03-06	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.46	40	Fork Length
2025-03-06	BS-5	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Adult	1	3.9	45	Total Length
2025-03-19	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	34	Fork Length
2025-03-19	BS-1	Set 2	Staghorn Sculpin	*Leptocottus armatus*	Adult	1	115.3	175	Total Length
2025-03-19	BS-1	Set 2	Gunnel Species	*Family Pholidae*	Adult	1	7.2	125	Total Length
2025-03-19	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	34	Fork Length
2025-03-19	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	37	Fork Length
2025-03-19	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	35	Fork Length
2025-03-19	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	34	Fork Length
2025-03-19	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	37	Fork Length
2025-03-19	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	37	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-03-19	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	35	Fork Length
2025-03-19	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.4	35	Fork Length
2025-03-19	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	36	Fork Length
2025-03-19	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	40	Fork Length
2025-03-19	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	36	Fork Length
2025-03-19	BS-1	Set 2	Prickly Sculpin	*Cottus asper*	Juvenile	1	0.8	35	Total Length
2025-03-19	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	64	0	0	-
2025-03-19	BS-5	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.15	34	Fork Length
2025-03-19	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.02	35	Fork Length
2025-03-19	BS-SR	Set 1	Coastrange Sculpin	*Cottus aleuticus*	Juvenile	1	0.04	41	Total Length
2025-03-19	BS-SR	Set 2	Prickly Sculpin	*Cottus asper*	Larva / Fry	1	1.1	41	Total Length
2025-03-19	BS-SR	Set 2	Prickly Sculpin	*Cottus asper*	Juvenile	1	1.7	51	Total Length
2025-03-19	BS-SR	Set 2	Prickly Sculpin	*Cottus asper*	Juvenile	1	1.1	45	Total Length
2025-03-19	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	36	Fork Length
2025-03-19	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	40	Fork Length
2025-03-19	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	38	Fork Length
2025-03-19	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	35	Fork Length
2025-03-19	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	36	Fork Length
2025-03-19	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	36	Fork Length
2025-03-19	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	36	Fork Length
2025-03-19	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	35	Fork Length
2025-03-19	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	35	Fork Length
2025-03-19	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	39	Fork Length
2025-03-19	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	7	0	0	-
2025-03-19	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	102	0	0	-

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-03-20	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	37	Fork Length
2025-03-20	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	38	Fork Length
2025-03-20	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	35	Fork Length
2025-03-20	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	40	Fork Length
2025-03-20	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	33	Fork Length
2025-03-20	BS-3	Set 1	Prickly Sculpin	*Cottus asper*	Juvenile	1	2.6	60	Total Length
2025-03-20	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	45	Fork Length
2025-03-20	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	38	Fork Length
2025-03-20	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	40	Fork Length
2025-03-20	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	39	Fork Length
2025-03-20	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	36	Fork Length
2025-03-20	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	38	Fork Length
2025-03-20	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	34	Fork Length
2025-03-20	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	36	Fork Length
2025-03-20	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	39	Fork Length
2025-03-20	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	37	Fork Length
2025-03-20	BS-3	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Juvenile	1	0.5	31	Total Length
2025-03-20	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	13	0	0	-
2025-04-02	BS-1	Set 1	Coastrange Sculpin	*Cottus aleuticus*	Juvenile	1	0.6	38	Total Length
2025-04-02	BS-1	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	1	42	Total Length
2025-04-02	BS-1	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	3.9	75	Fork Length
2025-04-02	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	35	Fork Length
2025-04-02	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	34	Fork Length
2025-04-02	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	36	Fork Length
2025-04-02	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	34	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-04-02	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.4	34	Fork Length
2025-04-02	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.4	35	Fork Length
2025-04-02	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.4	36	Fork Length
2025-04-02	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	34	Fork Length
2025-04-02	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.4	35	Fork Length
2025-04-02	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.4	36	Fork Length
2025-04-02	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.4	36	Fork Length
2025-04-02	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.3	35	Fork Length
2025-04-02	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.4	35	Fork Length
2025-04-02	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	34	Fork Length
2025-04-02	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	38	Fork Length
2025-04-02	BS-1	Set 2	Coastrange Sculpin	*Cottus aleuticus*	Juvenile	1	0.8	33	Total Length
2025-04-02	BS-1	Set 2	Coastrange Sculpin	*Cottus aleuticus*	Juvenile	1	1.3	39	Total Length
2025-04-02	BS-1	Set 2	Coastrange Sculpin	*Cottus aleuticus*	Juvenile	1	1.3	40	Total Length
2025-04-02	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	61	0	0	-
2025-04-02	BS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-02	BS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-02	BS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		37	Fork Length
2025-04-02	BS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		34	Fork Length
2025-04-02	BS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		34	Fork Length
2025-04-02	BS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-02	BS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-04-02	BS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		33	Fork Length
2025-04-02	BS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		34	Fork Length
2025-04-02	BS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-04-02	BS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-04-02	BS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		42	Fork Length
2025-04-02	BS-NR	Set 1	Pink Salmon	*Oncorhynchus gorbuscha*	Larva / Fry	1		34	Fork Length
2025-04-02	BS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-04-02	BS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-02	BS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-02	BS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Juvenile	1		45	Total Length
2025-04-02	BS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	81	0	0	-
2025-04-02	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	38	Fork Length
2025-04-02	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	1	38	Fork Length
2025-04-02	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.9	37	Fork Length
2025-04-02	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	38	Fork Length
2025-04-02	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		42	Fork Length
2025-04-02	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	37	Fork Length
2025-04-02	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	39	Fork Length
2025-04-02	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	37	Fork Length
2025-04-02	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	39	Fork Length
2025-04-02	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	35	Fork Length
2025-04-02	BS-SR	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	0.5	45	Total Length
2025-04-02	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	268	0	0	-
2025-04-02	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	4	0	0	-
2025-04-02	BS-SR	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	1.3	46	Total Length
2025-04-02	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	43	Fork Length
2025-04-02	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	37	Fork Length
2025-04-02	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	36	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-04-02	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	34	Fork Length
2025-04-02	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	36	Fork Length
2025-04-03	BS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	38	Fork Length
2025-04-03	BS-2	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	37	Fork Length
2025-04-03	BS-2	Set 2	Coastrange Sculpin	*Cottus aleuticus*	Larva / Fry	1	6.3	80	Total Length
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	37	Fork Length
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	38	Fork Length
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	37	Fork Length
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	34	Fork Length
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	37	Fork Length
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	36	Fork Length
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	36	Fork Length
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	38	Fork Length
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	35	Fork Length
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	39	Fork Length
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	40	Fork Length
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	39	Fork Length
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	41	Fork Length
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	35	Fork Length
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	37	Fork Length
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	37	Fork Length
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	37	Fork Length
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	38	Fork Length
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	38	Fork Length
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	36	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-04-03	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	7	0	0	-
2025-04-03	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	38	Fork Length
2025-04-03	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	37	Fork Length
2025-04-03	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	40	Fork Length
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	40	Fork Length
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	40	Fork Length
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	35	Fork Length
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	36	Fork Length
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	37	Fork Length
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	37	Fork Length
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	37	Fork Length
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	33	Fork Length
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	37	Fork Length
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	41	Fork Length
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	36	Fork Length
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	38	Fork Length
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	36	Fork Length
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	36	Fork Length
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	36	Fork Length
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	36	Fork Length
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	38	Fork Length
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	35	Fork Length
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	33	Fork Length
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	34	Fork Length
2025-04-03	BS-AR	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	1.9	50	Total Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-04-03	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	26	0	0	-
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		43	
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	36	Fork Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	1.1	46	Fork Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	37	Fork Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	39	Fork Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.9	42	Fork Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.9	37	Fork Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	39	Fork Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.9	38	Fork Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.4	36	Fork Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		34	Fork Length
2025-04-16	BS-1	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	2.6	48	Fork Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	35	Fork Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	2.3	55	Fork Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.4	55	Fork Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			Fork Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			Fork Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			Fork Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			Fork Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			Fork Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			Fork Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			Fork Length
2025-04-16	BS-1	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Larva / Fry	1			Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			Fork Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			Fork Length
2025-04-16	BS-1	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		13	Total Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			
2025-04-16	BS-1	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		18	Total Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			
2025-04-16	BS-1	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		16	Total Length
2025-04-16	BS-1	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		17	Total Length
2025-04-16	BS-1	Set 1	Coastrange Sculpin	*Cottus aleuticus*	Juvenile	1	2	39	Total Length
2025-04-16	BS-1	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		13	Total Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			
2025-04-16	BS-1	Set 1	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		14	Total Length
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry		0	0	-
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	8	0	0	-
2025-04-16	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	527	0	0	-
2025-04-16	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.6	56	Fork Length
2025-04-16	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.2	51	Fork Length
2025-04-16	BS-1	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Larva / Fry	1	0.8	44	Fork Length
2025-04-16	BS-1	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1	0.7	48	Total Length
2025-04-16	BS-1	Set 2	Coastrange Sculpin	*Cottus aleuticus*	Juvenile	1	0.7	33	Total Length
2025-04-16	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	2.2	60	Fork Length
2025-04-16	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.3	54	Fork Length
2025-04-16	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.8	59	Fork Length
2025-04-16	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	38	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-04-16	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	40	Fork Length
2025-04-16	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	37	Fork Length
2025-04-16	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	39	Fork Length
2025-04-16	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	36	Fork Length
2025-04-16	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	35	Fork Length
2025-04-16	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	34	Fork Length
2025-04-16	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	36	Fork Length
2025-04-16	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	42	Fork Length
2025-04-16	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	34	Fork Length
2025-04-16	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	88	0	0	-
2025-04-16	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	3	0	0	-
2025-04-16	BS-5	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	1.3	35	Fork Length
2025-04-16	BS-5	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	36	Fork Length
2025-04-16	BS-5	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	2.2	53	Total Length
2025-04-16	BS-5	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	37	Fork Length
2025-04-16	BS-5	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1	1.2	45	Total Length
2025-04-16	BS-5	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Larva / Fry	1	0.9	41	Fork Length
2025-04-16	BS-5	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	41	Fork Length
2025-04-16	BS-5	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	35	Fork Length
2025-04-16	BS-5	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	1.1	45	Fork Length
2025-04-16	BS-5	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Larva / Fry	1		15	Total Length
2025-04-16	BS-5	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	42	Fork Length
2025-04-16	BS-5	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	34	Fork Length
2025-04-16	BS-5	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	34	Fork Length
2025-04-16	BS-5	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Larva / Fry	1	0.8	38	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-04-16	BS-5	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	37	Fork Length
2025-04-16	BS-5	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-04-16	BS-5	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Larva / Fry	1	0.7	41	Fork Length
2025-04-16	BS-5	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Larva / Fry	1		13	Total Length
2025-04-16	BS-5	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			
2025-04-16	BS-5	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		43	Fork Length
2025-04-16	BS-5	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			
2025-04-16	BS-5	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	4	0	0	-
2025-04-16	BS-5	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	373	0	0	-
2025-04-16	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	36	Fork Length
2025-04-16	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	2.4	59	Fork Length
2025-04-16	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	38	Fork Length
2025-04-16	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	39	Fork Length
2025-04-16	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Larva / Fry	1	1.5	43	Fork Length
2025-04-16	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-16	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	36	Fork Length
2025-04-16	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	36	Fork Length
2025-04-16	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	36	Fork Length
2025-04-16	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	3000	0	0	-
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		34	Fork Length
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		37	Fork Length
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		40	Fork Length
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		40	Fork Length
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		40	Fork Length
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		40	Fork Length
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-04-17	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Larva / Fry	1		43	Fork Length
2025-04-17	BS-NR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		13	Total Length
2025-04-17	BS-NR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		14	Total Length
2025-04-17	BS-NR	Set 2	Pacific Herring	*Clupea pallasii*	Larva / Fry	1		30	Fork Length
2025-04-17	BS-NR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		11	Total Length
2025-04-17	BS-NR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		10	Total Length
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	3	0	0	-
2025-04-17	BS-NR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	8	0	0	-
2025-04-17	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	275	0	0	-
2025-04-17	BS-SR	Set 1	Shiner Perch	*Cymatogaster aggregata*	Adult	1	62	159	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-04-17	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.4	39	Fork Length
2025-04-17	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	39	Fork Length
2025-04-17	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	36	Fork Length
2025-04-17	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	34	Fork Length
2025-04-17	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	36	Fork Length
2025-04-17	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	35	Fork Length
2025-04-17	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	37	Fork Length
2025-04-17	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	35	Fork Length
2025-04-17	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	39	Fork Length
2025-04-17	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	34	Fork Length
2025-04-17	BS-SR	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		15	Total Length
2025-04-17	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	34	Fork Length
2025-04-17	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	36	Fork Length
2025-04-17	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.4	32	Fork Length
2025-04-17	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	41	Fork Length
2025-04-17	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	35	Fork Length
2025-04-17	BS-SR	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		14	Total Length
2025-04-17	BS-SR	Set 1	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		13	Total Length
2025-04-17	BS-SR	Set 1	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		10	Total Length
2025-04-17	BS-SR	Set 1	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		10	Total Length
2025-04-17	BS-SR	Set 1	Pacific Herring	*Clupea pallasii*	Larva / Fry	33	0	0	-
2025-04-17	BS-SR	Set 1	Sculpin Species	*Superfamily Cottoidea*	Juvenile	11	0	0	-
2025-04-17	BS-SR	Set 1	Pacific Herring	*Clupea pallasii*	Larva / Fry	2	0	0	-
2025-04-17	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	2	0	0	-
2025-04-17	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	98	0	0	-

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-04-17	BS-SR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	21	0	0	-
2025-04-17	BS-SR	Set 2	Pacific Herring	*Clupea pallasii*	Larva / Fry	8	0	0	-
2025-04-17	BS-SR	Set 2	Pacific Herring	*Clupea pallasii*	Larva / Fry	3	0	0	-
2025-04-30	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			
2025-04-30	BS-1	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	3.1	77	Fork Length
2025-04-30	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.9	46	Fork Length
2025-04-30	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	35	Fork Length
2025-04-30	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.9	55	Fork Length
2025-04-30	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	38	Fork Length
2025-04-30	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	37	Fork Length
2025-04-30	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	38	Fork Length
2025-04-30	BS-1	Set 1	Tidepool Sculpin	*Oligocottus maculosus*	Juvenile	1	3	55	Total Length
2025-04-30	BS-1	Set 1	Coastrange Sculpin	*Cottus aleuticus*	Juvenile	1	0.9	35	Total Length
2025-04-30	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.9	40	Fork Length
2025-04-30	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	34	Fork Length
2025-04-30	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.9	44	Fork Length
2025-04-30	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	43	Fork Length
2025-04-30	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	36	Fork Length
2025-04-30	BS-1	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		23	Total Length
2025-04-30	BS-1	Set 1	Tidepool Sculpin	*Oligocottus maculosus*	Adult	1	5.3	75	Total Length
2025-04-30	BS-1	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	5.6	82	Fork Length
2025-04-30	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			
2025-04-30	BS-1	Set 1	Coastrange Sculpin	*Cottus aleuticus*	Juvenile	1	1.8	33	Total Length
2025-04-30	BS-1	Set 1	Sculpin Species	*Superfamily Cottoidea*	Larva / Fry	1		11	Total Length
2025-04-30	BS-1	Set 1	Coastrange Sculpin	*Cottus aleuticus*	Larva / Fry	1		38	Total Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-04-30	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	77	0	0	-
2025-04-30	BS-1	Set 1	Sculpin Species	*Superfamily Cottoidea*	Larva / Fry	2	0	0	-
2025-04-30	BS-1	Set 1	Pacific Herring	*Clupea pallasii*	Larva / Fry	2	0	0	-
2025-04-30	BS-1	Set 1	Pacific Herring	*Clupea pallasii*	Larva / Fry	2	0	0	-
2025-04-30	BS-1	Set 2	Tidepool Sculpin	*Oligocottus maculosus*	Juvenile	1	1.3	50	Total Length
2025-04-30	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	45	Fork Length
2025-04-30	BS-1	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1	0.8	31	Total Length
2025-04-30	BS-1	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		25	Total Length
2025-04-30	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	42	Fork Length
2025-04-30	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	42	Fork Length
2025-04-30	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	40	Fork Length
2025-04-30	BS-1	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	1.9	50	Total Length
2025-04-30	BS-1	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		16	Total Length
2025-04-30	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.9	39	Fork Length
2025-04-30	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	40	Fork Length
2025-04-30	BS-3	Set 1	Coastrange Sculpin	*Cottus aleuticus*	Juvenile	1	0.8	36	Total Length
2025-04-30	BS-3	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1	1.1	51	Total Length
2025-04-30	BS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	36	Fork Length
2025-04-30	BS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	35	Fork Length
2025-04-30	BS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	36	Fork Length
2025-04-30	BS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	35	Fork Length
2025-04-30	BS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	37	Fork Length
2025-04-30	BS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	34	Fork Length
2025-04-30	BS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	35	Fork Length
2025-04-30	BS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	37	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-04-30	BS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	36	Fork Length
2025-04-30	BS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	38	Fork Length
2025-04-30	BS-3	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Larva / Fry	1	0.6	38	Fork Length
2025-04-30	BS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	32	0	0	-
2025-04-30	BS-3	Set 2	Pacific Herring	*Clupea pallasii*	Larva / Fry	6	0	0	-
2025-04-30	BS-4	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	36	Fork Length
2025-04-30	BS-4	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	32	Fork Length
2025-04-30	BS-4	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	33	Fork Length
2025-04-30	BS-4	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	35	Fork Length
2025-04-30	BS-4	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	33	Fork Length
2025-04-30	BS-4	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	32	Fork Length
2025-04-30	BS-4	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	35	Fork Length
2025-04-30	BS-4	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	41	Fork Length
2025-04-30	BS-4	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	30	Fork Length
2025-04-30	BS-4	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		35	Fork Length
2025-04-30	BS-4	Set 1	Pacific Herring	*Clupea pallasii*	Larva / Fry	5	0	0	-
2025-04-30	BS-4	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	9	0	0	-
2025-04-30	BS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	31	Fork Length
2025-04-30	BS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	33	Fork Length
2025-04-30	BS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	34	Fork Length
2025-04-30	BS-4	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1	1.8	58	Total Length
2025-04-30	BS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	32	Fork Length
2025-04-30	BS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	39	Fork Length
2025-04-30	BS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	1.2	44	Fork Length
2025-04-30	BS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	31	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-04-30	BS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	33	Fork Length
2025-04-30	BS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.9	47	Fork Length
2025-04-30	BS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	37	Fork Length
2025-04-30	BS-4	Set 2	Sculpin Species	*Superfamily Cottoidea*	Larva / Fry	1		12	Total Length
2025-04-30	BS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	5	0	0	-
2025-04-30	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	9.4	113	Fork Length
2025-04-30	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		95	Fork Length
2025-04-30	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	7.3	110	Fork Length
2025-04-30	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.9	37	Fork Length
2025-04-30	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	36	Fork Length
2025-04-30	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	4.5	80	Fork Length
2025-04-30	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	3.1	90	Fork Length
2025-04-30	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	35	Fork Length
2025-04-30	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	14.7	115	Fork Length
2025-04-30	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.9	34	Fork Length
2025-04-30	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	16.3	115	Fork Length
2025-04-30	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	35	Fork Length
2025-04-30	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	7.5	110	Fork Length
2025-04-30	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-04-30	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	7.3	88	Fork Length
2025-04-30	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	9.4	95	Fork Length
2025-04-30	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	9.4	88	Fork Length
2025-04-30	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	7.4	95	Fork Length
2025-04-30	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	11.5	110	Fork Length
2025-04-30	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	9.2	105	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-04-30	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	8.4	103	Fork Length
2025-04-30	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	9.3	95	Fork Length
2025-04-30	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	10	90	Fork Length
2025-04-30	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	10.1	95	Fork Length
2025-04-30	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	11.5	100	Fork Length
2025-04-30	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.9	38	Fork Length
2025-04-30	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	9.6	101	Fork Length
2025-04-30	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	1.1	35	Fork Length
2025-04-30	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	34	Fork Length
2025-04-30	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.6	34	Fork Length
2025-04-30	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	35	Fork Length
2025-04-30	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	89	0	0	-
2025-04-30	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	14	0	0	-
2025-04-30	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	4	0	0	-
2025-04-30	BS-AR	Set 2	Pacific Herring	*Clupea pallasii*	Larva / Fry	1			Fork Length
2025-05-01	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.4	35	Fork Length
2025-05-01	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	45	Fork Length
2025-05-01	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	36	Fork Length
2025-05-01	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	1.3	36	Fork Length
2025-05-01	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	49	Fork Length
2025-05-01	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	42	Fork Length
2025-05-01	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	46	Fork Length
2025-05-01	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.8	39	Fork Length
2025-05-01	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	33	Fork Length
2025-05-01	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.7	38	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-05-01	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			Fork Length
2025-05-01	BS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	55	0	0	-
2025-05-01	BS-5	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	0.5	42	Fork Length
2025-05-01	BS-NR	Set 1	Pacific Herring	*Clupea pallasii*	Larva / Fry	5	0	0	-
2025-05-01	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	6.5	87	Fork Length
2025-05-01	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.1	73	Fork Length
2025-05-01	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	9.3	96	Fork Length
2025-05-01	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	6.7	80	Fork Length
2025-05-01	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.9	81	Fork Length
2025-05-01	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.8	63	Fork Length
2025-05-01	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.4	84	Fork Length
2025-05-01	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	1.2	58	Fork Length
2025-05-01	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.8	56	Fork Length
2025-05-01	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	5.5	83	Fork Length
2025-05-01	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	3.5	56	Fork Length
2025-05-01	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	5.8	92	Fork Length
2025-05-01	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.8	55	Fork Length
2025-05-01	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	3.5	72	Fork Length
2025-05-01	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		78	Fork Length
2025-05-01	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	18.6	118	Fork Length
2025-05-01	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.7	65	Fork Length
2025-05-01	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.5	72	Fork Length
2025-05-01	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.9	72	Fork Length
2025-05-01	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	4.5	84	Fork Length
2025-05-01	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	6.8	84	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-05-01	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.9	71	Fork Length
2025-05-01	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		64	Fork Length
2025-05-01	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.3	88	Fork Length
2025-05-01	BS-NR	Set 2	Cutthroat Trout	*Oncorhynchus clarkii*	Juvenile	1	29.6	152	Fork Length
2025-05-01	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.1	56	Fork Length
2025-05-01	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.6	61	Fork Length
2025-05-01	BS-NR	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1	1.3	47	Total Length
2025-05-01	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.9	66	Fork Length
2025-05-01	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.2	66	Fork Length
2025-05-01	BS-NR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		16	Total Length
2025-05-01	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	51	0	0	-
2025-05-01	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	0	0	-
2025-05-01	BS-SR	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		21	Total Length
2025-05-01	BS-SR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1	1.6	52	Total Length
2025-05-01	BS-SR	Set 1	Pacific Herring	*Clupea pallasii*	Larva / Fry	300	0	0	-
2025-05-01	BS-SR	Set 2	Coastrange Sculpin	*Cottus aleuticus*	Adult	1	2.9	55	Total Length
2025-05-01	BS-SR	Set 2	Coastrange Sculpin	*Cottus aleuticus*	Adult	1	2.6	67	Total Length
2025-05-01	BS-SR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		10	Total Length
2025-05-14	BS-2	Set 1	Coastrange Sculpin	*Cottus aleuticus*	Adult	1	4.6	77	Total Length
2025-05-14	BS-5	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Adult	1	3.1	65	Total Length
2025-05-14	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	4.2	74	Fork Length
2025-05-14	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	2.7	54	Fork Length
2025-05-14	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	6.9	83	Fork Length
2025-05-14	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	3.2	77	Fork Length
2025-05-14	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4	73	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-05-14	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	4.2	74	Fork Length
2025-05-14	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5	78	Fork Length
2025-05-14	BS-AR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	3.8	72	Fork Length
2025-05-14	BS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	4.1	76	Fork Length
2025-05-14	BS-AR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	6.1	82	Fork Length
2025-05-14	BS-AR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.2	68	Fork Length
2025-05-15	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.4	79	Fork Length
2025-05-15	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.2	77	Fork Length
2025-05-15	BS-4	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	37	Fork Length
2025-05-15	BS-NR	Set 1	Coastrange Sculpin	*Cottus aleuticus*	Adult	1		71	Total Length
2025-05-15	BS-NR	Set 1	Pacific Herring	*Clupea pallasii*	Larva / Fry	14	0	0	-
2025-05-15	BS-NR	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		53	Total Length
2025-05-15	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		32	Fork Length
2025-05-15	BS-NR	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		55	Total Length
2025-05-15	BS-SR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	9	95	Fork Length
2025-05-15	BS-SR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.86	83	Fork Length
2025-05-15	BS-SR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	6	82	Fork Length
2025-05-15	BS-SR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.8	80	Fork Length
2025-05-15	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-05-15	BS-SR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	5.6	80	Fork Length
2025-05-15	BS-SR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	6.6	83	Fork Length
2025-05-15	BS-SR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	91	90	Fork Length
2025-05-15	BS-SR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	11.7	91	Fork Length
2025-05-15	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.4	37	Fork Length
2025-05-15	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.4	40	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-05-15	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.4	39	Fork Length
2025-05-15	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	44	Fork Length
2025-05-15	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.4	40	Fork Length
2025-05-15	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.4	34	Fork Length
2025-05-15	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.3	34	Fork Length
2025-05-15	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.4	37	Fork Length
2025-05-15	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.4	37	Fork Length
2025-05-28	BS-1	Set 1	Cutthroat Trout	*Oncorhynchus clarkii*	Juvenile	1	39.6	144	Fork Length
2025-05-28	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.2	49	Fork Length
2025-05-28	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.1	51	Fork Length
2025-05-28	BS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.4	56	Fork Length
2025-05-28	BS-1	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.1	76	Fork Length
2025-05-28	BS-1	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.6	86	Fork Length
2025-05-28	BS-1	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.6	82	Fork Length
2025-05-28	BS-1	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.6	78	Fork Length
2025-05-28	BS-1	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.6	77	Fork Length
2025-05-28	BS-1	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	8.6	91	Fork Length
2025-05-28	BS-1	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.2	76	Fork Length
2025-05-28	BS-1	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.1	77	Fork Length
2025-05-28	BS-1	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	5.8	81	Fork Length
2025-05-28	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.5	51	Fork Length
2025-05-28	BS-1	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4	76	Fork Length
2025-05-28	BS-1	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.7	78	Fork Length
2025-05-28	BS-1	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.8	79	Fork Length
2025-05-28	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	1.1	48	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-05-28	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	0.5	37	Fork Length
2025-05-28	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	0.6	48	Fork Length
2025-05-28	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	3	74	Fork Length
2025-05-28	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1	54	Fork Length
2025-05-28	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		54	Fork Length
2025-05-28	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	0.8	51	Fork Length
2025-05-28	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.3	60	Fork Length
2025-05-28	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	0.7	48	Fork Length
2025-05-28	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	6.5	86	Fork Length
2025-05-28	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	6	81	Fork Length
2025-05-28	BS-AR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	6	82	Fork Length
2025-05-28	BS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	4	78	Fork Length
2025-05-28	BS-NR	Set 1	Bay Pipefish	*Syngnathus leptorhynchus*	Juvenile	1		156	Total Length
2025-05-28	BS-NR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		81	Fork Length
2025-05-28	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		96	Fork Length
2025-05-28	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		196	Fork Length
2025-05-28	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		96	Fork Length
2025-05-28	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		86	Fork Length
2025-05-28	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		93	Fork Length
2025-05-28	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		103	Fork Length
2025-05-28	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		92	Fork Length
2025-05-28	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		118	Fork Length
2025-05-28	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		73	Fork Length
2025-05-28	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		103	Fork Length
2025-05-28	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		91	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-05-28	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		119	Fork Length
2025-05-28	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		102	Fork Length
2025-05-28	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		102	Fork Length
2025-05-28	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		74	Fork Length
2025-05-28	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		63	
2025-05-28	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		89	Fork Length
2025-05-28	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		106	Fork Length
2025-05-28	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		103	Fork Length
2025-05-28	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		73	Fork Length
2025-05-28	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		76	Fork Length
2025-05-28	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		54	Fork Length
2025-05-28	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		54	Fork Length
2025-05-28	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		59	Fork Length
2025-05-28	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	61	0	0	-
2025-05-28	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	3	0	0	-
2025-05-28	BS-SR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.3	87	Fork Length
2025-05-28	BS-SR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.8	71	Fork Length
2025-05-28	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	2.4	61	Fork Length
2025-05-28	BS-SR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	12.7	103	
2025-05-28	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.4	58	Fork Length
2025-05-28	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	4.1	74	Fork Length
2025-05-28	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.1	64	Fork Length
2025-05-28	BS-SR	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.8	63	Fork Length
2025-05-28	BS-SR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	6	86	Fork Length
2025-05-28	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.8	56	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-05-28	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	0.8	53	Fork Length
2025-05-28	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.4	51	Fork Length
2025-05-28	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	2.2	56	Fork Length
2025-05-28	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.9	54	Fork Length
2025-05-28	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.5	54	Fork Length
2025-05-28	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.6	46	Fork Length
2025-05-28	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.6	56	Fork Length
2025-05-28	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.6	59	Fork Length
2025-05-28	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.2	49	Fork Length
2025-05-28	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.3	56	Fork Length
2025-05-28	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	3.4	73	Fork Length
2025-05-28	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1	1.3	36	Fork Length
2025-05-28	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.3	62	Fork Length
2025-05-28	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.4	56	Fork Length
2025-05-28	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	1.8	63	Fork Length
2025-05-28	BS-SR	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Adult	1	2.7	65	Total Length
2025-05-28	BS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	41	0	0	-
2025-05-29	BS-4	Set 2	Plainfin midshipman		Juvenile	1		150	Total Length
2025-05-29	BS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		58	Fork Length
2025-05-29	BS-5	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		55	Fork Length
2025-05-29	BS-5	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		30	Total Length
2025-05-29	BS-5	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		51	Fork Length
2025-05-29	BS-5	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Larva / Fry	1		31	Fork Length
2025-05-29	BS-5	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Larva / Fry	1		35	Fork Length
2025-05-29	BS-5	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Larva / Fry	1		37	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-05-29	BS-5	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		23	
2025-05-29	BS-5	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		23	Total Length
2025-06-10	BS-3	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		32	Total Length
2025-06-10	BS-3	Set 1	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		51	Total Length
2025-06-10	BS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		63	Fork Length
2025-06-10	BS-3	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		86	Fork Length
2025-06-10	BS-3	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		76	Fork Length
2025-06-10	BS-3	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		33	Total Length
2025-06-10	BS-3	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		32	Total Length
2025-06-10	BS-4	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		57	Fork Length
2025-06-10	BS-4	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		61	Fork Length
2025-06-10	BS-4	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		74	Fork Length
2025-06-10	BS-4	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		41	Fork Length
2025-06-10	BS-4	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		63	Fork Length
2025-06-10	BS-4	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		61	Fork Length
2025-06-10	BS-4	Set 2	Shiner Perch	*Cymatogaster aggregata*	Juvenile	1		85	Fork Length
2025-06-10	BS-4	Set 2	Shiner Perch	*Cymatogaster aggregata*	Juvenile	1		79	Fork Length
2025-06-10	BS-4	Set 2	Shiner Perch	*Cymatogaster aggregata*	Juvenile	1		83	Fork Length
2025-06-10	BS-4	Set 2	Shiner Perch	*Cymatogaster aggregata*	Juvenile	1		75	Fork Length
2025-06-10	BS-4	Set 2	Shiner Perch	*Cymatogaster aggregata*	Juvenile	1		80	Fork Length
2025-06-10	BS-4	Set 2	Shiner Perch	*Cymatogaster aggregata*	Juvenile	1		75	Fork Length
2025-06-10	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		96	Fork Length
2025-06-10	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	4.5	71	Fork Length
2025-06-10	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.3	79	Fork Length
2025-06-10	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	10.75	98	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-06-10	BS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1	7.5	71	Fork Length
2025-06-10	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		96	Fork Length
2025-06-10	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		69	Fork Length
2025-06-10	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	2.9	68	Fork Length
2025-06-10	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		106	Fork Length
2025-06-10	BS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		91	Fork Length
2025-06-10	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		71	Fork Length
2025-06-10	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		68	Fork Length
2025-06-10	BS-AR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		67	Fork Length
2025-06-10	BS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		97	Fork Length
2025-06-10	BS-AR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		63	Fork Length
2025-06-10	BS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		64	Fork Length
2025-06-10	BS-AR	Set 2	Coastrange Sculpin	*Cottus aleuticus*	Juvenile	1		61	Total Length
2025-06-10	BS-NR	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		24	Total Length
2025-06-10	BS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		70	Fork Length
2025-06-10	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		82	Fork Length
2025-06-10	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		74	Fork Length
2025-06-10	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		76	Fork Length
2025-06-10	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		39	Fork Length
2025-06-10	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		83	Fork Length
2025-06-10	BS-NR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		67	Fork Length
2025-06-10	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		87	Fork Length
2025-06-10	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		65	Fork Length
2025-06-10	BS-NR	Set 2	Tidepool Sculpin	*Oligocottus maculosus*	Juvenile	1		22	Total Length
2025-06-10	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		66	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-06-10	BS-NR	Set 2	Coastrange Sculpin	*Cottus aleuticus*	Juvenile	1		54	Total Length
2025-06-10	BS-NR	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		30	Total Length
2025-06-11	BS-1	Set 1	Shiner Perch	*Cymatogaster aggregata*	Adult	1		115	Fork Length
2025-06-11	BS-1	Set 1	Shiner Perch	*Cymatogaster aggregata*	Adult	1		104	Fork Length
2025-06-11	BS-1	Set 1	Shiner Perch	*Cymatogaster aggregata*	Adult	1		74	Fork Length
2025-06-11	BS-1	Set 1	Shiner Perch	*Cymatogaster aggregata*	Adult	1		103	Fork Length
2025-06-11	BS-1	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		23	Total Length
2025-06-11	BS-1	Set 2	Shiner Perch	*Cymatogaster aggregata*	Adult	1		104	Fork Length
2025-06-11	BS-1	Set 2	Shiner Perch	*Cymatogaster aggregata*	Adult	1		100	Fork Length
2025-06-11	BS-1	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		90	Fork Length
2025-06-11	BS-1	Set 2	Shiner Perch	*Cymatogaster aggregata*	Adult	1		106	Fork Length
2025-06-11	BS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		57	Fork Length
2025-06-11	BS-1	Set 2	Coastrange Sculpin	*Cottus aleuticus*	Juvenile	1		62	Total Length
2025-06-11	BS-1	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		61	Fork Length
2025-06-11	BS-1	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		30	Total Length
2025-06-11	BS-2	Set 1	Coastrange Sculpin	*Cottus aleuticus*	Adult	1		55	Total Length
2025-06-11	BS-2	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		33	Total Length
2025-06-11	BS-2	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		62	Fork Length
2025-06-11	BS-2	Set 1	Coastrange Sculpin	*Cottus aleuticus*	Adult	1		100	Total Length
2025-06-11	BS-2	Set 1	Coastrange Sculpin	*Cottus aleuticus*	Juvenile	1		46	Total Length
2025-06-11	BS-2	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		46	Fork Length
2025-06-11	BS-2	Set 2	Prickly Sculpin	*Cottus asper*	Juvenile	1		81	Total Length
2025-06-11	BS-2	Set 2	Saddleback Gunnel	*Pholis ornata*	Juvenile	1		56	Total Length
2025-06-11	BS-2	Set 2	Prickly Sculpin	*Cottus asper*	Juvenile	1		74	Total Length
2025-06-11	BS-2	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		64	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-06-11	BS-2	Set 2	Shiner Perch	*Cymatogaster aggregata*	Adult	1		73	Fork Length
2025-06-11	BS-2	Set 2	Sculpin Species	*Superfamily Cottoidea*	Larva / Fry	1		14	Total Length
2025-06-11	BS-2	Set 2	Prickly Sculpin	*Cottus asper*	Adult	1		126	Total Length
2025-06-11	BS-2	Set 2	Prickly Sculpin	*Cottus asper*	Adult	1		104	Total Length
2025-06-11	BS-2	Set 2	Prickly Sculpin	*Cottus asper*	Adult	1		96	Total Length
2025-06-11	BS-5	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		67	Fork Length
2025-06-11	BS-5	Set 1	Shiner Perch	*Cymatogaster aggregata*	Adult	1		115	Fork Length
2025-06-11	BS-5	Set 1	Prickly Sculpin	*Cottus asper*	Adult	1		115	Total Length
2025-06-11	BS-5	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		69	Fork Length
2025-06-11	BS-5	Set 2	Shiner Perch	*Cymatogaster aggregata*	Adult	1		71	Fork Length
2025-06-11	BS-5	Set 2	Shiner Perch	*Cymatogaster aggregata*	Adult	1		97	Fork Length
2025-06-11	BS-5	Set 2	Shiner Perch	*Cymatogaster aggregata*	Juvenile	1		71	Fork Length
2025-06-11	BS-5	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		23	Total Length
2025-06-11	BS-SR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		73	Fork Length
2025-06-11	BS-SR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		87	Fork Length
2025-06-25	BS-1	Set 1	Coastrange Sculpin	*Cottus aleuticus*	Juvenile	1	0.7	29	Total Length
2025-06-25	BS-1	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	0.6	30	Total Length
2025-06-25	BS-1	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	3.9	68	Fork Length
2025-06-25	BS-1	Set 1	Starry Flounder	*Platichthys stellatus*	Juvenile	1	0.9	35	Total Length
2025-06-25	BS-1	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	2.8	64	Fork Length
2025-06-25	BS-1	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	1.5	47	Fork Length
2025-06-25	BS-1	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	1.8	54	Fork Length
2025-06-25	BS-1	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	1.1	57	Fork Length
2025-06-25	BS-1	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	3.5	69	Fork Length
2025-06-25	BS-1	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	0.7	43	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-06-25	BS-1	Set 2	Prickly Sculpin	*Cottus asper*	Juvenile	1		27	Total Length
2025-06-25	BS-1	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	3.8	68	Fork Length
2025-06-25	BS-2	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	6.2	45	Fork Length
2025-06-25	BS-2	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		43	Fork Length
2025-06-25	BS-2	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	0.6	36	Fork Length
2025-06-25	BS-2	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	1.6	47	Fork Length
2025-06-25	BS-2	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	0.8	40	Fork Length
2025-06-25	BS-2	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	0.7	38	Fork Length
2025-06-25	BS-2	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	1.2	44	Fork Length
2025-06-25	BS-2	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	0.9	42	Fork Length
2025-06-25	BS-2	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	0.9	41	Fork Length
2025-06-25	BS-2	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	0.7	38	Fork Length
2025-06-25	BS-2	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	9	0	0	-
2025-06-25	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	3	63	Fork Length
2025-06-25	BS-AR	Set 1	Prickly Sculpin	*Cottus asper*	Juvenile	1	0.5	27	Total Length
2025-06-25	BS-AR	Set 1	Prickly Sculpin	*Cottus asper*	Juvenile	1	4.5	65	Total Length
2025-06-25	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	4.2	65	Fork Length
2025-06-25	BS-AR	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	0.6	35	Total Length
2025-06-25	BS-AR	Set 1	Prickly Sculpin	*Cottus asper*	Adult	1	15.7	105	Total Length
2025-06-25	BS-AR	Set 1	Prickly Sculpin	*Cottus asper*	Adult	1	12.9	101	Total Length
2025-06-25	BS-AR	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Adult	1	3	60	Total Length
2025-06-25	BS-AR	Set 2	Prickly Sculpin	*Cottus asper*	Adult	1	10.9	82	Total Length
2025-06-25	BS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	4.7	76	Fork Length
2025-06-25	BS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	5.3	77	Fork Length
2025-06-25	BS-AR	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	0.4	35	Total Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-06-25	BS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	6.2	73	Fork Length
2025-06-25	BS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	4.5	70	Fork Length
2025-06-25	BS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	6.8	79	Fork Length
2025-06-25	BS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	4.6	76	Fork Length
2025-06-25	BS-AR	Set 2	Prickly Sculpin	*Cottus asper*	Juvenile	1	0.7	37	Total Length
2025-06-25	BS-AR	Set 2	Prickly Sculpin	*Cottus asper*	Juvenile	1	0.5	27	Total Length
2025-06-25	BS-SR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Larva / Fry	1		32	Fork Length
2025-06-25	BS-SR	Set 1	Prickly Sculpin	*Cottus asper*	Juvenile	1	0.6	35	Total Length
2025-06-25	BS-SR	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	0.6	28	Total Length
2025-06-25	BS-SR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	1.6	45	Fork Length
2025-06-25	BS-SR	Set 1	Prickly Sculpin	*Cottus asper*	Juvenile	1	0.7	32	Total Length
2025-06-25	BS-SR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	2.2	56	Fork Length
2025-06-25	BS-SR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Larva / Fry	1	0.4	39	Fork Length
2025-06-25	BS-SR	Set 1	Prickly Sculpin	*Cottus asper*	Juvenile	1	0.3	25	Total Length
2025-06-25	BS-SR	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	0.3	25	Total Length
2025-06-25	BS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	4.3	70	Fork Length
2025-06-25	BS-SR	Set 2	Prickly Sculpin	*Cottus asper*	Juvenile	1		28	Total Length
2025-06-26	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.1	73	Fork Length
2025-06-26	BS-3	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1	2.9	65	Total Length
2025-06-26	BS-3	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Juvenile	1	4	65	Total Length
2025-06-26	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	3.7	70	Fork Length
2025-06-26	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	10	96	Fork Length
2025-06-26	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	6.8	83	Fork Length
2025-06-26	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.2	72	Fork Length
2025-06-26	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.9	72	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-06-26	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	6.6	72	Fork Length
2025-06-26	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.6	81	Fork Length
2025-06-26	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	3.4	66	Fork Length
2025-06-26	BS-3	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1	3	65	Total Length
2025-06-26	BS-3	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Juvenile	1	3	62	Total Length
2025-06-26	BS-3	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1	3.1	62	Total Length
2025-06-26	BS-3	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1	3.9	69	Total Length
2025-06-26	BS-3	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1	4	65	Total Length
2025-06-26	BS-3	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1	3.3	65	Total Length
2025-06-26	BS-3	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1	3.5	65	Total Length
2025-06-26	BS-3	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1	3.1	59	Total Length
2025-06-26	BS-3	Set 1	Pacific Herring	*Clupea pallasii*	Larva / Fry	1			Fork Length
2025-06-26	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	2.9	54	Fork Length
2025-06-26	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	1.9	54	Fork Length
2025-06-26	BS-3	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1	3.8	65	Total Length
2025-06-26	BS-3	Set 2	Pacific Herring	*Clupea pallasii*	Larva / Fry	1			Fork Length
2025-06-26	BS-4	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Juvenile	1		14	Total Length
2025-06-26	BS-4	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	7.5	86	Fork Length
2025-06-26	BS-4	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	11.2	80	Fork Length
2025-06-26	BS-4	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	6.7	77	Fork Length
2025-06-26	BS-4	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.1	69	Fork Length
2025-06-26	BS-4	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	7.4	77	Fork Length
2025-06-26	BS-4	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.4	75	Fork Length
2025-06-26	BS-4	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.5	82	Fork Length
2025-06-26	BS-4	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	3.6	74	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-06-26	BS-4	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	16.2	111	Fork Length
2025-06-26	BS-4	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.2	73	Fork Length
2025-06-26	BS-4	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.5	72	Fork Length
2025-06-26	BS-4	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.8	86	Fork Length
2025-06-26	BS-4	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.6	68	Fork Length
2025-06-26	BS-4	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.2	62	Fork Length
2025-06-26	BS-4	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	2.4	62	Fork Length
2025-06-26	BS-5	Set 1	Pacific Herring	*Clupea pallasii*	Larva / Fry	1			Fork Length
2025-06-26	BS-5	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	0.3	29	Total Length
2025-06-26	BS-5	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	0.3	30	Total Length
2025-06-26	BS-5	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.2	70	Fork Length
2025-06-26	BS-5	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.6	73	Fork Length
2025-06-26	BS-5	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	1.1	41	Fork Length
2025-06-26	BS-5	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	6.2	85	Fork Length
2025-06-26	BS-5	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.4	79	Fork Length
2025-06-26	BS-5	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	8.8	95	Fork Length
2025-06-26	BS-5	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	8.5	81	Fork Length
2025-06-26	BS-5	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	0.3	25	Total Length
2025-06-26	BS-5	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	2.1	55	Fork Length
2025-06-26	BS-5	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	2.9	70	Fork Length
2025-06-26	BS-5	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	0.3	26	Total Length
2025-06-26	BS-5	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	0.2	22	Total Length
2025-06-26	BS-NR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		55	Fork Length
2025-06-26	BS-NR	Set 1	Shiner Perch	*Cymatogaster aggregata*	Adult	1		87	Fork Length
2025-06-26	BS-NR	Set 1	Shiner Perch	*Cymatogaster aggregata*	Adult	1		105	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-06-26	BS-NR	Set 1	Shiner Perch	*Cymatogaster aggregata*	Adult	1		95	Fork Length
2025-06-26	BS-NR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		73	Fork Length
2025-06-26	BS-NR	Set 1	Shiner Perch	*Cymatogaster aggregata*	Adult	1		97	Fork Length
2025-06-26	BS-NR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		69	Fork Length
2025-06-26	BS-NR	Set 1	Shiner Perch	*Cymatogaster aggregata*	Adult	1		95	Fork Length
2025-06-26	BS-NR	Set 1	Shiner Perch	*Cymatogaster aggregata*	Juvenile	1		111	Fork Length
2025-06-26	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		68	Fork Length
2025-06-26	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		67	Fork Length
2025-06-26	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		55	Fork Length
2025-06-26	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		64	Fork Length
2025-06-26	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		55	Fork Length
2025-07-09	BS-1	Set 1	Shiner Perch	*Cymatogaster aggregata*	Adult	1	15.1	99	Fork Length
2025-07-09	BS-1	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	0.9	52	Fork Length
2025-07-09	BS-1	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	1.1	55	Fork Length
2025-07-09	BS-1	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	2	56	Fork Length
2025-07-09	BS-1	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		32	Total Length
2025-07-09	BS-1	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Larva / Fry	1	1.1	44	Fork Length
2025-07-09	BS-1	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	0.7	34	Total Length
2025-07-09	BS-1	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		22	Total Length
2025-07-09	BS-1	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	4.4	77	Fork Length
2025-07-09	BS-1	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		31	Total Length
2025-07-09	BS-1	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		22	Total Length
2025-07-09	BS-1	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		23	Total Length
2025-07-09	BS-1	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1	0.31	27	Total Length
2025-07-09	BS-4	Set 2	Shiner Perch	*Cymatogaster aggregata*	Adult	1	26.8	100	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-07-09	BS-4	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	2.5	61	Fork Length
2025-07-09	BS-4	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Juvenile	1			
2025-07-09	BS-4	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	10	77	Fork Length
2025-07-09	BS-4	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	2.3	66	Fork Length
2025-07-09	BS-4	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Larva / Fry	1		35	Fork Length
2025-07-09	BS-4	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	2.7	52	Fork Length
2025-07-09	BS-4	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	4	72	Fork Length
2025-07-09	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	4.1	78	Fork Length
2025-07-09	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	5.5	79	Fork Length
2025-07-09	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	4.5	82	Fork Length
2025-07-09	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Larva / Fry	1		49	Fork Length
2025-07-09	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		96	Fork Length
2025-07-09	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	3	63	Fork Length
2025-07-09	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	1.6	55	Fork Length
2025-07-09	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	1.4	54	Fork Length
2025-07-09	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Larva / Fry	1	1.6	55	Fork Length
2025-07-09	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Larva / Fry	1		33	Fork Length
2025-07-09	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Larva / Fry	1	1.3	54	Fork Length
2025-07-09	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	6.1	84	Fork Length
2025-07-09	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		61	Fork Length
2025-07-09	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	1.2	54	Fork Length
2025-07-09	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	1.6	53	Fork Length
2025-07-09	BS-AR	Set 1	Prickly Sculpin	*Cottus asper*	Adult	1	24	101	Total Length
2025-07-09	BS-AR	Set 1	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	3.1	61	Total Length
2025-07-09	BS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	3	0	0	-

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-07-09	BS-AR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		61	Fork Length
2025-07-09	BS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	3.5	75	Fork Length
2025-07-09	BS-AR	Set 2	Pacific Herring	*Clupea pallasii*	Juvenile	1	7.7	96	Fork Length
2025-07-09	BS-AR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.6	77	Fork Length
2025-07-09	BS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	5.6	81	Fork Length
2025-07-09	BS-AR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.6	82	Fork Length
2025-07-09	BS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	6.7	88	Fork Length
2025-07-09	BS-AR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.6	85	Fork Length
2025-07-09	BS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	6.6	88	Fork Length
2025-07-09	BS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	3.8	74	Fork Length
2025-07-09	BS-AR	Set 2	Pacific Herring	*Clupea pallasii*	Juvenile	1	8.9	96	Fork Length
2025-07-09	BS-AR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5.6	81	Fork Length
2025-07-09	BS-AR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4	76	Fork Length
2025-07-09	BS-SR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	5.4	101	Fork Length
2025-07-09	BS-SR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	1.5	49	Fork Length
2025-07-09	BS-SR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	5.1	78	Fork Length
2025-07-09	BS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	4.5	77	Fork Length
2025-07-09	BS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	5.5	98	Fork Length
2025-07-10	BS-2	Set 1	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1			
2025-07-10	BS-2	Set 1	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1			
2025-07-10	BS-2	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	2.1	51	Fork Length
2025-07-10	BS-2	Set 2	Starry Flounder	*Platichthys stellatus*	Juvenile	1	3.6	55	Total Length
2025-07-10	BS-2	Set 2	Starry Flounder	*Platichthys stellatus*	Juvenile	1	2.4	50	Total Length
2025-07-10	BS-2	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	13.4	114	Fork Length
2025-07-10	BS-2	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4	75	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-07-10	BS-2	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		29	Total Length
2025-07-10	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.6	77	Fork Length
2025-07-10	BS-3	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Juvenile	1	0.1	21	Total Length
2025-07-10	BS-3	Set 1	Starry Flounder	*Platichthys stellatus*	Juvenile	1	2.6	62	Total Length
2025-07-10	BS-3	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	5.3	82	Fork Length
2025-07-10	BS-3	Set 1	Shiner Perch	*Cymatogaster aggregata*	Juvenile	1	13.4	96	Fork Length
2025-07-10	BS-3	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	5.5	81	Fork Length
2025-07-10	BS-3	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Juvenile	1	0.12	24	Total Length
2025-07-10	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	2.7	59	Fork Length
2025-07-10	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	4.5	72	Fork Length
2025-07-10	BS-3	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Juvenile	1	0.06	16	Total Length
2025-07-10	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Larva / Fry	1	1.1	48	Fork Length
2025-07-10	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	1.6	52	Fork Length
2025-07-10	BS-3	Set 1	Shiner Perch	*Cymatogaster aggregata*	Adult	1	18.5	100	Fork Length
2025-07-10	BS-3	Set 1	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1			
2025-07-10	BS-3	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	4.5	73	Fork Length
2025-07-10	BS-3	Set 1	Shiner Perch	*Cymatogaster aggregata*	Juvenile	1	1.2	44	Fork Length
2025-07-10	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	1.1	58	Fork Length
2025-07-10	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	2.3	57	Fork Length
2025-07-10	BS-3	Set 1	Prickly Sculpin	*Cottus asper*	Juvenile	1	2.3	56	Total Length
2025-07-10	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	2.4	63	Fork Length
2025-07-10	BS-3	Set 1	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1			
2025-07-10	BS-3	Set 1	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1			
2025-07-10	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	1.3	52	Fork Length
2025-07-10	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	1.8	57	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-07-10	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Larva / Fry	1	1.1	46	Fork Length
2025-07-10	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	1.8	54	Fork Length
2025-07-10	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	1.7	52	Fork Length
2025-07-10	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	2.9	64	Fork Length
2025-07-10	BS-3	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Larva / Fry	1	1.4	46	Fork Length
2025-07-10	BS-3	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	3.6	68	Fork Length
2025-07-10	BS-3	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Juvenile	1		26	Total Length
2025-07-10	BS-5	Set 1	Starry Flounder	*Platichthys stellatus*	Juvenile	1	2.5	55	Total Length
2025-07-10	BS-5	Set 1	Striped Perch	*Embiotoca lateralis*	Juvenile	1	5.5	65	Fork Length
2025-07-10	BS-5	Set 1	Shiner Perch	*Cymatogaster aggregata*	Juvenile	1	1.3	42	Fork Length
2025-07-10	BS-5	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	3.3	69	Fork Length
2025-07-10	BS-5	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	5	76	Fork Length
2025-07-10	BS-5	Set 1	Slender Cockscomb (Anoplarchus insignis)		Juvenile	1	1.7	70	Total Length
2025-07-10	BS-5	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	2.4	61	Fork Length
2025-07-10	BS-5	Set 1	Slender Cockscomb (Anoplarchus insignis)		Juvenile	1	2.2	70	Total Length
2025-07-10	BS-5	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	5.9	78	Fork Length
2025-07-10	BS-5	Set 2	Coastrange Sculpin	*Cottus aleuticus*	Adult	1	9	84	Total Length
2025-07-10	BS-5	Set 2	Prickly Sculpin	*Cottus asper*	Juvenile	1	4.6	66	Total Length
2025-07-10	BS-5	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1		25	Total Length
2025-07-10	BS-5	Set 2	Shiner Perch	*Cymatogaster aggregata*	Juvenile	1	0.8	41	Fork Length
2025-07-10	BS-5	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	0.65	35	Total Length
2025-07-10	BS-5	Set 2	Fluffy Sculpin	*Oligocottus snyderi*	Juvenile	1	0.65	35	Total Length
2025-07-10	BS-5	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		20	Total Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-07-10	BS-5	Set 2	Starry Flounder	*Platichthys stellatus*	Juvenile	1	2.9	61	Total Length
2025-07-10	BS-NR	Set 1	Pacific Herring	*Clupea pallasii*	Juvenile	1		82	Fork Length
2025-07-10	BS-NR	Set 1	Pacific Herring	*Clupea pallasii*	Juvenile	1		84	Fork Length
2025-07-10	BS-NR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		58	Fork Length
2025-07-10	BS-NR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		76	Fork Length
2025-07-10	BS-NR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		76	Fork Length
2025-07-10	BS-NR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		59	Fork Length
2025-07-10	BS-NR	Set 1	Northern Anchovy	*Engraulis mordax*	Larva / Fry	1			
2025-07-10	BS-NR	Set 1	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1			
2025-07-10	BS-NR	Set 2	Pacific Herring	*Clupea pallasii*	Juvenile	1		84	Fork Length
2025-07-10	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		68	Fork Length
2025-07-10	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		90	Fork Length
2025-07-23	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	6.8	80	Fork Length
2025-07-23	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Larva / Fry	1	1	49	Fork Length
2025-07-23	BS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	2.4	59	Fork Length
2025-07-23	BS-3	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Juvenile	1		21	Total Length
2025-07-23	BS-3	Set 1	Starry Flounder	*Platichthys stellatus*	Juvenile	1	0.4	52	Total Length
2025-07-23	BS-3	Set 2	Coastrange Sculpin	*Cottus aleuticus*	Juvenile	1	1.9	59	Total Length
2025-07-23	BS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1	4.9	81	Fork Length
2025-07-23	BS-AR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		40	Total Length
2025-07-23	BS-AR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		25	Total Length
2025-07-23	BS-AR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		32	Total Length
2025-07-23	BS-AR	Set 2	Larvae species (potential anchovy)		Larva / Fry	40	0	0	-
2025-07-23	BS-NR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		75	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-07-23	BS-NR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		55	Fork Length
2025-07-23	BS-NR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		90	Fork Length
2025-07-23	BS-NR	Set 1	Starry Flounder	*Platichthys stellatus*	Juvenile	1		48	Total Length
2025-07-23	BS-NR	Set 1	Shiner Perch	*Cymatogaster aggregata*	Adult	1		105	Fork Length
2025-07-23	BS-NR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		55	Fork Length
2025-07-23	BS-NR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		60	Fork Length
2025-07-23	BS-NR	Set 1	Prickly Sculpin	*Cottus asper*	Juvenile	1		60	Total Length
2025-07-23	BS-NR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		60	Fork Length
2025-07-23	BS-NR	Set 1	Prickly Sculpin	*Cottus asper*	Juvenile	1		60	Total Length
2025-07-23	BS-NR	Set 1	Prickly Sculpin	*Cottus asper*	Juvenile	1		38	Total Length
2025-07-23	BS-NR	Set 1	Prickly Sculpin	*Cottus asper*	Juvenile	1		49	Total Length
2025-07-23	BS-NR	Set 1	Starry Flounder	*Platichthys stellatus*	Juvenile	1		48	Total Length
2025-07-23	BS-NR	Set 1	Sculpin Species	*Superfamily Cottoidea*	Juvenile	10	0	0	-
2025-07-23	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Larva / Fry	1		49	Fork Length
2025-07-23	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Larva / Fry	1		50	Fork Length
2025-07-23	BS-NR	Set 2	Shiner Perch	*Cymatogaster aggregata*	Juvenile	1		85	Fork Length
2025-07-23	BS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		80	Fork Length
2025-07-23	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Larva / Fry	1		50	Fork Length
2025-07-23	BS-NR	Set 2	Pacific Herring	*Clupea pallasii*	Adult	1		156	Fork Length
2025-07-23	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		60	Fork Length
2025-07-23	BS-NR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		25	Total Length
2025-07-23	BS-NR	Set 2	Prickly Sculpin	*Cottus asper*	Juvenile	1		30	Total Length
2025-07-23	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Larva / Fry	1		55	Fork Length
2025-07-23	BS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		55	Fork Length
2025-07-23	BS-NR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		35	Total Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-07-23	BS-NR	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Juvenile	1		30	Total Length
2025-07-23	BS-NR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		45	Total Length
2025-07-23	BS-NR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		35	Total Length
2025-07-23	BS-NR	Set 2	Starry Flounder	*Platichthys stellatus*	Adult	1		150	Total Length
2025-07-23	BS-NR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Larva / Fry	1		27	Total Length
2025-07-23	BS-NR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		25	Total Length
2025-07-23	BS-NR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		35	Total Length
2025-07-23	BS-NR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		32	Total Length
2025-07-23	BS-NR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1		34	Total Length
2025-07-23	BS-NR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	1			Total Length
2025-07-23	BS-NR	Set 2	Larvae - herring or anchovies (2)		Larva / Fry	1			
2025-07-23	BS-NR	Set 2	Sculpin Species	*Superfamily Cottoidea*	Juvenile	8	0	0	-

Table 2a: Summary table of raw beach purse seine data

Date	Set Net Start Time	Set Net End Time	Site ID	Set (Count)	Ebb / Flood Tide	Tide Height (m)	Total Unique Species Caught	Notes / Unique Species
2025-02-18	09:15	09:30	PS-AR	Set 1	Ebb	4.25	2	Chum Salmon, Three Spine Stickleback
2025-02-18	09:54	10:06	PS-AR	Set 2	Ebb	4.1	0	
2025-02-18	10:26	10:37	PS-NR	Set 1	Ebb	4	0	
2025-02-18	10:44	10:54	PS-NR	Set 2	Ebb	3.8	0	
2025-02-18	11:08	11:17	PS-4	Set 1	Ebb	3.69	0	
2025-02-18	11:22	11:32	PS-4	Set 2	Ebb	3.51	0	
2025-02-18	11:44	11:53	PS-3	Set 1	Ebb	3.5	0	
2025-02-18	11:58	12:06	PS-3	Set 2	Ebb	3.28	0	
2025-02-19	08:52	09:03	PS-SR	Set 1	Flood	4.23	0	
2025-02-19	09:09	09:18	PS-SR	Set 2	Flood	4.22	0	
2025-02-19	09:31	09:40	PS-1	Set 1	Ebb	4.21	0	
2025-02-19	09:47	09:57	PS-1	Set 2	Ebb	4.17	0	
2025-02-19	10:06	10:14	PS-5	Set 1	Ebb	4.12	0	
2025-02-19	10:18	10:27	PS-5	Set 2	Ebb	4.06	0	
2025-02-19	10:34	10:42	PS-2	Set 1	Ebb	3.99	0	
2025-02-19	10:46	10:56	PS-2	Set 2	Ebb	3.91	0	
2025-03-03	09:40	09:58	PS-AR	Set 1	Ebb	3.87	0	
2025-03-03	10:02	10:10	PS-AR	Set 2	Ebb	3.67	0	
2025-03-03	10:24	10:37	PS-NR	Set 1	Ebb	3.55	0	
2025-03-03	10:38	10:45	PS-NR	Set 2	Ebb	3.37	0	
2025-03-03	10:56	11:03	PS-4	Set 1	Ebb	3.13	0	
2025-03-03	11:09	11:15	PS-4	Set 2	Ebb	2.87	0	
2025-03-03	11:25	11:35	PS-3	Set 1	Ebb	2.75	0	

Date	Set Net Start Time	Set Net End Time	Site ID	Set (Count)	Ebb / Flood Tide	Tide Height (m)	Total Unique Species Caught	Notes / Unique Species
2025-03-03	11:39	11:47	PS-3	Set 2	Ebb	2.62	0	
2025-03-04	08:51	08:59	PS-SR	Set 1	Ebb	4.63	0	
2025-03-04	09:00	09:12	PS-SR	Set 2	Ebb	4.63	1	Chum Salmon
2025-03-04	09:28	09:34	PS-1	Set 1	Ebb	4.44	0	
2025-03-04	09:40	09:46	PS-1	Set 2	Ebb	4.31	0	
2025-03-04	09:55	10:03	PS-5	Set 1	Ebb	4.12	0	
2025-03-04	10:09	10:18	PS-5	Set 2	Ebb	4.03	0	
2025-03-04	10:26	10:34	PS-2	Set 1	Ebb	3.8	1	Three Spine Stickleback
2025-03-04	10:38	10:48	PS-2	Set 2	Ebb	3.7	0	
2025-03-04			PS-SR	Set 2				
2025-03-17	10:05	10:16	PS-AR	Set 1	Ebb	3.56	0	
2025-03-17	10:23	10:50	PS-AR	Set 2	Ebb	3.45	1	Chum Salmon
2025-03-17	11:21	11:28	PS-NR	Set 1	Ebb	3.02	3	Chum Salmon, Kelp Greenling, Three Spine Stickleback
2025-03-17	11:36	11:44	PS-NR	Set 2	Ebb	2.85	0	
2025-03-17	12:36	12:43	PS-3	Set 1	Ebb	2.43	0	
2025-03-17	12:45	12:50	PS-3	Set 2	Ebb	2.2	0	
2025-03-17	12:52	13:00	PS-4	Set 1	Ebb	2.15	0	
2025-03-17	13:08	13:20	PS-4	Set 2	Ebb	2.03	1	Chum Salmon
2025-03-18	09:22	09:30	PS-SR	Set 1	Ebb	4.08	0	
2025-03-18	09:37	09:44	PS-SR	Set 2	Ebb	3.98	0	
2025-03-18	09:54	10:03	PS-1	Set 1	Ebb	3.86	0	
2025-03-18	10:08	10:15	PS-1	Set 2	Ebb	3.76	0	
2025-03-18	10:37	10:45	PS-5	Set 1	Ebb	3.46	0	
2025-03-18	10:50	10:58	PS-5	Set 2	Ebb	3.41	0	

Date	Set Net Start Time	Set Net End Time	Site ID	Set (Count)	Ebb / Flood Tide	Tide Height (m)	Total Unique Species Caught	Notes / Unique Species
2025-03-18	11:07	11:19	PS-2	Set 1	Ebb	3.14	3	Three Spine Stickleback, Chum Salmon, Soft Sculpin
2025-03-18	11:28	11:37	PS-2	Set 2	Ebb	3.06	1	Chum Salmon
2025-03-31	09:30	09:37	PS-AR	Set 1	Ebb	3.43	1	Steelhead Trout
2025-03-31	09:50	09:56	PS-AR	Set 2	Ebb	3.1	1	Chum Salmon
2025-03-31	10:23	10:30	PS-NR	Set 1	Ebb	2.93	0	
2025-03-31	10:36	10:44	PS-NR	Set 2	Ebb	2.72	0	
2025-03-31	10:53	11:02	PS-4	Set 1	Ebb	2.59	0	
2025-03-31	11:08	11:14	PS-4	Set 2	Ebb	2.43	0	
2025-03-31	11:21	11:29	PS-3	Set 1	Ebb	2.19	0	
2025-03-31	11:33	11:41	PS-3	Set 2	Ebb	2.07	0	
2025-04-01	08:39	08:45	PS-SR	Set 1	Ebb	4.52	0	
2025-04-01	08:50	08:57	PS-SR	Set 2	Ebb	4.45	0	
2025-04-01	09:10	09:17	PS-1	Set 1	Ebb	4.24	0	
2025-04-01	09:22	09:28	PS-1	Set 2	Ebb	4.06	0	
2025-04-01	09:38	09:46	PS-5	Set 1	Ebb	3.94	0	
2025-04-01	09:52	10:00	PS-5	Set 2	Ebb	3.83	0	
2025-04-01	10:08	10:14	PS-2	Set 1	Ebb	3.49	0	
2025-04-01	10:21	10:28	PS-2	Set 2	Ebb	3.47	0	
2025-04-14	09:57	10:10	PS-AR	Set 1	Ebb	2.53	0	
2025-04-14	10:15	10:26	PS-AR	Set 2	Ebb	2.48	0	
2025-04-14	10:41	10:50	PS-NR	Set 1	Ebb	2.39	0	
2025-04-14	10:57	11:07	PS-NR	Set 2	Ebb	2.21	0	
2025-04-14	11:23	11:30	PS-4	Set 1	Ebb	1.96	0	
2025-04-14	11:38	11:48	PS-4	Set 2	Ebb	1.73	0	

Date	Set Net Start Time	Set Net End Time	Site ID	Set (Count)	Ebb / Flood Tide	Tide Height (m)	Total Unique Species Caught	Notes / Unique Species
2025-04-14	12:05	12:18	PS-3	Set 1	Ebb	1.6	1	Chum Salmon
2025-04-14	12:27	12:35	PS-3	Set 2	Ebb	1.42	2	Chum Salmon, Three Spine Stickleback
2025-04-15	08:37	08:44	PS-SR	Set 1	Ebb	3.96	0	
2025-04-15	08:51	09:00	PS-SR	Set 2	Ebb	3.96	0	
2025-04-15	09:14	09:23	PS-1	Set 1	Ebb	3.87	0	
2025-04-15	09:28	09:38	PS-1	Set 2	Ebb	3.24	1	Chum Salmon
2025-04-15	10:02	10:17	PS-5	Set 1	Ebb	2.83	1	Chum Salmon
2025-04-15	10:24	10:33	PS-5	Set 2	Ebb	2.62	0	
2025-04-15	10:49	10:56	PS-2	Set 1	Ebb	2.4	0	
2025-04-15	11:01	11:20	PS-2	Set 2	Ebb	2.19	2	Three Spine Stickleback, Chum Salmon
2025-04-28	09:42	09:52	PS-AR	Set 1	Ebb	1.2	1	Chinook Salmon
2025-04-28	09:55	10:03	PS-AR	Set 2	Ebb	1.2	1	Coho Salmon
2025-04-28	10:20	10:27	PS-NR	Set 1	Ebb	1.66	1	Three Spine Stickleback
2025-04-28	10:36	10:42	PS-NR	Set 2	Ebb	1.65	0	
2025-04-28	11:06	11:13	PS-4	Set 1	Ebb	0.42	3	Chinook Salmon, Coho Salmon, Chum Salmon
2025-04-28	11:18	11:23	PS-4	Set 2	Ebb	0.33	1	Chum Salmon
2025-04-28	11:48	11:56	PS-5	Set 1	Ebb	0.31	1	Chum Salmon
2025-04-28	11:58	12:05	PS-5	Set 2	Ebb	0.33	0	
2025-04-29	08:42	08:50	PS-SR	Set 1	Ebb	3.611	0	
2025-04-29	08:54	09:00	PS-SR	Set 2	Ebb	3.6	0	
2025-04-29	09:09	09:17	PS-1	Set 1	Ebb	3.4	0	
2025-04-29	09:21	09:29	PS-1	Set 2	Ebb	3.4	1	Chum Salmon
2025-04-29	09:21		PS-1	Set 2	Ebb	3.4	1	Chum Salmon
2025-04-29	09:55	09:55	PS-3	Set 1	Ebb	2.91	0	
2025-04-29	10:07	10:12	PS-3	Set 2	Ebb	2.8	0	

Date	Set Net Start Time	Set Net End Time	Site ID	Set (Count)	Ebb / Flood Tide	Tide Height (m)	Total Unique Species Caught	Notes / Unique Species
2025-04-29	10:21	10:27	PS-2	Set 1	Ebb	1.73	1	Chum Salmon
2025-04-29	10:21		PS-2	Set 1	Ebb	1.73	1	Chum Salmon
2025-04-29	10:31	10:46	PS-2	Set 2	Ebb	1.69	1	Chum Salmon
2025-04-29	10:31		PS-2	Set 2	Ebb	1.69	1	Chum Salmon
2025-05-12	09:19	09:25	PS-3	Set 1	Ebb	2.58	0	
2025-05-12	09:30	09:37	PS-3	Set 2	Ebb	2.51	1	Chinook Salmon
2025-05-12	09:47	09:57	PS-4	Set 1	Ebb	2.35	3	Chinook Salmon, Coho Salmon, Chum Salmon
2025-05-12	10:03	10:10	PS-4	Set 2	Ebb	2.3	0	
2025-05-12	10:25	10:34	PS-NR	Set 1	Ebb	1.05	1	Chinook Salmon
2025-05-12	10:36	10:43	PS-NR	Set 2	Ebb	1.05	1	Chinook Salmon
2025-05-12	11:09	11:16	PS-AR	Set 1	Flood	1.3	0	
2025-05-12	11:21	11:33	PS-AR	Set 2	Flood	1.3	1	Chinook Salmon
2025-05-13	08:32	08:40	PS-SR	Set 1	Ebb	3.08	0	
2025-05-13	08:43	08:52	PS-SR	Set 2	Ebb	3.08	1	Chinook Salmon
2025-05-13	09:02	09:11	PS-1	Set 1	Ebb	2.6	0	
2025-05-13	09:17	09:26	PS-1	Set 2	Ebb	2.5	0	
2025-05-13	09:34	09:43	PS-5	Set 1	Ebb	2.3	0	
2025-05-13	09:48	09:57	PS-5	Set 2	Ebb	2.3	0	
2025-05-13	10:04	10:13	PS-2	Set 1	Ebb	1.8	0	
2025-05-13	10:13	10:25	PS-2	Set 2	Ebb	1.75	0	
2025-05-27	09:27	09:36	PS-AR	Set 1	Ebb	1.99	0	
2025-05-27	09:40	09:54	PS-AR	Set 2	Ebb	1.9	0	
2025-05-27	10:17	10:25	PS-NR	Set 1	Ebb	1.8	0	
2025-05-27	10:33	10:41	PS-NR	Set 2	Ebb	0.66	0	
2025-05-27	11:01	11:11	PS-1	Set 1	Ebb	0.47	0	

Date	Set Net Start Time	Set Net End Time	Site ID	Set (Count)	Ebb / Flood Tide	Tide Height (m)	Total Unique Species Caught	Notes / Unique Species
2025-05-27	11:17	11:24	PS-1	Set 2	Ebb	0.31	1	Chum Salmon
2025-05-27	11:37	11:45	PS-5	Set 1	Ebb	0.19	0	
2025-05-27	23:58	12:03	PS-5	Set 2	Ebb	1.9	0	
2025-05-30	07:43	07:52	PS-SR	Set 1	Ebb	4.18	0	
2025-05-30	07:56	08:05	PS-SR	Set 2	Ebb	4.14	2	Pacific Herring, Coho Salmon
2025-05-30	08:17	08:25	PS-2	Set 1	Ebb	4.05	2	Chinook Salmon, Salmon sp.
2025-05-30	08:28	08:35	PS-2	Set 2	Ebb	3.98	1	Chinook Salmon
2025-05-30	11:01	11:08	PS-3	Set 1	Ebb	2.4	2	Coho Salmon, Pacific Herring
2025-05-30	11:12	11:20	PS-3	Set 2	Ebb	2.26	1	Pacific Herring
2025-05-30	11:43	11:50	PS-4	Set 1	Ebb	1.88	2	Chinook Salmon, Chum Salmon
2025-05-30	11:55	12:00	PS-4	Set 2	Ebb	1.72	2	Chum Salmon, Pacific Herring
2025-06-09	09:01	09:11	PS-SR	Set 1	Ebb	1.69	0	
2025-06-09	09:16	09:22	PS-SR	Set 2	Ebb	1.6	0	
2025-06-09	09:32	09:38	PS-1	Set 1	Ebb	1.51	1	Chum Salmon
2025-06-09	09:42	09:48	PS-1	Set 2	Ebb	1.41	0	
2025-06-09	10:02	10:09	PS-NR	Set 1	Ebb	1.29	1	Chinook Salmon
2025-06-09	10:12	10:22	PS-NR	Set 2	Ebb	1.17	2	Coho Salmon, Pacific Herring
2025-06-09	10:38	10:45	PS-AR	Set 1	Ebb	0.98	1	Coho Salmon
2025-06-09	10:49	10:54	PS-AR	Set 2	Ebb	0.95	1	Chinook Salmon
2025-06-12	08:42	08:55	PS-4	Set 1	Ebb	2.93	0	
2025-06-12	08:56	09:04	PS-4	Set 2	Ebb	2.85	0	
2025-06-23	09:38	09:49	PS-3	Set 1	Ebb	0.51	0	
2025-06-23	09:56	10:02	PS-3	Set 2	Ebb	0.41	1	Chinook Salmon
2025-06-23	10:17	10:24	PS-4	Set 1	Ebb	0.38	1	Chinook Salmon
2025-06-23	10:29	10:37	PS-4	Set 2	Ebb	0.31	0	

Date	Set Net Start Time	Set Net End Time	Site ID	Set (Count)	Ebb / Flood Tide	Tide Height (m)	Total Unique Species Caught	Notes / Unique Species
2025-06-23	10:47	10:55	PS-NR	Set 1	Ebb	0.41	0	
2025-06-23	11:00	11:08	PS-NR	Set 2	Flood	0.42	2	Three Spine Stickleback, Chinook Salmon
2025-06-23	11:28	11:38	PS-AR	Set 1	Flood	0.5	0	
2025-06-23	11:48	11:57	PS-AR	Set 2	Flood	0.59	2	Chinook Salmon, Three Spine Stickleback
2025-06-24	07:59	08:08	PS-SR	Set 1	Ebb	2.11	1	Chinook Salmon
2025-06-24	08:14	08:24	PS-SR	Set 2	Ebb	1.86	1	Chinook Salmon
2025-06-24	08:48	08:55	PS-1	Set 1	Ebb	1.51	2	Chinook Salmon, Coho Salmon
2025-06-24	09:02	09:09	PS-1	Set 2	Ebb	1.28	2	Chinook Salmon, Pacific Herring
2025-06-24	09:39	09:46	PS-5	Set 1	Ebb	0.76	2	Coho Salmon, Chinook Salmon
2025-06-24	09:55	10:03	PS-5	Set 2	Ebb	0.52	1	Coho Salmon
2025-06-24	10:17	10:25	PS-2	Set 1	Ebb	0.4	2	Coho Salmon, Pacific Herring
2025-06-24	10:37	10:43	PS-2	Set 2	Ebb	0.28	0	
2025-07-07	08:37	08:43	PS-3	Set 1	Ebb	1.43	0	
2025-07-07	08:48	08:55	PS-3	Set 2	Ebb	1.38	0	
2025-07-07	09:03	09:11	PS-4	Set 1	Ebb	1.3	1	Pacific Herring
2025-07-07	09:20	09:30	PS-4	Set 2	Ebb	1.25	1	Chinook Salmon
2025-07-07	09:51	10:00	PS-NR	Set 1	Ebb	1.13	1	Pacific Herring
2025-07-07	10:05	10:13	PS-NR	Set 2	Ebb	1.13	1	Pacific Herring
2025-07-07	10:35	10:45	PS-AR	Set 1	Flood	1.07	0	
2025-07-07	10:55	11:02	PS-AR	Set 2	Flood	1.11	2	Chum Salmon, Coho Salmon
2025-07-08	08:19	08:28	PS-SR	Set 1	Ebb	1.8	1	Pacific Herring
2025-07-08	08:35	08:41	PS-SR	Set 2	Ebb	1.7	0	
2025-07-08	08:58	09:05	PS-1	Set 1	Ebb	1.51	0	
2025-07-08	09:10	09:17	PS-1	Set 2	Ebb	1.41	1	Chinook Salmon
2025-07-08	09:32	09:39	PS-5	Set 1	Ebb	1.23	0	

Date	Set Net Start Time	Set Net End Time	Site ID	Set (Count)	Ebb / Flood Tide	Tide Height (m)	Total Unique Species Caught	Notes / Unique Species
2025-07-08	09:45	09:53	PS-5	Set 2	Ebb	1.15	0	
2025-07-08	10:00	10:08	PS-2	Set 1	Ebb	1.1	0	
2025-07-08	10:12	10:22	PS-2	Set 2	Ebb	1.04	0	
2025-07-21	08:31	08:38	PS-SR	Set 1	Ebb	0.7	0	
2025-07-21	08:44	08:52	PS-SR	Set 2	Ebb	0.65	1	Chinook Salmon
2025-07-21	09:13	09:20	PS-1	Set 1	Ebb	0.58	0	
2025-07-21	09:27	09:33	PS-1	Set 2	Ebb	0.57	0	
2025-07-21	09:42	09:49	PS-5	Set 1	Flood	0.59	1	Chinook Salmon
2025-07-21	09:55	10:02	PS-5	Set 2	Flood	0.62	1	Pacific Herring
2025-07-21	10:12	10:18	PS-2	Set 1	Flood	0.71	0	
2025-07-21	10:24	10:29	PS-2	Set 2	Flood	0.79	0	
2025-07-22	08:44	08:54	PS-AR	Set 1	Ebb	0.86	1	Chinook Salmon
2025-07-22	09:01	09:09	PS-AR	Set 2	Ebb	0.73	2	Chinook Salmon, Three Spine Stickleback
2025-07-22	09:33	09:38	PS-NR	Set 1	Ebb	0.51	1	Chinook Salmon
2025-07-22	09:44	09:50	PS-NR	Set 2	Ebb	0.51	1	Chinook Salmon
2025-07-22	10:11	10:17	PS-4	Set 1	Ebb	0.42	0	
2025-07-22	10:24	10:30	PS-4	Set 2	Flood	0.44	1	Chinook Salmon
2025-07-22	10:24	10:30	PS-4	Set 2	Flood		1	Chinook Salmon
2025-07-22	10:39	10:49	PS-3	Set 1	Flood	0.45	1	Chinook Salmon
2025-07-22	11:14	11:22	PS-3	Set 2	Flood	0.52	0	
2025-09-15	10:27	10:27	PS-3	Set 1	Ebb	0	0	
2025-09-15	10:28	10:28	PS-5	Set 1	Ebb	0	0	
2025-09-15	10:29	10:29	PS-2	Set 1	Ebb	0	0	

Table 2b: Individual measurements table of raw beach purse seine data

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-02-18	PS-AR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		35	Fork Length
2025-02-18	PS-AR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		46	Total Length
2025-02-18	PS-AR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		54	Total Length
2025-02-18	PS-AR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		36	Total Length
2025-02-18	PS-AR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Juvenile	1		21	Total Length
2025-03-04	PS-2	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Juvenile	1		45	Total Length
2025-03-04	PS-2	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		60	Total Length
2025-03-04	PS-2	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		62	Total Length
2025-03-04	PS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		37	Fork Length
2025-03-04	PS-SR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		35	Fork Length
2025-03-17	PS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			Fork Length
2025-03-17	PS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-03-17	PS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		37	Fork Length
2025-03-17	PS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		37	Fork Length
2025-03-17	PS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		35	Fork Length
2025-03-17	PS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-03-17	PS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-03-17	PS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-03-17	PS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		35	Fork Length
2025-03-17	PS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		35	Fork Length
2025-03-17	PS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		34	Fork Length
2025-03-17	PS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		34	Fork Length
2025-03-17	PS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-03-17	PS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		37	Fork Length
2025-03-17	PS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-03-17	PS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-03-17	PS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	60	0	0	-
2025-03-17	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		33	Fork Length
2025-03-17	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		35	Fork Length
2025-03-17	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		37	Fork Length
2025-03-17	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		32	Fork Length
2025-03-17	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		34	Fork Length
2025-03-17	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		34	Fork Length
2025-03-17	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		35	Fork Length
2025-03-17	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-03-17	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		35	Fork Length
2025-03-17	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-03-17	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		35	Fork Length
2025-03-17	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		35	Fork Length
2025-03-17	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		43	Fork Length
2025-03-17	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		35	Fork Length
2025-03-17	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		35	Fork Length
2025-03-17	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	36	0	0	-
2025-03-17	PS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-03-17	PS-NR	Set 1	Kelp Greenling	*Hexagrammos decagrammus*	Adult	1		54	Total Length
2025-03-17	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Juvenile	1		42	Total Length
2025-03-17	PS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		34	Fork Length
2025-03-17	PS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		34	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-03-17	PS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		42	Fork Length
2025-03-17	PS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		41	Fork Length
2025-03-17	PS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-03-17	PS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		35	Fork Length
2025-03-17	PS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-03-17	PS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		41	Fork Length
2025-03-17	PS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-03-17	PS-NR	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	36	0	0	-
2025-03-18	PS-2	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		51	Total Length
2025-03-18	PS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		34	Fork Length
2025-03-18	PS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-03-18	PS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-03-18	PS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-03-18	PS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		37	Fork Length
2025-03-18	PS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-03-18	PS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-03-18	PS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-03-18	PS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		37	Fork Length
2025-03-18	PS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-03-18	PS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-03-18	PS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-03-18	PS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-03-18	PS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		37	Fork Length
2025-03-18	PS-2	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		69	Total Length
2025-03-18	PS-2	Set 1	Soft Sculpin	*Psychrolutes sigalutes*	Juvenile	1		41	Total Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-03-18	PS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-03-18	PS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	58	0	0	-
2025-03-18	PS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	46	0	0	-
2025-03-18	PS-2	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		39	Fork Length
2025-03-31	PS-AR	Set 1	Steelhead Trout	*Oncorhynchus mykiss*	Adult	1		620	Fork Length
2025-03-31	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-03-31	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-03-31	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			Fork Length
2025-03-31	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-03-31	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-03-31	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-03-31	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		40	Fork Length
2025-03-31	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		42	Fork Length
2025-03-31	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-14	PS-3	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		37	Fork Length
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		43	Fork Length
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		44	Fork Length
2025-04-14	PS-3	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Larva / Fry	1		46	Total Length
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		42	Fork Length
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		43	Fork Length
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		40	Fork Length
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		45	Fork Length
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		44	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		37	Fork Length
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		43	Fork Length
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		47	Fork Length
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		37	Fork Length
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		40	Fork Length
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		40	Fork Length
2025-04-14	PS-3	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	35	0	0	-
2025-04-15	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-04-15	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-04-15	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		37	Fork Length
2025-04-15	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		50	Total Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		60	Total Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		58	Total Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		55	Total Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		50	Total Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		62	Total Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		53	Total Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		70	Total Length
2025-04-15	PS-2	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		50	Total Length
2025-04-15	PS-2	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		35	Fork Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		60	Total Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		70	Total Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		50	Total Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		70	Total Length
2025-04-15	PS-2	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		40	Fork Length
2025-04-15	PS-2	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		60	Total Length
2025-04-15	PS-2	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		65	Total Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		60	Total Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		50	Total Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		50	Total Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		55	Total Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		60	Total Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		62	Total Length
2025-04-15	PS-2	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		55	Total Length
2025-04-15	PS-2	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		40	Fork Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		50	Total Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		50	Total Length
2025-04-15	PS-2	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1			Fork Length
2025-04-15	PS-2	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	193	0	0	-
2025-04-15	PS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-04-28	PS-4	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		91	Fork Length
2025-04-28	PS-4	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		89	Fork Length
2025-04-28	PS-4	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		94	Fork Length
2025-04-28	PS-4	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		61	Fork Length
2025-04-28	PS-4	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		86	Fork Length
2025-04-28	PS-4	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		95	Fork Length
2025-04-28	PS-4	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		86	Fork Length
2025-04-28	PS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		66	Fork Length
2025-04-28	PS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		57	Fork Length
2025-04-28	PS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		62	Fork Length
2025-04-28	PS-5	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		56	Fork Length
2025-04-28	PS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		91	Fork Length
2025-04-28	PS-AR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		138	Fork Length
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		53	Total Length
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		67	Total Length
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		71	Total Length
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		61	Total Length
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		59	Total Length
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		62	Total Length
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		49	Total Length
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		53	Total Length
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		52	Total Length
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		49	Total Length
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		61	Total Length
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		55	Total Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		53	Total Length
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		54	Total Length
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		55	Total Length
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		49	Total Length
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		64	Total Length
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		61	Total Length
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		62	Total Length
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		54	Total Length
2025-04-28	PS-NR	Set 1	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	9	0	0	-
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		34	Fork Length
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		35	Fork Length
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		37	Fork Length
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		37	Fork Length
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		37	Fork Length
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		37	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-29	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	32	0	0	-
2025-04-29	PS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		43	Fork Length
2025-04-29	PS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-29	PS-2	Set 1	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		367	Fork Length
2025-04-29	PS-2	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		38	Fork Length
2025-04-29	PS-2	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		36	Fork Length
2025-04-29	PS-2	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		39	Fork Length
2025-04-29	PS-2	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		35	Fork Length
2025-04-29	PS-2	Set 2	Chum Salmon	*Oncorhynchus keta*	Larva / Fry	1		40	Fork Length
2025-05-12	PS-3	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		83	Fork Length
2025-05-12	PS-3	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		90	Fork Length
2025-05-12	PS-3	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		85	Fork Length
2025-05-12	PS-3	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		88	Fork Length
2025-05-12	PS-4	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		82	Fork Length
2025-05-12	PS-4	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		118	Fork Length
2025-05-12	PS-4	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		112	Fork Length
2025-05-12	PS-4	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		115	Fork Length
2025-05-12	PS-4	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		88	Fork Length
2025-05-12	PS-4	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		75	Fork Length
2025-05-12	PS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		111	Fork Length
2025-05-12	PS-NR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		123	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-05-12	PS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		86	Fork Length
2025-05-12	PS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		98	Fork Length
2025-05-12	PS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		75	Fork Length
2025-05-12	PS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		113	Fork Length
2025-05-12	PS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		85	Fork Length
2025-05-12	PS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		96	Fork Length
2025-05-12	PS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		85	Fork Length
2025-05-12	PS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		102	Fork Length
2025-05-13	PS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		107	Fork Length
2025-05-27	PS-1	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		75	Fork Length
2025-05-30	PS-2	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		145	Fork Length
2025-05-30	PS-2	Set 1	Salmon sp.		Larva / Fry	1			
2025-05-30	PS-2	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		85	Fork Length
2025-05-30	PS-3	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		85	Fork Length
2025-05-30	PS-3	Set 1	Pacific Herring	*Clupea pallasii*	Juvenile	1		105	Fork Length
2025-05-30	PS-3	Set 1	Pacific Herring	*Clupea pallasii*	Juvenile	1		125	Fork Length
2025-05-30	PS-3	Set 2	Pacific Herring	*Clupea pallasii*	Adult	1		155	Fork Length
2025-05-30	PS-3	Set 2	Pacific Herring	*Clupea pallasii*	Adult	1		180	Fork Length
2025-05-30	PS-3	Set 2	Pacific Herring	*Clupea pallasii*	Adult	1		162	Fork Length
2025-05-30	PS-3	Set 2	Pacific Herring	*Clupea pallasii*	Adult	1		160	Fork Length
2025-05-30	PS-3	Set 2	Pacific Herring	*Clupea pallasii*	Juvenile	1		125	Fork Length
2025-05-30	PS-3	Set 2	Pacific Herring	*Clupea pallasii*	Adult	1		155	Fork Length
2025-05-30	PS-3	Set 2	Pacific Herring	*Clupea pallasii*	Adult	1		182	Fork Length
2025-05-30	PS-3	Set 2	Pacific Herring	*Clupea pallasii*	Adult	1		147	Fork Length
2025-05-30	PS-4	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		66	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-05-30	PS-4	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		64	Fork Length
2025-05-30	PS-4	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		51	Fork Length
2025-05-30	PS-4	Set 2	Pacific Herring	*Clupea pallasii*	Larva / Fry	1			Fork Length
2025-05-30	PS-4	Set 2	Pacific Herring	*Clupea pallasii*	Larva / Fry	1			Fork Length
2025-05-30	PS-SR	Set 2	Pacific Herring	*Clupea pallasii*	Larva / Fry	1			Fork Length
2025-05-30	PS-SR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		85	Fork Length
2025-06-09	PS-1	Set 1	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		71	Fork Length
2025-06-09	PS-AR	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		86	Fork Length
2025-06-09	PS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		82	Fork Length
2025-06-09	PS-NR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		83	Fork Length
2025-06-09	PS-NR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		74	Fork Length
2025-06-09	PS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		73	Fork Length
2025-06-09	PS-NR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		71	Fork Length
2025-06-09	PS-NR	Set 2	Pacific Herring	*Clupea pallasii*	Juvenile	1		137	Fork Length
2025-06-09	PS-NR	Set 2	Pacific Herring	*Clupea pallasii*	Juvenile	1		125	Fork Length
2025-06-09	PS-NR	Set 2	Pacific Herring	*Clupea pallasii*	Juvenile	1		119	Fork Length
2025-06-09	PS-NR	Set 2	Pacific Herring	*Clupea pallasii*	Juvenile	1		118	Fork Length
2025-06-09	PS-NR	Set 2	Pacific Herring	*Clupea pallasii*	Juvenile	1		122	Fork Length
2025-06-23	PS-3	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		90	Fork Length
2025-06-23	PS-3	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		95	Fork Length
2025-06-23	PS-4	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		73	Fork Length
2025-06-23	PS-4	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		80	Fork Length
2025-06-23	PS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		75	Fork Length
2025-06-23	PS-AR	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		55	Total Length
2025-06-23	PS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		95	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-06-23	PS-NR	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		65	Total Length
2025-06-23	PS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		90	Fork Length
2025-06-23	PS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		85	Fork Length
2025-06-23	PS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		85	Fork Length
2025-06-24	PS-1	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		79	Fork Length
2025-06-24	PS-1	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		85	Fork Length
2025-06-24	PS-1	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		56	Fork Length
2025-06-24	PS-1	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		64	Fork Length
2025-06-24	PS-1	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		65	Fork Length
2025-06-24	PS-1	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		64	Fork Length
2025-06-24	PS-1	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		66	Fork Length
2025-06-24	PS-1	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		65	Fork Length
2025-06-24	PS-1	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		68	Fork Length
2025-06-24	PS-1	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		65	Fork Length
2025-06-24	PS-1	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		64	Fork Length
2025-06-24	PS-1	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		69	Fork Length
2025-06-24	PS-1	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		64	Fork Length
2025-06-24	PS-1	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		68	Fork Length
2025-06-24	PS-1	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		82	Fork Length
2025-06-24	PS-1	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		68	Fork Length
2025-06-24	PS-1	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	2	0	0	-
2025-06-24	PS-1	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		70	Fork Length
2025-06-24	PS-1	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		65	Fork Length
2025-06-24	PS-1	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		65	Fork Length
2025-06-24	PS-1	Set 2	Pacific Herring	*Clupea pallasii*	Juvenile	1		140	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-06-24	PS-1	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		70	Fork Length
2025-06-24	PS-1	Set 2	Pacific Herring	*Clupea pallasii*	Adult	1		140	Fork Length
2025-06-24	PS-1	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		96	Fork Length
2025-06-24	PS-1	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		64	Fork Length
2025-06-24	PS-1	Set 2	Pacific Herring	*Clupea pallasii*	Adult	1		135	Fork Length
2025-06-24	PS-2	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		68	Fork Length
2025-06-24	PS-2	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		65	Fork Length
2025-06-24	PS-2	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		69	Fork Length
2025-06-24	PS-2	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		70	Fork Length
2025-06-24	PS-2	Set 1	Pacific Herring	*Clupea pallasii*	Larva / Fry	1		29	Fork Length
2025-06-24	PS-5	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		70	Fork Length
2025-06-24	PS-5	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		75	Fork Length
2025-06-24	PS-5	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		80	Fork Length
2025-06-24	PS-5	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		75	Fork Length
2025-06-24	PS-5	Set 1	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		79	Fork Length
2025-06-24	PS-5	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		75	Fork Length
2025-06-24	PS-5	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		65	Fork Length
2025-06-24	PS-5	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		65	Fork Length
2025-06-24	PS-5	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		68	Fork Length
2025-06-24	PS-5	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1	72		Fork Length
2025-06-24	PS-5	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		68	Fork Length
2025-06-24	PS-5	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		80	Fork Length
2025-06-24	PS-SR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		85	Fork Length
2025-06-24	PS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		70	Fork Length
2025-06-24	PS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		70	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-06-24	PS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		70	Fork Length
2025-06-24	PS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		75	Fork Length
2025-06-24	PS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		70	Fork Length
2025-06-24	PS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		65	Fork Length
2025-06-24	PS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		75	Fork Length
2025-06-24	PS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		65	Fork Length
2025-06-24	PS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		75	Fork Length
2025-06-24	PS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		63	Fork Length
2025-06-24	PS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	16	0	0	-
2025-07-07	PS-4	Set 1	Pacific Herring	*Clupea pallasii*	Adult	1		148	Fork Length
2025-07-07	PS-4	Set 1	Pacific Herring	*Clupea pallasii*	Adult	1		140	Fork Length
2025-07-07	PS-4	Set 1	Pacific Herring	*Clupea pallasii*	Juvenile	1		127	Fork Length
2025-07-07	PS-4	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		105	Fork Length
2025-07-07	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		85	Fork Length
2025-07-07	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		65	Fork Length
2025-07-07	PS-AR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		71	Fork Length
2025-07-07	PS-AR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		68	Fork Length
2025-07-07	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		68	Fork Length
2025-07-07	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		65	Fork Length
2025-07-07	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		69	Fork Length
2025-07-07	PS-AR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		76	Fork Length
2025-07-07	PS-AR	Set 2	Coho Salmon	*Oncorhynchus kisutch*	Juvenile	1		63	Fork Length
2025-07-07	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		63	Fork Length
2025-07-07	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		65	Fork Length
2025-07-07	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		69	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-07-07	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		66	Fork Length
2025-07-07	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		68	Fork Length
2025-07-07	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		68	Fork Length
2025-07-07	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		66	Fork Length
2025-07-07	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		67	Fork Length
2025-07-07	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		62	Fork Length
2025-07-07	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		85	Fork Length
2025-07-07	PS-AR	Set 2	Chum Salmon	*Oncorhynchus keta*	Juvenile	1		73	Fork Length
2025-07-07	PS-NR	Set 1	Pacific Herring	*Clupea pallasii*	Juvenile	1		123	Fork Length
2025-07-07	PS-NR	Set 2	Pacific Herring	*Clupea pallasii*	Adult	1		159	Fork Length
2025-07-08	PS-1	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		88	Fork Length
2025-07-08	PS-SR	Set 1	Pacific Herring	*Clupea pallasii*	Adult	1		153	Fork Length
2025-07-21	PS-5	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		64	Fork Length
2025-07-21	PS-5	Set 2	Pacific Herring	*Clupea pallasii*	Juvenile	1		115	Fork Length
2025-07-21	PS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		95	Fork Length
2025-07-21	PS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		84	Fork Length
2025-07-21	PS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		71	Fork Length
2025-07-21	PS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		74	Fork Length
2025-07-21	PS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		72	Fork Length
2025-07-21	PS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		67	Fork Length
2025-07-21	PS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		82	Fork Length
2025-07-21	PS-SR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		74	Fork Length
2025-07-22	PS-3	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		99	Fork Length
2025-07-22	PS-3	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		75	Fork Length
2025-07-22	PS-3	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		66	Fork Length

Date	Site ID	Set (Count)	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-07-22	PS-3	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		92	Fork Length
2025-07-22	PS-3	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		74	Fork Length
2025-07-22	PS-3	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		95	Fork Length
2025-07-22	PS-3	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		55	Fork Length
2025-07-22	PS-3	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		89	Fork Length
2025-07-22	PS-4	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		91	Fork Length
2025-07-22	PS-4	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		109	Fork Length
2025-07-22	PS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		69	Fork Length
2025-07-22	PS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		75	Fork Length
2025-07-22	PS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		78	Fork Length
2025-07-22	PS-AR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		81	Fork Length
2025-07-22	PS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		95	Fork Length
2025-07-22	PS-AR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		94	Fork Length
2025-07-22	PS-AR	Set 2	Three Spine Stickleback	*Gasterosteus aculeatus*	Adult	1		60	Total Length
2025-07-22	PS-NR	Set 1	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		65	Fork Length
2025-07-22	PS-NR	Set 2	Chinook Salmon	*Oncorhynchus tshawytscha*	Juvenile	1		93	Fork Length

APPENDIX F

KPI3 TASKS

Salmon Spawner Counts							
Date	**Site ID**	**Channel Morphology**	**Ebb / Flood Tide**	**Tide Height (m)**	**Weather**	**Species Caught**	**Note**
2025-08-12	Segment 1	Glide	Ebb	3.91	Hot,Sunny	Pink Salmon	--
2025-08-12	Segment 2	Glide	Ebb	3.81	Hot,Sunny	Pink Salmon	--
2025-08-12	Segment 3	Glide	Ebb	3.77	Hot,Sunny	Pink Salmon	--
2025-08-12	Segment 4	Riffle,Pool	Ebb	3.66	Hot,Sunny	Pink Salmon	--
2025-08-12	Segment 5	Riffle,Pool	Ebb	3.62	Hot,Sunny	Pink Salmon	--
2025-08-12	Segment 6	Riffle,Pool	Ebb	3.43	Hot,Sunny	Pink Salmon	--
2025-08-15	Segment 1	Glide	Flood	3.66	Warm,Rain	--	--
2025-08-15	Segment 2	Run	Flood	3.58	Warm,Rain	--	--
2025-08-15	Segment 3	Riffle,Glide	Flood	3.73	Warm,Rain	--	--
2025-08-15	Segment 4	Riffle,Glide	Flood	3.38	Warm,Rain	--	--
2025-08-15	Segment 5	Cascade,Pool	Flood	3.27	Warm,Rain	--	--
2025-08-15	Segment 6	Cascade,Pool	Flood	3.13	Warm,Rain	--	--
2025-08-22	Segment 1	Run,Riffle	Ebb	1.60	Very Hot	--	--
2025-08-22	Segment 2	Pool,Riffle	Ebb	--	Very Hot	--	--
2025-08-22	Segment 3	Glide	--	--	Very Hot	--	--
2025-08-22	Segment 4	Pool,Riffle	Ebb	--	Very Hot	--	--
2025-08-22	Segment 5	Cascade,Pool	Ebb	--	Very Hot	--	--
2025-08-22	Segment 6	Cascade,Pool	Ebb	--	Very Hot	--	--
2025-08-26	Segment 1	Run	Ebb	2.98	Hot,Sunny	--	--
2025-08-26	Segment 2	Run	Ebb	3.09	Hot,Sunny	--	Turbidity observed at the downstream where ocean water is mixing with freshwater
2025-08-26	Segment 3	Riffle,Glide	Ebb	3.25	Hot,Sunny	--	--
2025-08-26	Segment 4	Glide	Ebb	3.31	Hot,Sunny	--	--

Salmon Spawner Counts							
Date	**Site ID**	**Channel Morphology**	**Ebb / Flood Tide**	**Tide Height (m)**	**Weather**	**Species Caught**	**Note**
2025-08-26	Segment 5	Cascade,Pool	Ebb	3.39	Sunny,Hot	--	--
2025-08-26	Segment 6	Pool,Cascade	Ebb	3.54	Sunny,Hot	--	--
2025-08-29	Segment 1	Run,Pool	Flood	3.43	Warm,Cloudy,Sunny	--	Limited visibility with oceanic turbidity
2025-08-29	Segment 2	Run,Pool	Flood	3.52	Warm,Sunny,Cloudy	--	Turbidity high due to high tide. visibility is low
2025-08-29	Segment 3	Run,Glide	Flood	3.54	Warm,Cloudy,Sunny	--	--
2025-08-29	Segment 4	Run,Glide	Flood	3.58	Hot,Warm,Sunny,Cloudy	--	--
2025-08-29	Segment 5	Cascade,Pool,Run	Flood	3.59	Warm,Hot,Sunny,Cloudy	--	--
2025-08-29	Segment 6	Cascade,Pool	Flood	3.61	Hot,Warm,Cloudy,Sunny	--	--
2025-09-05	Segment 1	Run,Riffle	Ebb	1.13	Warm	Pink Salmon	--
2025-09-05	Segment 2	Riffle,Run	Ebb	1.06	Warm	Pink Salmon	--
2025-09-05	Segment 3	Glide,Pool,Riffle	Ebb	1.03	Warm	Pink Salmon	--
2025-09-05	Segment 4	Glide,Pool	Ebb	1.01	Warm	Pink Salmon	--
2025-09-05	Segment 5	Cascade,Pool	Flood	1.03	Warm	Pink Salmon	--
2025-09-05	Segment 6	Cascade,Pool	Flood	1.06	Warm,Overcast	Pink Salmon	--
2025-09-09	Segment 1	Glide,Riffle	Ebb	2.04	Warm,Sunny	Pink Salmon	--
2025-09-09	Segment 2	Riffle,Run	Ebb	2.13	Warm,Sunny	Pink Salmon	--
2025-09-09	Segment 3	Riffle,Run	Ebb	2.33	Warm,Overcast	Pink Salmon	--
2025-09-09	Segment 4	Riffle,Pool,Run	Ebb	2.44	Warm,Overcast	Pink Salmon	--
2025-09-09	Segment 5	Cascade,Pool	Ebb	2.80	Warm,Overcast	Pink Salmon	--
2025-09-09	Segment 6	Cascade,Pool	Ebb	3.57	Warm,Overcast	Pink Salmon	--

Salmon Spawner Counts							
Date	**Site ID**	**Channel Morphology**	**Ebb / Flood Tide**	**Tide Height (m)**	**Weather**	**Species Caught**	**Note**
2025-09-12	Segment 3	Glide,Run	Flood	4.17	Sunny,Cloudy,Light Breeze,Warm,Cool	Pink Salmon	Black bear between segment 3 and segment 4. bear scat observed on eastern bank. juvrnile common mergansers foraging in rhe stream. only pink salmon observed.
2025-09-19	Segment 1	Riffle,Glide	Flood	1.23	Hot,Sunny,Calm	Pink Salmon	Photos: us, ds, lb, rb. american dippers observed flying and foraging, common mergansers were also foraging at the mouth of the river.
2025-09-19	Segment 2	Run,Riffle,Glide	Ebb	1.20	Hot,Sunny,Calm	Pink Salmon	Photos: us, ds, lb, rb. low tide, clear water. observed from bridge and top of banks due to bear activity. american dippers observed flying and foraging.
2025-09-19	Segment 3	Riffle,Glide,Run	Ebb	1.25	Warm,Sunny,Light Breeze	Pink Salmon	Water levels were quite low, most of the flow was located on the northeast side of the stream. photos: us, ds, lb, rb.
2025-09-19	Segment 4	Run,Pool,Riffle	Flood	1.33	Hot,Warm,Light Breeze,Sunny	--	Access blocked (red chained) due to bear activity. no assessment completed
2025-09-19	Segment 5	Run,Pool	Ebb	1.20	Hot,Warm,Sunny	--	Access blocked (red chained) due to bear activity. survey not completed.
2025-09-19	Segment 6	Run,Pool	Ebb	1.20	--	--	Access blocked due besr activity.
2025-09-24	Segment 1	Glide	Ebb	3.06	Hot,Sunny	Pink Salmon	--
2025-09-24	Segment 2	Riffle	Ebb	3.14	Hot,Sunny,Cloudy	Pink Salmon	--
2025-09-24	Segment 3	Riffle	Ebb	3.34	Hot,Sunny,Cloudy	Pink Salmon	--
2025-09-24	Segment 4	Glide	Ebb	3.78	Warm,Sunny,Cloudy	Pink Salmon	--
2025-09-24	Segment 5	Pool,Cascade	Ebb	3.64	Warm,Sunny,Cloudy	Pink Salmon	--
2025-09-24	Segment 6	Cascade	Ebb	3.48	Warm,Sunny,Cloudy	--	--
2025-09-26	Segment 1	Pool	Flood	3.99	Cool,Overcast	Pink Salmon	Water turbid from high tide

Salmon Spawner Counts							
Date	**Site ID**	**Channel Morphology**	**Ebb / Flood Tide**	**Tide Height (m)**	**Weather**	**Species Caught**	**Note**
2025-09-26	Segment 2	Pool	Flood	4.02	Cool,Overcast	Pink Salmon	Water turbid due to high tide
2025-09-26	Segment 3	Pool	Flood	4.03	Cool,Sunny,Overcast	Pink Salmon	Water turbid due to high tide
2025-09-26	Segment 4	Glide	Ebb	4.03	Cool,Light Rain,Overcast	Pink Salmon	Water clear
2025-09-26	Segment 5	Glide,Pool	Ebb	3.94	Cool,Overcast	--	Not sampled due to bear presence
2025-09-26	Segment 6	Glide,Pool,Cascade	Ebb	3.94	Cool,Overcast	--	Not assessed due to bear presence
2025-10-03	Segment 1	Riffle	Flood	1.46	Overcast	Pink Salmon, Chum Salmon	--
2025-10-03	Segment 2	Riffle,Pool	Flood	1.51	Overcast	Pink Salmon, Chum Salmon	--
2025-10-03	Segment 3	Run,Riffle	Flood	1.54	Overcast	Chum Salmon, Pink Salmon	--
2025-10-03	Segment 4	Riffle,Run	Flood	1.85	Overcast,Calm,Sunny,Light Breeze	Chum Salmon	--
2025-10-03	Segment 5	Riffle,Run,Cascade	Flood	1.71	Overcast,Calm,Light Breeze	Chum Salmon	--
2025-10-10	Segment 1	Run	Flood	4.53	Cool,Overcast	--	--
2025-10-10	Segment 2	Run	Flood	4.56	Overcast,Cloudy	Pink Salmon	--
2025-10-10	Segment 3	Pool,Riffle	Flood	4.61	--	Pink Salmon	--
2025-10-10	Segment 4	Run	Flood	4.61	Cloudy,Overcast	Pink Salmon	--
2025-10-10	Segment 5	--	--	--	--	Pink Salmon	--
2025-10-14	Segment 1	Run	Ebb	2.04	Sunny	Pink Salmon	--
2025-10-14	Segment 2	Glide,Riffle,Pool	Ebb	2.91	Sunny	--	--
2025-10-14	Segment 3	--	--	2.85	--	Other (See Notes)	--
2025-10-14	Segment 4	Run,Pool	Ebb	2.58	Sunny	Pink Salmon	--

Salmon Spawner Counts							
Date	**Site ID**	**Channel Morphology**	**Ebb / Flood Tide**	**Tide Height (m)**	**Weather**	**Species Caught**	**Note**
2025-10-14	Segment 5	Pool,Glide	Ebb	2.43	Sunny	Pink Salmon	--
2025-10-17	Segment 1	Glide,Riffle,Run	Ebb	1.83	Cool,Warm,Sunny,Cloudy,Overcast,Light Breeze	Other (See Notes)	Photos: us, ds, lb, rb
2025-10-17	Segment 2	Run,Pool,Glide,Riffle	Ebb	1.89	Warm,Sunny,Cloudy	Other (See Notes)	Photos: us, ds, lb, rb
2025-10-17	Segment 3	Glide,Run,Pool,Riffle	Ebb	1.90	Warm,Sunny,Cloudy	Other (See Notes)	Photos: us, ds
2025-10-17	Segment 4	Riffle,Glide,Pool	Ebb	2.07	Cloudy,Cool,Sunny	--	Photos: us, ds, lb, rb. unable to access stream, viewed from bridge.
2025-10-17	Segment 5	Cascade,Pool,Riffle,Glide	Flood	1.99	Overcast	Chum Salmon	--
2025-10-17	Segment 6	Cascade,Pool,Riffle,Glide	Ebb	2.00	Warm,Cool,Sunny,Cloudy	--	Photos: us, ds, lb, rb
2025-10-24	Segment 1	Run	Ebb	4.32	Heavy Rain	--	--
2025-10-24	Segment 2	Run,Riffle	Ebb	4.33	Heavy Rain	--	--
2025-10-24	Segment 3	Riffle,Run	Ebb	4.34	Heavy Rain	--	--
2025-10-24	Segment 4	Cascade,Run,Riffle	Ebb	4.35	Heavy Rain	--	--
2025-10-24	Segment 5	Riffle,Run,Cascade	Ebb	4.37	Heavy Rain	--	--
2025-10-24	Segment 6	Riffle,Run,Cascade	Ebb	4.37	Heavy Rain	--	7
2025-10-24	Segment 6	Cascade,Riffle,Run	Ebb	4.36	Heavy Rain	--	--
2025-10-31	Segment 1	Run	Flood	2.77	Rain	--	--
2025-10-31	Segment 2	Riffle,Run	Flood	2.82	Rain	--	--
2025-10-31	Segment 3	Riffle,Run	Flood	2.83	Rain	--	--
2025-10-31	Segment 4	Riffle,Cascade	Flood	2.91	Rain	--	--
2025-10-31	Segment 5	Pool,Cascade	Flood	3.09	Rain	--	--

Salmon Spawner Counts							
Date	**Site ID**	**Channel Morphology**	**Ebb / Flood Tide**	**Tide Height (m)**	**Weather**	**Species Caught**	**Note**
2025-10-31	Segment 6	Cascade,Pool	Flood	3.11	Rain	--	--
2025-11-06	Segment 1	Glide,Pool	Flood	3.87	Heavy Rain	--	--
2025-11-06	Segment 2	Riffle,Run	Flood	3.78	Heavy Rain	--	--
2025-11-06	Segment 3	Riffle,Run	Flood	3.75	Heavy Rain	--	--
2025-11-06	Segment 4	Run,Riffle	Flood	3.70	Heavy Rain	--	--
2025-11-06	Segment 5	Run,Pool,Glide	Flood	--	Heavy Rain	--	--
2025-11-06	Segment 6	Cascade,Pool	Flood	--	Heavy Rain	--	--
2025-11-20	Segment 1	Run,Riffle	Flood	3.67	Cold,Light Rain,Overcast	--	No spawners observed, no carcasses observed
2025-11-20	Segment 2	Run,Riffle	Flood	3.68	Cold,Light Rain,Overcast,Calm	--	--
2025-11-20	Segment 3	Run,Riffle,Glide	Flood	3.69	Cold,Calm,Overcast,Light Rain	--	--
2025-11-20	Segment 4	Cascade,Riffle,Run	Flood	3.87	Cold,Calm,Overcast	--	No spawners or carcasses observed
2025-11-20	Segment 5	Riffle,Run,Pool , Cascade	Flood	3.82	Cold,Overcast,Calm,Light Rain	--	--
2025-11-20	Segment 6	Run,Riffle,Cascade, Pool	Flood	3.83	Cold,Calm,Overcast,Light Rain	--	Did not assess. water levels too deep to cross safely.
2025-11-27	Segment 1	Riffle	Ebb	4.34	Rain,Cool	--	--
2025-11-27	Segment 2	Riffle	Ebb	4.34	Rain,Cool	--	--
2025-11-27	Segment 3	Run	Ebb	4.29	Rain,Cool	--	--
2025-11-27	Segment 4	Run	Ebb	4.29	Rain	--	--
2025-11-27	Segment 5	Pool,Cascade,Run	Ebb	4.13	Cool,Light Rain	--	--
2025-11-27	Segment 6	--	--	--	--	--	--

Juvenile Outmigration Surveys

Date	Site ID	Coordinates	Time In	Time Out	Total Soak Time (Hours)	Tide Height at Start (m)	Tide Height at End (m)	Weather at Start	Weather at End	Total Unique Species Caught	Unique Species
2025-04-01	Fyke Net 1	(49.666, -123.253)	12:40	11:45	23.08	1.25	2.88	Warm,Overcast	Cool,Overcast	0	--
2025-04-03	Fyke Net 1	(49.666, -123.253)	11:00	11:00	0.00	3.7	3.7	Warm,Overcast	Warm,Overcast	0	--
2025-04-04	Fyke Net 1	(49.666, -123.253)	10:25	10:26	0.00	3.9	3.9	Warm,Sunny	Warm,Sunny	0	--

Minnow Trap Surveys											
Date	Site ID	Coordinates	Time In	Time Out	Total Soak Time (Hours)	Bait Type	Weather Notes	Mesohabitat Type	Channel Morphology Type	Total Unique Species Caught	Unique Species
2025-06-18	MCMT-3	(49.666, -123.254)	11:16	10:10	22.90	Cat Food	Overcast,Warm	Other	Run	1	Prickly Sculpin
2025-06-18	MCMT-4	(49.666, -123.254)	11:26	10:15	22.82	Cat Food	Overcast	Large boulder	Riffle	0	--
2025-06-18	MCMT-5	(49.667, -123.254)	12:00	10:29	22.48	Cat Food	Rain,Cool	Undercut banks	Pool,Riffle	0	--
2025-06-18	MCMT-6	(49.667, -123.255)	12:04	10:31	22.45	Cat Food	Rain	Large boulder	Riffle	0	--
2025-06-18	MCMT-7	(49.667, -123.255)	12:15	10:40	22.42	Cat Food	Rain,Cool	Large boulder	Pool	1	Rainbow Trout
2025-06-18	MCMT-8	(49.667, -123.255)	12:19	11:20	23.02	Cat Food	Rain,Cool	Undercut banks	Pool	1	Dolly Varden
2025-06-18	MCMT-11	(49.667, -123.255)	12:29	11:05	22.60	Cat Food	Overcast	Large boulder	Pool	2	Coastrange Sculpin, Prickly Sculpin
2025-06-18	MCMT-12	(49.667, -123.255)	12:34	11:00	22.43	Cat Food	Cool,Light_Rain	Large boulder	Pool	1	Rainbow Trout
2025-06-18	MCMT-1	(49.666, -123.253)	22:51	09:42	10.85	Cat Food	Overcast,Light_Rain	Large boulder	Pool	1	Prickly Sculpin
2025-06-18	MCMT-2	(49.666, -123.253)	23:10	09:57	10.78	Cat Food	Light_Rain,Warm	Large boulder	Riffle	0	--
2025-06-19	MCMT-1	(49.666, -123.253)	09:49	09:41	23.87	Cat Food	Warm,Sunny	Large boulder	Pool	1	Prickly Sculpin
2025-06-19	MCMT-2	(49.666, -123.253)	10:03	10:04	24.02	Cat Food	Warm,Sunny	Large boulder	Pool	1	Prickly Sculpin

Minnow Trap Surveys											
Date	Site ID	Coordinates	Time In	Time Out	Total Soak Time (Hours)	Bait Type	Weather Notes	Mesohabitat Type	Channel Morphology Type	Total Unique Species Caught	Unique Species
2025-06-19	MCMT-3	(49.666, -123.254)	10:13	10:19	24.10	Cat Food	Warm,Sunny	Other	Run	0	--
2025-06-19	MCMT-4	(49.666, -123.254)	10:17	10:29	24.20	Cat Food	Warm,Sunny	Other	Riffle	1	Prickly Sculpin
2025-06-19	MCMT-5	(49.667, -123.254)	10:30	10:45	24.23	Cat Food	Warm,Sunny	Undercut banks	Pool	1	Coastrange Sculpin
2025-06-19	MCMT-6	(49.667, -123.255)	10:31	10:50	24.30	Cat Food	Warm,Sunny	Large boulder	Riffle	1	Prickly Sculpin
2025-06-19	MCMT-7	(49.667, -123.255)	10:48	11:44	24.93	Cat Food	Warm,Sunny	Large boulder	Pool	0	--
2025-06-19	MCMT-12	(49.667, -123.255)	11:02	11:53	24.85	Cat Food	Warm,Sunny	Large boulder	Pool	0	--
2025-06-19	MCMT-11	(49.667, -123.255)	11:16	11:51	24.58	Cat Food	Warm,Sunny	Undercut banks	Pool	1	Coastrange Sculpin
2025-06-19	MCMT-8	(49.667, -123.255)	11:26	12:00	24.57	Cat Food	Warm,Sunny	Undercut banks	Pool	0	--
2025-08-06	MCMT-1	(49.666, -123.253)	09:39	08:55	23.27	Cat Food	Cool,Overcast	Large boulder,Other	Riffle	0	--
2025-08-06	MCMT-2	(49.666, -123.253)	09:55	09:09	23.23	Cat Food	Cool,Overcast	Large boulder,Large_woody_debris	Pool	2	Coho Salmon, Prickly Sculpin
2025-08-06	MCMT-3	(49.666, -123.254)	09:59	09:31	23.53	Cat Food	Cool,Overcast	Large boulder	Pool	1	Prickly Sculpin
2025-08-06	MCMT-4	(49.666, -123.254)	10:02	09:49	23.78	Cat Food	Cool,Overcast	Large boulder,Other	Run	1	Prickly Sculpin

Minnow Trap Surveys											
Date	Site ID	Coordinates	Time In	Time Out	Total Soak Time (Hours)	Bait Type	Weather Notes	Mesohabitat Type	Channel Morphology Type	Total Unique Species Caught	Unique Species
2025-08-06	MCMT-5	(49.667, -123.254)	10:39	10:13	23.55	Cat Food	Overcast,Warm	Undercut banks,Other	Pool	2	Coho Salmon, Prickly Sculpin
2025-08-06	MCMT-6	(49.667, -123.255)	10:47	10:18	23.52	Cat Food	Overcast,Warm	Large boulder	Glide	0	--
2025-08-06	MCMT-7	(49.667, -123.255)	11:00	10:37	23.62	Cat Food	Overcast	Large boulder,Other	Pool	1	Coho Salmon
2025-08-06	MCMT-8	(49.667, -123.255)	11:04	10:45	23.68	Cat Food	Overcast	Undercut banks,Other	Pool	0	--
2025-08-06	MCMT-9	(49.667, -123.255)	11:09	10:52	23.72	Cat Food	Warm,Overcast	Large boulder	Cascade	0	--
2025-08-06	MCMT-10	(49.667, -123.255)	11:13	10:56	23.70	Cat Food	Warm,Overcast	Large boulder	Pool	1	Coastrange Sculpin
2025-08-07	MCMT-1	(49.666, -123.253)	09:01	08:22	23.35	Cat Food	Sunny,Warm	Large boulder,Other	Riffle	1	Prickly Sculpin
2025-08-07	MCMT-2	(49.666, -123.253)	09:27	08:40	23.22	Cat Food	Sunny,Warm	Large boulder,Large_woody_debris	Pool	1	Prickly Sculpin
2025-08-07	MCMT-3	(49.666, -123.254)	09:48	08:59	23.18	Cat Food	Warm,Sunny	Large boulder	Glide	1	Prickly Sculpin
2025-08-07	MCMT-4	(49.666, -123.254)	10:01	09:10	23.15	Cat Food	Warm,Sunny	Large boulder,Other	Run	1	Prickly Sculpin
2025-08-07	MCMT-5	(49.667, -123.254)	10:17	09:57	23.67	Cat Food	Sunny,Warm	Undercut banks,Large_boulder	Pool	2	Prickly Sculpin, Coastrange Sculpin
2025-08-07	MCMT-6	(49.667, -123.255)	10:19	09:49	23.50	Cat Food	Warm,Sunny	Large boulder	Glide	0	--

Minnow Trap Surveys											
Date	**Site ID**	**Coordinates**	**Time In**	**Time Out**	**Total Soak Time (Hours)**	**Bait Type**	**Weather Notes**	**Mesohabitat Type**	**Channel Morphology Type**	**Total Unique Species Caught**	**Unique Species**
2025-08-07	MCMT-7	(49.667, -123.255)	10:41	10:14	23.55	Cat Food	Sunny,Warm	Large boulder,Other	Pool	0	--
2025-08-07	MCMT-8	(49.667, -123.255)	10:45	10:23	23.63	Cat Food	Sunny,Warm	Large boulder,Other	Pool	1	Coho Salmon
2025-08-07	MCMT-9	(49.667, -123.255)	10:52	10:28	23.60	Cat Food	Warm,Hot,Gale	Large boulder	Cascade	1	Coastrange Sculpin
2025-08-07	MCMT-10	(49.667, -123.255)	11:03	10:41	23.63	Cat Food	Sunny,Warm	Large boulder,Other	Pool	0	--

Date	Site ID	Time In	Time Out	Fish Mortality	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-06-18	MCMT-3	11:16	10:10	Alive	Prickly Sculpin	Cottus asper	Adult	1	16.80	102	Total Length
2025-06-18	MCMT-7	12:15	10:40	Alive	Rainbow Trout	Oncorhynchus mykiss	Juvenile	1	6.80	92	Fork Length
2025-06-18	MCMT-8	12:19	11:20	Alive	Dolly Varden	Salvelinus malma	Juvenile	1	11.20	102	Fork Length
2025-06-18	MCMT-11	12:29	11:05	Alive	Coastrange Sculpin	Cottus aleuticus	Adult	1	11.00	91	Total Length
2025-06-18	MCMT-11	12:29	11:05	Alive	Prickly Sculpin	Cottus asper	Adult	1	12.80	97	Total Length
2025-06-18	MCMT-12	12:34	11:00	Alive	Rainbow Trout	Oncorhynchus mykiss	Juvenile	1	4.00	75	Fork Length
2025-06-18	MCMT-12	12:34	11:00	Alive	Rainbow Trout	Oncorhynchus mykiss	Juvenile	1	8.50	94	Fork Length
2025-06-18	MCMT-12	12:34	11:00	Alive	Rainbow Trout	Oncorhynchus mykiss	Juvenile	1	14.30	113	Fork Length
2025-06-18	MCMT-1	22:51	09:42	Alive	Prickly Sculpin	Cottus asper	Adult	1	13.80	104	Total Length
2025-06-19	MCMT-1	09:49	09:41	Alive	Prickly Sculpin	Cottus asper	Adult	1	5.50	80	Total Length
2025-06-19	MCMT-1	09:49	09:41	Alive	Prickly Sculpin	Cottus asper	Adult	1	11.60	88	Total Length
2025-06-19	MCMT-1	09:49	09:41	Alive	Prickly Sculpin	Cottus asper	Adult	1	14.00	91	Total Length
2025-06-19	MCMT-2	10:03	10:04	Alive	Prickly Sculpin	Cottus asper	Adult	1	18.80	102	Total Length
2025-06-19	MCMT-2	10:03	10:04	Alive	Prickly Sculpin	Cottus asper	Adult	1	12.50	95	Total Length
2025-06-19	MCMT-2	10:03	10:04	Alive	Prickly Sculpin	Cottus asper	Juvenile	1	5.10	67	Total Length
2025-06-19	MCMT-4	10:17	10:29	Alive	Prickly Sculpin	Cottus asper	Adult	1	17.30	96	Total Length
2025-06-19	MCMT-5	10:30	10:45	Alive	Coastrange Sculpin	Cottus aleuticus	Adult	1	14.40	111	Total Length
2025-06-19	MCMT-6	10:31	10:50	Alive	Prickly Sculpin	Cottus asper	Adult	1	14.00	107	Total Length
2025-06-19	MCMT-11	11:16	11:51	Alive	Coastrange Sculpin	Cottus aleuticus	Adult	1	9.70	92	Total Length
2025-08-06	MCMT-2	09:55	09:09	Alive	Coho Salmon	Oncorhynchus kisutch	Juvenile	1	1.60	56	Fork Length
2025-08-06	MCMT-2	09:55	09:09	Alive	Prickly Sculpin	Cottus asper	Adult	1	21.40	121	Total Length
2025-08-06	MCMT-2	09:55	09:09	Alive	Prickly Sculpin	Cottus asper	Adult	1	15.30	100	Total Length
2025-08-06	MCMT-2	09:55	09:09	Alive	Prickly Sculpin	Cottus asper	Larva / Fry	1	13.70	104	Total Length
2025-08-06	MCMT-2	09:55	09:09	Alive	Prickly Sculpin	Cottus asper	Adult	1	13.40	95	Total Length

Date	Site ID	Time In	Time Out	Fish Mortality	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-08-06	MCMT-2	09:55	09:09	Alive	Prickly Sculpin	Cottus asper	Adult	1	15.30	96	Total Length
2025-08-06	MCMT-2	09:55	09:09	Alive	Prickly Sculpin	Cottus asper	Adult	1	9.20	94	Total Length
2025-08-06	MCMT-3	09:59	09:31	Alive	Prickly Sculpin	Cottus asper	Adult	1	10.30	90	Total Length
2025-08-06	MCMT-3	09:59	09:31	Alive	Prickly Sculpin	Cottus asper	Adult	1	16.70	106	Total Length
2025-08-06	MCMT-3	09:59	09:31	Alive	Prickly Sculpin	Cottus asper	Adult	1	10.30	93	Total Length
2025-08-06	MCMT-3	09:59	09:31	Alive	Prickly Sculpin	Cottus asper	Adult	1	15.20	103	Total Length
2025-08-06	MCMT-3	09:59	09:31	Alive	Prickly Sculpin	Cottus asper	Adult	1	12.10	94	Total Length
2025-08-06	MCMT-3	09:59	09:31	Alive	Prickly Sculpin	Cottus asper	Adult	1	10.90	101	Total Length
2025-08-06	MCMT-3	09:59	09:31	Alive	Prickly Sculpin	Cottus asper	Adult	1	7.10	89	Total Length
2025-08-06	MCMT-4	10:02	09:49	Alive	Prickly Sculpin	Cottus asper	Adult	1	6.40	86	Total Length
2025-08-06	MCMT-4	10:02	09:49	Alive	Prickly Sculpin	Cottus asper	Adult	1	12.20	96	Total Length
2025-08-06	MCMT-4	10:02	09:49	Alive	Prickly Sculpin	Cottus asper	Adult	1	11.00	96	Total Length
2025-08-06	MCMT-4	10:02	09:49	Alive	Prickly Sculpin	Cottus asper	Adult	1	12.80	100	Total Length
2025-08-06	MCMT-5	10:39	10:13	Alive	Coho Salmon	Oncorhynchus kisutch	Juvenile	1	1.00	51	Fork Length
2025-08-06	MCMT-5	10:39	10:13	Alive	Prickly Sculpin	Cottus asper	Juvenile	1	3.20	66	Total Length
2025-08-06	MCMT-5	10:39	10:13	Alive	Prickly Sculpin	Cottus asper	Adult	1	11.00	92	Total Length
2025-08-06	MCMT-5	10:39	10:13	Alive	Prickly Sculpin	Cottus asper	Adult	1	13.10	94	Total Length
2025-08-06	MCMT-5	10:39	10:13	Dead	Prickly Sculpin	Cottus asper	Adult	1	8.70	94	Total Length
2025-08-06	MCMT-7	11:00	10:37	Alive	Coho Salmon	Oncorhynchus kisutch	Juvenile	1	3.80	70	Fork Length
2025-08-06	MCMT-10	11:13	10:56	Alive	Coastrange Sculpin	Cottus aleuticus	Adult	1	14.20	101	Total Length
2025-08-06	MCMT-10	11:13	10:56	Alive	Coastrange Sculpin	Cottus aleuticus	Juvenile	1	4.70	70	Total Length
2025-08-07	MCMT-1	09:01	08:22	Alive	Prickly Sculpin	Cottus asper	Adult	1	9.40	98	Total Length
2025-08-07	MCMT-1	09:01	08:22	Alive	Prickly Sculpin	Cottus asper	Adult	1	6.50	89	Total Length
2025-08-07	MCMT-2	09:27	08:40	Alive	Prickly Sculpin	Cottus asper	Adult	1	8.50	93	Total Length
2025-08-07	MCMT-2	09:27	08:40	Alive	Prickly Sculpin	Cottus asper	Adult	1	20.70	115	Total Length

Date	Site ID	Time In	Time Out	Fish Mortality	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-08-07	MCMT-2	09:27	08:40	Alive	Prickly Sculpin	Cottus asper	Adult	1	17.40	100	Total Length
2025-08-07	MCMT-2	09:27	08:40	Alive	Prickly Sculpin	Cottus asper	Adult	1	22.10	122	Total Length
2025-08-07	MCMT-2	09:27	08:40	Alive	Prickly Sculpin	Cottus asper	Adult	1	--	105	Total Length
2025-08-07	MCMT-2	09:27	08:40	Alive	Prickly Sculpin	Cottus asper	Adult	1	9.20	85	Total Length
2025-08-07	MCMT-2	09:27	08:40	Alive	Prickly Sculpin	Cottus asper	Adult	1	13.10	102	Total Length
2025-08-07	MCMT-2	09:27	08:40	Alive	Prickly Sculpin	Cottus asper	Adult	1	20.40	125	Total Length
2025-08-07	MCMT-2	09:27	08:40	Alive	Prickly Sculpin	Cottus asper	Adult	1	11.80	97	Total Length
2025-08-07	MCMT-3	09:48	08:59	Alive	Prickly Sculpin	Cottus asper	Adult	1	7.50	84	Total Length
2025-08-07	MCMT-3	09:48	08:59	Alive	Prickly Sculpin	Cottus asper	Adult	1	14.40	104	Total Length
2025-08-07	MCMT-3	09:48	08:59	Alive	Prickly Sculpin	Cottus asper	Adult	1	11.10	99	Total Length
2025-08-07	MCMT-4	10:01	09:10	Alive	Prickly Sculpin	Cottus asper	Adult	1	10.30	95	Total Length
2025-08-07	MCMT-4	10:01	09:10	Alive	Prickly Sculpin	Cottus asper	Juvenile	1	8.20	79	Total Length
2025-08-07	MCMT-4	10:01	09:10	Alive	Prickly Sculpin	Cottus asper	Adult	1	11.30	101	Total Length
2025-08-07	MCMT-4	10:01	09:10	Alive	Prickly Sculpin	Cottus asper	Juvenile	1	5.50	79	Total Length
2025-08-07	MCMT-4	10:01	09:10	Alive	Prickly Sculpin	Cottus asper	Adult	1	13.50	102	Total Length
2025-08-07	MCMT-4	10:01	09:10	Alive	Prickly Sculpin	Cottus asper	Adult	1	13.30	105	Total Length
2025-08-07	MCMT-4	10:01	09:10	Alive	Prickly Sculpin	Cottus asper	Adult	1	8.10	89	Total Length
2025-08-07	MCMT-4	10:01	09:10	Alive	Prickly Sculpin	Cottus asper	Adult	1	13.50	101	Total Length
2025-08-07	MCMT-4	10:01	09:10	Alive	Prickly Sculpin	Cottus asper	Adult	1	7.90	81	Total Length
2025-08-07	MCMT-4	10:01	09:10	Alive	Prickly Sculpin	Cottus asper	Adult	1	18.30	106	Total Length
2025-08-07	MCMT-4	10:01	09:10	Alive	Prickly Sculpin	Cottus asper	Adult	1	11.60	102	Total Length
2025-08-07	MCMT-5	10:17	09:57	Alive	Prickly Sculpin	Cottus asper	Adult	1	11.40	91	Total Length
2025-08-07	MCMT-5	10:17	09:57	Alive	Coastrange Sculpin	Cottus aleuticus	Adult	1	15.00	119	Total Length
2025-08-07	MCMT-5	10:17	09:57	Alive	Prickly Sculpin	Cottus asper	Adult	1	13.80	99	Total Length
2025-08-07	MCMT-5	10:17	09:57	Alive	Prickly Sculpin	Cottus asper	Adult	1	9.80	96	Total Length

Date	Site ID	Time In	Time Out	Fish Mortality	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-08-07	MCMT-5	10:17	09:57	Alive	Prickly Sculpin	Cottus asper	Adult	1	13.80	104	Total Length
2025-08-07	MCMT-8	10:45	10:23	Alive	Coho Salmon	Oncorhynchus kisutch	Juvenile	1	2.60	62	Fork Length
2025-08-07	MCMT-9	10:52	10:28	Alive	Coastrange Sculpin	Cottus aleuticus	Juvenile	1	1.30	54	Total Length
2025-08-07	MCMT-9	10:52	10:28	Alive	Coastrange Sculpin	Cottus aleuticus	Juvenile	1	--	55	Total Length

Electrofishing Surveys														
Date	eFishing Pass	Start Time	End Time	Electrofishing Seconds	Voltage (V)	Frequency (Hz)	Pulse (%)	Specific Conductivity (µS/cm)	Tide Height(m)	Water Temperature (°C)	Channel Morphology Type	Weather Notes	Total Unique Species Caught	Unique Species
2025-07-25	1	13:26	15:10	236	700	30	12	19.8	0.44	15.1	Pool,Glide,Riffle, Cascade	Warm,Sunny,Cloudy,Light_ Breeze	2	Dolly Varden, Coho Salmon
2025-08-08	1	11:36	14:33	988	800	30	12	20.9	0.76	13.8	Glide,Cascade,Run, Pool,Riffle	Sunny,Warm	6	Coastrange Sculpin, Sculpin Species, Prickly Sculpin, Coho Salmon, Dolly Varden, Rainbow Trout
2025-08-08	2	14:45	16:00	544	800	30	12	20.9	2.11	13.8	Cascade,Pool,Glide ,Riffle	Sunny,Warm	5	Coastrange Sculpin, Prickly Sculpin, Coho Salmon, Dolly Varden, Sculpin Species

Date	eFishing Pass	Start Time	End Time	Electrofishing Seconds	Fish Mortality	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-07-25	1	13:26	15:10	236	Alive	Dolly Varden	Salvelinus malma	Larva / Fry	1	--	28	Fork Length
2025-07-25	1	13:26	15:10	236	Alive	Coho Salmon	Oncorhynchus kisutch	Juvenile	1	--	61	Fork Length
2025-08-08	1	11:36	14:33	988	Alive	Coastrange Sculpin	Cottus aleuticus	Adult	1	10.10	91	Total Length
2025-08-08	1	11:36	14:33	988	Alive	Sculpin Species	Superfamily Cottoidea	Juvenile	1	--	29	Total Length
2025-08-08	1	11:36	14:33	988	Alive	Sculpin Species	Superfamily Cottoidea	Juvenile	1	--	26	Total Length
2025-08-08	1	11:36	14:33	988	Alive	Coastrange Sculpin	Cottus aleuticus	Juvenile	1	--	67	Total Length
2025-08-08	1	11:36	14:33	988	Alive	Sculpin Species	Superfamily Cottoidea	Juvenile	1	--	36	Total Length
2025-08-08	1	11:36	14:33	988	Alive	Prickly Sculpin	Cottus asper	Adult	1	6.70	89	Total Length
2025-08-08	1	11:36	14:33	988	Alive	Coastrange Sculpin	Cottus aleuticus	Adult	1	1.70	52	Total Length
2025-08-08	1	11:36	14:33	988	Alive	Prickly Sculpin	Cottus asper	Adult	1	11.00	98	Total Length
2025-08-08	1	11:36	14:33	988	Alive	Prickly Sculpin	Cottus asper	Juvenile	1	1.60	55	Total Length
2025-08-08	1	11:36	14:33	988	Alive	Prickly Sculpin	Cottus asper	Adult	1	12.10	103	Total Length
2025-08-08	1	11:36	14:33	988	Alive	Coastrange Sculpin	Cottus aleuticus	Juvenile	1	3.90	66	Total Length
2025-08-08	1	11:36	14:33	988	Alive	Prickly Sculpin	Cottus asper	Adult	1	8.30	89	Total Length
2025-08-08	1	11:36	14:33	988	Alive	Coho Salmon	Oncorhynchus kisutch	Juvenile	1	2.20	61	Fork Length
2025-08-08	1	11:36	14:33	988	Alive	Dolly Varden	Salvelinus malma	Larva / Fry	1	--	39	Fork Length
2025-08-08	1	11:36	14:33	988	Alive	Coho Salmon	Oncorhynchus kisutch	Juvenile	1	1.40	50	Fork Length
2025-08-08	1	11:36	14:33	988	Alive	Dolly Varden	Salvelinus malma	Larva / Fry	1	--	37	Fork Length

Date	eFishing Pass	Start Time	End Time	Electrofishing Seconds	Fish Mortality	Common Name	Scientific Name	Life Stage	Count	Weight (g)	Length (mm)	Measurement Type
2025-08-08	1	11:36	14:33	988	Alive	Dolly Varden	Salvelinus malma	Larva / Fry	1	--	39	Fork Length
2025-08-08	1	11:36	14:33	988	Alive	Coho Salmon	Oncorhynchus kisutch	Juvenile	1	2.10	57	Fork Length
2025-08-08	1	11:36	14:33	988	Alive	Coho Salmon	Oncorhynchus kisutch	Juvenile	1	1.00	50	Fork Length
2025-08-08	1	11:36	14:33	988	Alive	Rainbow Trout	Oncorhynchus mykiss	Adult	1	16.40	113	Fork Length
2025-08-08	1	11:36	14:33	988	Alive	Coho Salmon	Oncorhynchus kisutch	Juvenile	1	2.90	64	Fork Length
2025-08-08	1	11:36	14:33	988	Alive	Coastrange Sculpin	Cottus aleuticus	Juvenile	1	2.35	59	Total Length
2025-08-08	2	14:45	16:00	544	Alive	Coastrange Sculpin	Cottus aleuticus	Adult	1	--	106	Total Length
2025-08-08	2	14:45	16:00	544	Alive	Coastrange Sculpin	Cottus aleuticus	Juvenile	1	--	59	Total Length
2025-08-08	2	14:45	16:00	544	Alive	Prickly Sculpin	Cottus asper	Juvenile	1	--	76	Total Length
2025-08-08	2	14:45	16:00	544	Alive	Prickly Sculpin	Cottus asper	Juvenile	1	--	75	Total Length
2025-08-08	2	14:45	16:00	544	Dead	Coho Salmon	Oncorhynchus kisutch	Juvenile	1	--	--	--
2025-08-08	2	14:45	16:00	544	Alive	Dolly Varden	Salvelinus malma	Larva / Fry	1	--	34	Fork Length
2025-08-08	2	14:45	16:00	544	Alive	Coho Salmon	Oncorhynchus kisutch	Juvenile	1	--	56	Fork Length
2025-08-08	2	14:45	16:00	544	Alive	Sculpin Species	Superfamily Cottoidea	Juvenile	1	--	30	Total Length
2025-08-08	2	14:45	16:00	544	Alive	Coastrange Sculpin	Cottus aleuticus	Juvenile	1	--	60	Total Length

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-02-18	PS-AR	(49.682, -123.198)	Cloudy,Overcast	1.00	97.40	10.10	24.43	1.19	7.57	6.90	38288	--
2025-02-18	PS-NR	(49.669, -123.237)	Cloudy,Cool, Overcast	1.00	99.40	10.46	23.26	1.21	7.66	6.50	36881	--
2025-02-18	PS-4	(49.667, -123.244)	Cloudy,Overcast	1.00	99.00	9.47	22.41	1.26	7.68	6.60	35541	--
2025-02-18	PS-3	(49.665, -123.25)	Cloudy,Overcast	1.00	98.70	10.53	22.40	1.21	7.71	6.50	35852	--
2025-02-19	PS-SR	(49.653, -123.258)	Heavy Rain,Cool	1.00	102.50	10.89	21.92	1.59	7.35	6.60	35344	--
2025-02-19	PS-1	(49.66, -123.258)	Very Cold,Heavy_Rain	1.00	102.60	10.77	23.67	151.00	7.63	6.80	37741	--
2025-02-19	PS-5	(49.662, -123.256)	Very Cold,Heavy_Rain	1.00	103.50	10.95	22.46	1.47	7.77	6.70	36190	--
2025-02-19	PS-2	(49.664, -123.255)	Very Cold,Heavy_Rain	1.00	103.20	10.91	22.82	1.37	7.79	6.60	36763	--
2025-02-20	BS-4	(49.667, -123.25)	Cool	1.00	102.90	10.73	24.90	1.41	6.24	6.90	39575	--
2025-02-20	BS-AR	(49.682, -123.198)	Cool	1.00	102.60	11.44	16.48	1.46	6.83	6.10	28159	--
2025-02-20	BS-NR	(49.67, -123.237)	Cool	1.00	103.30	11.23	20.32	1.54	7.43	6.90	32541	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-02-20	BS-1	(49.661, -123.259)	Cool,Light Rain	1.00	107.40	11.23	23.77	1.39	7.44	6.80	38061	--
2025-02-20	BS-SR	(49.653, -123.259)	Cool,Light Rain	1.00	103.70	11.43	18.73	1.50	7.80	6.10	30244	--
2025-02-21	BS-5	(49.665, -123.256)	Heavy Rain,Cool	1.00	105.00	12.42	11.44	1.53	7.09	5.00	16890	--
2025-02-21	BS-2	(49.665, -123.253)	Heavy Rain	1.00	107.50	11.40	22.57	1.94	7.33	5.70	35034	--
2025-03-03	PS-AR	(49.682, -123.198)	Sunny,Calm	1.00	131.80	13.56	24.80	1.45	8.09	7.40	39270	--
2025-03-03	PS-NR	(49.669, -123.237)	Sunny,Calm	1.00	104.80	12.32	17.20	1.22	8.13	6.50	24600	--
2025-03-03	PS-4	(49.667, -123.244)	Sunny,Calm	1.00	125.00	13.09	23.47	1.64	8.21	7.40	37119	--
2025-03-03	PS-3	(49.665, -123.25)	Sunny	1.00	113.90	12.51	22.37	1.30	8.20	7.10	35600	--
2025-03-04	PS-SR	(49.653, -123.258)	Cold,Calm,Overcast	1.00	122.60	13.35	15.65	1.59	8.13	7.40	25818	--
2025-03-04	PS-1	(49.66, -123.258)	Cold,Light Rain,Mist,Overcast	1.00	124.40	12.92	18.09	1.53	8.28	7.30	38031	--
2025-03-04	PS-5	(49.662, -123.256)	Cold,Overcast	1.00	115.80	12.71	18.88	1.51	8.16	7.00	21420	--
2025-03-04	PS-2	(49.664, -123.255)	Cold,Calm,Overcast	1.00	121.40	12.70	23.53	1.23	8.19	7.20	24687	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-03-05	BS-SR	(49.653, -123.259)	Cool,Cloudy,Sunny, Light Rain	1.00	114.00	13.50	11.19	1.30	8.13	6.70	18732	--
2025-03-05	BS-NR	(49.67, -123.237)	Warm,Sunny, Cloudy	1.00	106.20	12.40	6.90	1.17	7.54	6.90	12632	--
2025-03-05	BS-AR	(49.682, -123.198)	Sunny,Warm, Cloudy	1.00	97.50	11.93	6.36	1.19	6.80	7.40	9727	--
2025-03-06	BS-4	(49.667, -123.25)	Cool,Light Breeze,Sunny	1.00	111.10	11.55	25.92	1.15	7.88	7.30	27112	--
2025-03-06	BS-2	(49.665, -123.253)	Cool,Light Breeze,Sunny	1.00	116.90	13.38	11.37	1.36	8.22	6.70	12413	--
2025-03-06	BS-5	(49.665, -123.256)	Warm,Sunny,Light Breeze	1.00	107.10	12.70	10.16	1.10	8.01	6.30	17264	--
2025-03-06	BS-1	(49.661, -123.259)	Warm,Light Breeze,Sunny	1.00	111.80	13.05	9.72	1.56	8.31	6.30	10711	--
2025-03-17	PS-AR	(49.682, -123.198)	Warm	1.00	120.80	13.48	14.75	1.74	8.23	6.70	24488	--
2025-03-17	PS-NR	(49.669, -123.237)	Cool	1.00	119.60	13.33	15.85	1.67	8.40	7.10	26661	--
2025-03-17	PS-3	(49.665, -123.25)	Warm	1.00	117.60	13.18	14.95	1.63	8.14	7.00	25855	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-03-17	PS-4	(49.667, -123.244)	Cool	1.00	112.60	13.20	7.71	0.99	7.84	5.80	13284	--
2025-03-18	PS-SR	(49.653, -123.258)	Windy	1.00	118.60	13.75	16.65	2.54	8.36	6.80	29189	--
2025-03-18	PS-1	(49.66, -123.258)	Sunny,Light Breeze	1.00	135.30	14.56	19.66	2.31	8.56	7.50	32098	--
2025-03-18	PS-5	(49.662, -123.256)	Sunny,Light Breeze	1.00	144.80	15.20	20.88	3.35	8.47	7.70	33349	--
2025-03-18	PS-2	(49.664, -123.255)	Light Breeze,Sunny	1.00	113.80	13.39	8.70	1.13	8.26	6.00	15050	--
2025-03-20	BS-NR	(49.67, -123.237)	Light Rain	1.00	122.80	13.22	18.78	1.06	8.27	7.00	30536	--
2025-03-20	BS-4	(49.667, -123.25)	Light Rain,Cool	1.00	126.50	13.41	20.79	1.05	8.31	7.20	33548	--
2025-03-20	BS-3	(49.666, -123.251)	Light Rain	1.00	129.10	13.54	21.19	1.05	8.39	7.30	34068	--
2025-03-20	BS-2	(49.665, -123.253)	Cold,Light Rain	1.00	115.10	12.41	19.10	0.97	8.32	6.80	30894	--
2025-03-19	BS-1	(49.661, -123.259)	Cool,Light Rain,Calm,Light_ Breeze	1.00	109.60	12.77	9.39	0.72	6.88	6.20	16127	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-03-19	BS-SR	(49.653, -123.259)	Cool,Light Rain,Light_Breeze , Overcast	1.00	107.70	12.75	8.76	1.06	7.29	6.10	15148	--
2025-03-19	BS-1	(49.661, -123.259)	Cool,Light Rain,Overcast,Cold	1.00	131.10	13.71	21.05	1.06	7.76	7.50	33864	--
2025-03-19	BS-AR	(49.682, -123.198)	Cool,Cold,Overcast, Light Rain	1.00	159.10	16.68	19.95	1.42	8.68	7.80	32417	--
2025-03-31	PS-NR	(49.669, -123.237)	Cold,Light Rain	1.00	102.30	11.93	8.60	1.17	6.94	7.10	14307	--
2025-03-31	PS-AR	(49.682, -123.198)	Light Rain	1.00	98.10	11.31	7.25	1.06	5.99	6.90	12631	--
2025-03-31	PS-4	(49.667, -123.244)	Light Rain	1.00	102.70	11.89	8.89	1.43	7.33	7.20	15295	--
2025-03-31	PS-3	(49.665, -123.25)	Calm,Light Breeze	1.00	104.90	11.93	9.53	1.04	7.58	7.73	16205	--
2025-04-01	PS-SR	(49.653, -123.258)	Sunny,Light Breeze	1.00	107.10	12.13	9.12	0.87	7.97	7.40	14928	--
2025-04-01	PS-1	(49.66, -123.258)	Sunny,Light Breeze	1.00	101.60	11.92	6.57	0.81	7.67	7.20	11444	--
2025-04-01	PS-5	(49.662, -123.256)	Sunny,Light Breeze	1.00	107.10	11.98	11.62	1.12	8.13	7.70	1904	--
2025-04-01	PS-2	(49.664, -123.255)	Sunny,Light Breeze	1.00	113.50	12.48	13.90	1.06	8.27	8.00	21036	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-04-01	Fyke Net 1	(49.666, -123.253)	Warm,Overcast	0.30	98.00	12.47	0.01	0.00	8.40	5.20	28.5	--
2025-04-02	BS-NR	(49.67, -123.237)	Heavy Rain	1.00	98.50	11.43	5.07	0.84	6.22	7.60	10442	--
2025-04-02	BS-4	(49.667, -123.25)	Light Rain	1.00	100.70	11.67	5.10	1.20	6.39	7.60	9196	--
2025-04-02	BS-SR	(49.653, -123.259)	Cold,Calm	1.00	100.30	11.83	3.30	0.61	6.61	7.60	6074	--
2025-04-02	BS-1	(49.661, -123.259)	Cool,Calm,Light Rain	1.00	113.20	12.49	11.54	1.92	7.29	8.20	18125	--
2025-04-02	Fyke Net 1	(49.666, -123.253)	Cool,Overcast	0.20	97.10	11.79	0.00	3.09	7.57	7.10	5.5	--
2025-04-03	BS-5	(49.665, -123.256)	Sunny,Light Breeze	1.00	103.10	11.69	10.47	0.51	6.27	7.70	18095	--
2025-04-03	BS-3	(49.666, -123.251)	Cool,Sunny,Calm	1.00	101.50	12.09	4.04	0.60	6.20	6.80	7301	--
2025-04-03	BS-AR	(49.682, -123.198)	Sunny	1.00	108.40	11.68	18.46	0.25	7.12	8.40	30174	--
2025-04-03	BS-2	(49.665, -123.253)	Warm,Sunny, Cloudy,Calm	1.00	95.60	11.60	11.44	0.10	7.95	7.10	18708	--
2025-04-03	Fyke Net 1	(49.666, -123.253)	Warm,Sunny, Cloudy	0.30	99.40	12.80	0.01	0.00	7.88	5.10	21.4	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-04-04	Fyke Net 1	(49.666, -123.253)	Sunny,Cool	0.30	104.50	13.49	0.01	0.00	6.04	4.60	18	--
2025-04-14	PS-3	(49.665, -123.25)	Calm	1.00	103.90	11.24	13.16	0.10	8.01	8.80	21422	--
2025-04-14	PS-4	(49.667, -123.244)	Calm	1.00	104.80	11.45	10.93	0.12	7.84	8.60	18371	--
2025-04-14	PS-NR	(49.669, -123.237)	Calm,Cloudy	1.00	105.40	11.67	9.01	0.31	7.73	8.40	15878	--
2025-04-14	PS-AR	(49.682, -123.198)	Calm	1.00	108.30	11.67	11.65	0.19	7.44	9.10	19874	--
2025-04-15	PS-SR	(49.653, -123.258)	Sunny,Light Breeze	1.00	118.80	12.10	17.55	0.00	7.90	9.10	29831	--
2025-04-15	PS-1	(49.66, -123.258)	Sunny,Light Breeze	1.00	108.70	11.84	9.03	0.18	8.01	9.20	158.11	--
2025-04-15	PS-5	(49.662, -123.256)	Sunny,Light Breeze	1.00	118.00	12.13	15.20	0.00	8.25	9.50	24189	--
2025-04-15	PS-2	(49.664, -123.255)	Sunny,Light Breeze	1.00	125.10	12.37	21.76	0.00	8.24	9.70	24852	--
2025-04-16	BS-5	(49.665, -123.256)	Warm,Sunny	1.00	106.10	11.69	7.68	0.32	6.24	9.10	13913	--
2025-04-16	BS-1	(49.661, -123.259)	Warm,Sunny,Windy	1.00	103.40	11.53	5.68	0.51	6.66	9.10	10093	--
2025-04-16	BS-AR	(49.682, -123.198)	Warm,Sunny,Light Breeze	1.00	109.80	11.34	14.69	0.15	7.81	10.20	23825	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-04-17	BS-3	(49.666, -123.251)	Sunny	1.00	112.40	12.04	12.43	0.22	8.13	9.00	20831	--
2025-04-17	BS-4	(49.667, -123.25)	Sunny	1.00	126.30	12.65	21.88	0.25	8.28	9.50	31704	--
2025-04-17	BS-2	(49.665, -123.253)	Sunny,Calm	1.00	115.40	12.28	11.04	0.43	8.30	8.90	19318	--
2025-04-17	BS-NR	(49.67, -123.237)	Sunny,Warm	1.00	117.40	12.31	13.10	0.37	8.26	9.60	21847	--
2025-04-17	BS-SR	(49.653, -123.259)	Warm,Sunny	1.00	119.00	12.40	15.13	0.23	8.33	9.40	25084	--
2025-04-28	PS-AR	(49.682, -123.198)	Cool,Light Rain	1.00	116.60	11.75	13.56	1.04	7.97	11.80	23747	--
2025-04-28	PS-NR	(49.669, -123.237)	Cool,Light Rain	1.00	112.50	11.73	8.73	2.30	8.16	11.10	15720	--
2025-04-28	PS-4	(49.667, -123.244)	Rain,Windy	1.00	111.80	11.73	8.75	2.53	8.22	10.70	15045	--
2025-04-28	PS-4	(49.667, -123.244)	Rain,Windy	1.00	111.80	11.73	8.75	2.53	8.22	10.70	15045	--
2025-04-28	PS-5	(49.662, -123.256)	Rain,Cool	1.00	111.30	11.72	10.64	2.11	8.23	11.20	17650	--
2025-04-29	PS-SR	(49.653, -123.258)	Cool,Cloudy, Overcast,Light Breeze	1.00	104.50	12.40	3.65	2.96	7.47	8.30	6755	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-04-29	PS-1	(49.66, -123.258)	Cool,Cloudy, Overcast,Light Breeze	1.00	105.80	11.90	4.72	3.07	7.50	8.50	8175	--
2025-04-29	PS-3	(49.665, -123.25)	Cool,Sunny, Overcast	1.00	102.90	11.82	3.23	3.51	7.37	8.50	5974	--
2025-04-29	BS-2	(49.665, -123.253)	Light Rain,Overcast, Sunny,Warm	1.00	103.90	12.08	2.90	2.46	7.37	8.10	5370	--
2025-05-07	PS-4	(49.667, -123.244)	Warm,Sunny,Calm	1.00	95.00	10.59	4.29	2.77	7.38	9.40	7560	--
2025-04-30	BS-3	(49.666, -123.251)	Sunny,Warm,Calm	1.00	94.10	10.51	2.35	3.20	7.43	9.80	4378	--
2025-04-30	BS-1	(49.661, -123.259)	Sunny,Warm,Calm	1.00	99.40	11.04	2.51	4.43	7.67	10.00	4701	--
2025-04-30	BS-AR	(49.682, -123.198)	Warm,Light Breeze,Sunny	1.00	103.90	10.84	7.53	2.33	8.24	11.30	13155	--
2025-05-01	BS-2	(49.665, -123.253)	Sunny,Warm	1.00	96.80	10.69	5.06	1.53	7.71	9.40	8940	--
2025-05-01	BS-NR	(49.67, -123.237)	Warm,Sunny	1.00	97.20	10.49	6.26	2.73	7.86	10.20	11033	--
2025-05-01	BS-SR	(49.653, -123.259)	Warm,Sunny	1.00	99.50	10.76	4.39	2.08	7.91	10.50	7931	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-05-01	BS-5	(49.665, -123.256)	Warm,Sunny,Calm	1.00	98.40	10.64	5.01	1.88	7.97	10.60	8726	--
2025-05-12	PS-3	(49.665, -123.25)	Warm,Calm	1.00	101.90	11.22	7.20	1.48	7.64	10.40	9028	--
2025-05-12	PS-4	(49.667, -123.244)	Warm,Calm	1.00	106.50	11.39	6.55	1.52	7.76	10.60	8376	--
2025-05-12	PS-NR	(49.669, -123.237)	Warm,Calm	1.00	108.20	11.39	7.77	1.41	7.98	11.00	9858	--
2025-05-12	PS-AR	(49.682, -123.198)	Cool,Sunny,Light Breeze	1.00	109.70	11.10	11.59	1.44	8.20	12.20	14935	--
2025-05-13	PS-SR	(49.653, -123.258)	Warm,Sunny,Light Breeze	1.00	108.90	11.29	7.13	1.65	7.75	11.80	9194	--
2025-05-13	PS-1	(49.66, -123.258)	Warm,Sunny,Light Breeze	1.00	108.80	11.33	6.68	1.62	7.90	11.50	8310	--
2025-05-13	PS-5	(49.662, -123.256)	Warm,Sunny,Light Breeze	1.00	104.20	10.95	6.22	1.56	7.91	11.60	10801	Conductivity not spc for yesterday
2025-05-13	PS-2	(49.664, -123.255)	Warm,Sunny,Light Breeze	1.00	107.90	11.27	6.41	1.44	7.66	11.60	11293	--
2025-05-14	BS-2	(49.665, -123.253)	Overcast,Very Windy	1.00	103.90	12.54	0.72	0.11	6.40	9.20	4097	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-05-14	BS-1	(49.661, -123.259)	Warm,Cloudy, Windy	1.00	108.30	11.55	5.21	0.98	7.65	11.20	9316	--
2025-05-14	BS-5	(49.665, -123.256)	Very Windy	1.00	106.70	11.35	5.55	0.82	7.89	12.60	12547	--
2025-05-14	BS-AR	(49.682, -123.198)	Very Windy	1.00	104.90	11.10	4.44	2.14	7.78	12.00	7985	--
2025-05-15	BS-NR	(49.67, -123.237)	Calm	1.00	105.00	11.43	2.68	3.37	7.06	10.90	5015	--
2025-05-15	BS-SR	(49.653, -123.259)	Warm,Cloudy,Calm	1.00	105.00	11.68	2.06	2.65	7.02	10.10	3863	--
2025-05-15	BS-4	(49.667, -123.25)	Warm,Cloudy,Calm	1.00	104.80	11.55	2.08	3.03	7.16	10.40	3860	--
2025-05-15	BS-3	(49.666, -123.251)	Warm,Cloudy,Calm	1.00	104.70	11.58	2.02	3.24	7.24	10.30	3835	--
2025-05-27	PS-AR	(49.682, -123.198)	Cool,Cloudy ,Overcast	1.00	108.50	10.73	6.70	1.52	7.54	13.30	10100	--
2025-05-27	PS-NR	(49.669, -123.237)	Cool,Cloudy ,Overcast,Light Breeze	1.00	104.20	10.66	4.50	1.83	7.16	13.40	8585	--
2025-05-27	PS-1	(49.66, -123.258)	Warm,Overcast	1.00	103.00	11.36	2.03	3.17	6.48	11.10	4262	--
2025-05-27	PS-5	(49.662, -123.256)	Warm,Overcast	1.00	103.30	11.06	2.60	3.06	6.90	11.20	4624	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-05-28	BS-SR	(49.653, -123.259)	Sunny,Warm	1.00	109.40	10.92	7.57	2.25	7.90	13.50	13283	--
2025-05-28	BS-1	(49.661, -123.259)	Warm,Fog,Sunny	1.00	110.30	11.03	5.65	2.04	8.04	13.70	9921	--
2025-05-28	BS-NR	(49.67, -123.237)	Warm,Sunny	1.00	114.10	11.19	11.03	1.34	8.30	13.80	18917	--
2025-05-28	BS-AR	(49.682, -123.198)	Sunny,Warm	1.00	114.10	11.00	11.21	1.47	8.22	13.90	18421	--
2025-05-29	BS-2	(49.665, -123.253)	Cold,Rain,Cloudy	1.00	102.80	12.23	0.06	0.00	5.55	7.90	121.9	--
2025-05-29	BS-5	(49.665, -123.256)	Cold,Rain,Cloudy	1.00	107.30	11.21	5.27	1.98	6.85	12.00	9376	--
2025-05-29	BS-4	(49.667, -123.25)	Cold,Rain,Cloudy	1.00	102.30	10.92	3.80	6.07	6.94	11.70	7061	--
2025-05-30	PS-SR	(49.653, -123.258)	Cold,Overcast	1.00	102.00	11.60	1.77	23.15	6.16	9.40	3385	--
2025-05-30	PS-2	(49.664, -123.255)	Warm	1.00	100.80	11.45	1.94	21.34	6.51	9.50	3686	--
2025-05-30	PS-3	(49.665, -123.25)	Warm	1.00	103.50	11.53	2.56	17.73	6.85	10.00	4725	--
2025-05-30	PS-4	(49.667, -123.244)	Warm	1.00	104.10	11.60	2.03	19.90	7.32	10.00	3895	--
2025-06-09	PS-SR	(49.653, -123.258)	Hot	1.00	97.10	10.38	1.58	20.36	6.79	12.10	3007	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-06-09	PS-1	(49.66, -123.258)	Hot	1.00	103.60	10.98	1.40	10.85	6.77	13.20	2669	--
2025-06-09	PS-NR	(49.669, -123.237)	Hot	1.00	103.30	10.78	1.57	14.60	6.71	12.50	2287	--
2025-06-09	PS-AR	(49.682, -123.198)	Hot	1.00	104.20	10.82	2.00	12.81	6.85	13.20	3113	--
2025-06-10	BS-3	(49.666, -123.251)	Hot,Sunny,Cloudy, Calm	1.00	101.60	11.10	1.07	16.10	6.92	11.20	2054	--
2025-06-10	BS-4	(49.667, -123.25)	Hot,Cloudy,Sunny, Calm	1.00	103.60	11.16	1.31	20.71	6.96	11.70	2508	--
2025-06-10	BS-NR	(49.67, -123.237)	Hot,Calm,Sunny	1.00	104.60	11.14	1.55	18.19	7.00	12.00	2292	--
2025-06-10	BS-AR	(49.682, -123.198)	Hot,Sunny,Light Breeze	1.00	105.00	11.14	0.91	22.07	6.97	12.30	1822	--
2025-06-11	BS-SR	(49.653, -123.259)	Warm	1.00	102.40	11.11	1.29	23.12	6.50	11.30	2486	--
2025-06-11	BS-1	(49.661, -123.259)	Warm	1.00	105.60	11.39	1.32	20.95	6.88	11.60	2534	--
2025-06-11	BS-2	(49.665, -123.253)	Warm	1.00	103.00	11.15	1.68	28.42	6.62	11.50	3817	--
2025-06-11	BS-5	(49.665, -123.256)	Warm	1.00	108.20	11.32	1.45	23.30	6.73	12.90	2787	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-06-12	PS-4	(49.667, -123.244)	Cool,Cloudy	1.00	104.20	11.25	0.94	20.70	6.60	11.70	1912	--
2025-06-12	PS-3	(49.665, -123.25)	Cool,Cloudy	1.00	104.80	11.30	1.17	20.89	6.66	11.70	2300	--
2025-06-18	MCMT 1	(49.666, -123.253)	Overcast	0.40	100.20	11.21	0.00	0.26	5.27	10.30	9.7	--
2025-06-18	MCMT-4	(49.666, -123.254)	Overcast	0.50	101.50	11.40	0.00	0.35	5.61	10.20	8.5	--
2025-06-18	MCMT-8	(49.667, -123.255)	Light Rain,Cool	1.00	99.10	11.15	0.00	0.35	6.25	10.30	8.2	--
2025-06-19	MCMT 1	(49.666, -123.253)	Warm,Sunny	0.70	93.70	10.89	0.00	0.39	5.63	9.10	11	--
2025-06-19	MCMT-4	(49.666, -123.254)	Warm,Sunny	0.50	93.80	10.93	0.00	0.25	5.91	9.00	8.8	--
2025-06-19	MCMT-8	(49.667, -123.255)	Warm,Sunny	1.00	97.20	11.21	0.00	0.30	6.08	9.20	8.8	--
2025-06-20	MCMT 1	(49.666, -123.253)	Overcast,Warm	1.00	99.30	11.36	0.00	0.32	6.02	9.50	12.6	--
2025-06-20	MCMT-4	(49.666, -123.254)	Overcast,Warm	0.35	96.80	11.11	0.00	0.25	6.19	9.40	10.2	--
2025-06-20	MCMT-8	(49.667, -123.255)	Warm,Overcast	0.50	95.10	10.96	0.00	0.26	6.30	9.50	10	--
2025-06-23	PS-3	(49.665, -123.25)	Warm,Overcast,Calm	1.00	1.00	11.32	0.66	6.75	6.68	11.00	1299	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-06-23	PS-4	(49.667, -123.244)	Overcast	1.00	105.20	11.38	0.88	10.68	6.78	11.60	1753	--
2025-06-23	PS-NR	(49.669, -123.237)	Overcast	1.00	103.90	11.14	1.24	10.12	6.50	12.20	2410	--
2025-06-23	PS-AR	(49.682, -123.198)	Warm,Overcast,Calm	1.00	100.70	11.03	8.55	2.47	7.09	13.10	14981	--
2025-06-24	PS-SR	(49.653, -123.258)	Warm,Sunny	1.00	107.50	11.26	1.65	9.38	6.97	12.80	3142	--
2025-06-24	PS-1	(49.66, -123.258)	Sunny,Hot	1.00	108.80	11.49	1.52	7.16	6.77	12.50	2906	--
2025-06-24	PS-5	(49.662, -123.256)	Hot,Sunny	1.00	109.40	11.47	1.49	8.76	6.87	12.80	2837	--
2025-06-24	PS-2	(49.664, -123.255)	Hot,Sunny	1.00	109.40	11.49	1.39	6.61	6.82	12.70	2648	--
2025-06-25	BS-2	(49.665, -123.253)	Cool,Overcast,Calm,Rain	1.00	103.10	11.44	0.08	0.06	5.92	10.70	159.5	--
2025-06-25	BS-SR	(49.653, -123.259)	Cool,Overcast,Calm	1.00	107.60	11.17	2.28	9.01	6.86	13.00	4255	--
2025-06-25	BS-1	(49.661, -123.259)	Cool,Overcast,Calm	1.00	108.10	11.28	1.94	13.17	6.90	12.90	3678	--
2025-06-25	BS-AR	(49.682, -123.198)	Cool,Calm,Rain	1.00	107.50	10.96	3.04	11.69	6.55	13.60	5552	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-06-26	BS-NR	(49.67, -123.237)	Cool,Overcast	1.00	105.60	11.09	2.82	8.64	6.49	12.40	5202	--
2025-06-26	BS-4	(49.667, -123.25)	Cool,Overcast	1.00	106.40	11.32	2.19	8.40	6.72	12.00	4165	--
2025-06-26	BS-3	(49.666, -123.251)	Cool,Overcast	1.00	108.00	11.43	2.26	9.53	7.02	12.20	4228	--
2025-06-26	BS-5	(49.665, -123.256)	Cool,Overcast	1.00	106.90	11.28	2.64	7.88	6.73	12.20	4967	--
2025-07-07	PS-3	(49.665, -123.25)	Hot,Sunny	1.00	107.20	10.86	1.14	7.45	6.83	14.20	1785	--
2025-07-07	PS-4	(49.667, -123.244)	Hot,Sunny	1.00	111.30	10.62	10.85	5.15	8.06	15.60	13438	--
2025-07-07	PS-NR	(49.669, -123.237)	Sunny,Hot	1.00	111.40	10.96	4.25	8.82	7.86	15.00	6565	--
2025-07-07	PS-AR	(49.682, -123.198)	Warm,Sunny	1.00	107.70	10.71	1.45	9.80	7.33	15.30	2785	--
2025-07-09	BS-4	(49.667, -123.25)	Rain	1.00	99.70	10.24	1.44	10.57	5.98	14.00	2754	--
2025-07-09	BS-1	(49.661, -123.259)	Rain	1.00	105.00	10.77	1.42	12.33	6.80	13.90	2787	--
2025-07-09	BS-SR	(49.653, -123.259)	Overcast,Rain	1.00	105.20	11.01	1.84	32.16	6.89	12.80	2667	--
2025-07-09	BS-AR	(49.682, -123.198)	Overcast,Rain	1.00	108.70	10.59	3.66	8.06	7.75	15.70	5455	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-07-10	BS-NR	(49.67, -123.237)	Overcast	1.00	101.90	10.74	1.39	34.86	6.12	12.80	2643	--
2025-07-10	BS-2	(49.665, -123.253)	Cool,Light Breeze	1.00	103.10	10.93	0.90	36.59	6.47	12.60	1832	--
2025-07-10	BS-3	(49.666, -123.251)	Cool,Light Breeze	1.00	103.50	10.97	0.88	40.77	6.60	12.50	1732	--
2025-07-10	BS-5	(49.665, -123.256)	Cool,Light Breeze	1.00	104.10	10.99	0.96	34.51	6.99	12.70	1904	--
2025-07-21	PS-SR	(49.653, -123.258)	Hot,Sunny	1.00	101.90	10.15	1.80	14.61	7.16	15.10	3409	--
2025-07-21	PS-1	(49.66, -123.258)	Hot,Sunny	1.00	102.50	10.13	2.07	13.85	6.85	15.30	3880	--
2025-07-21	PS-5	(49.662, -123.256)	Hot,Sunny	1.00	102.20	9.97	3.68	11.20	7.32	15.60	6730	--
2025-07-21	PS-2	(49.664, -123.255)	Warm,Sunny	1.00	105.00	10.10	4.02	10.58	7.93	15.80	8580	--
2025-07-22	PS-AR	(49.682, -123.198)	Warm,Hot,Sunny	1.00	102.70	10.00	1.97	11.45	6.81	16.20	3707	--
2025-07-22	PS-NR	(49.669, -123.237)	Warm,Hot,Sunny	1.00	99.20	9.62	3.44	11.25	7.33	16.50	6111	--
2025-07-22	PS-4	(49.667, -123.244)	Warm,Sunny	1.00	104.20	10.20	2.40	12.24	7.39	15.80	4535	--
2025-07-22	PS-3	(49.665, -123.25)	Warm,Sunny	1.00	102.20	9.95	2.59	11.67	7.20	16.90	4683	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-07-23	BS-NR	(49.67, -123.237)	Warm,Hot,Sunny	1.00	103.30	10.12	3.09	13.45	7.39	16.00	6290	--
2025-07-23	BS-3	(49.666, -123.251)	Warm,Sunny	1.00	102.40	9.84	3.62	9.83	7.79	16.40	7351	--
2025-07-23	BS-AR	(49.682, -123.198)	Warm,Hot,Sunny	1.00	108.50	10.04	4.35	9.99	7.90	17.90	7752	--
2025-07-25	MCMT-8	(49.667, -123.255)	Warm,Cloudy	15.10	101.10	10.81	0.01	0.00	6.54	15.10	19.8	--
2025-08-06	MCMT 1	(49.666, -123.253)	Overcast,Warm	0.40	100.70	10.23	0.01	0.00	6.38	14.70	29.5	--
2025-08-06	MCMT-4	(49.666, -123.254)	Cool,Cloudy	0.20	100.70	10.22	0.01	0.00	6.34	14.70	25.9	--
2025-08-06	MCMT-8	(49.667, -123.255)	Overcast	0.50	100.90	10.27	0.01	0.00	6.43	14.60	20.8	--
2025-08-07	MCMT 1	(49.666, -123.253)	Warm,Sunny, Cloudy	0.40	95.00	9.72	0.02	1.95	5.85	14.40	48	--
2025-08-07	MCMT-4	(49.666, -123.254)	Warm,Sunny	0.20	95.30	9.68	0.01	0.00	6.02	14.50	26.9	--
2025-08-07	MCMT-8	(49.667, -123.255)	Warm,Sunny	0.40	94.70	9.73	0.01	0.00	5.86	14.20	17.5	--
2025-08-08	MCMT 1	(49.666, -123.253)	Warm,Sunny	0.30	102.50	10.57	0.17	1.87	5.77	13.90	343.1	--
2025-08-08	MCMT-4	(49.666, -123.254)	Warm,Sunny	0.25	103.90	10.72	0.01	0.00	5.85	13.90	27	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-08-08	MCMT-8	(49.667, -123.255)	Warm,Sunny	0.50	103.30	10.66	0.01	0.00	6.18	13.80	20.9	--
2025-08-12	Segment 1	(49.666, -123.253)	Hot,Sunny	1.00	110.40	10.65	3.27	19.05	7.12	16.20	5986	--
2025-08-12	Segment 3	(49.667, -123.254)	Hot,Sunny	0.30	104.70	10.28	0.25	0.06	6.13	16.20	520	--
2025-08-12	Segment 5	(49.667, -123.255)	Hot,Sunny	0.50	102.00	10.13	0.01	0.00	6.28	15.80	26.2	--
2025-08-15	Segment 5	(49.667, -123.255)	Rain,Warm	0.30	102.10	10.37	0.01	0.00	5.67	14.70	27.7	--
2025-08-15	Segment 3	(49.667, -123.254)	Rain,Warm	0.20	103.60	10.47	0.01	4.13	5.97	14.90	34.5	Turbidity from 36t bridge from rai event
2025-08-15	Segment 1	(49.666, -123.253)	Rain,Warm	1.00	106.50	10.73	1.53	17.20	6.24	14.60	29.42	--
2025-08-22	Segment 1	(49.666, -123.253)	Very Hot	0.30	100.80	10.48	0.17	0.00	7.34	13.60	3141	--
2025-08-22	Segment 3	(49.667, -123.254)	Very Hot	0.15	101.10	10.32	0.09	0.00	7.39	14.50	197	--
2025-08-22	Segment 5	(49.667, -123.255)	Very Hot	0.40	100.40	10.50	0.01	0.00	7.40	13.40	21.9	--
2025-08-26	Segment 5	(49.667, -123.255)	Sunny,Hot	0.30	97.40	9.83	0.02	0.00	7.85	14.90	45.2	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-08-26	Segment 3	(49.667, -123.254)	Hot,Sunny	0.20	98.70	9.77	0.29	0.00	7.93	15.60	575	--
2025-08-26	Segment 1	(49.666, -123.253)	Hot,Sunny	0.40	109.40	9.76	20.33	6.80	8.20	15.20	32445	--
2025-08-29	Segment 1	(49.666, -123.253)	Warm,Cloudy,Sunny	0.40	119.40	11.36	9.51	5.95	7.64	15.00	16244	--
2025-08-29	Segment 3	(49.667, -123.254)	Hot,Warm,Sunny, Cloudy	0.30	102.60	10.02	0.04	0.00	5.93	16.20	93.5	--
2025-08-29	Segment 5	(49.667, -123.255)	Sunny,Hot,Warm, Cloudy	0.50	100.50	9.98	0.02	0.00	6.04	15.70	51.7	--
2025-09-05	Segment 1	(49.666, -123.253)	Warm	0.20	102.60	10.29	0.15	0.30	7.32	15.20	280.7	--
2025-09-05	Segment 3	(49.667, -123.254)	Warm	0.20	102.30	10.26	0.04	0.00	8.15	15.40	83.6	--
2025-09-05	Segment 5	(49.667, -123.255)	Warm	0.50	98.60	9.70	0.02	0.00	8.18	16.00	46.8	--
2025-09-09	Segment 5	(49.667, -123.29)	Warm,Overcast	0.35	99.20	9.99	0.02	0.00	7.86	15.00	40.8	--
2025-09-09	Segment 3	(49.667, -123.254)	Overcast,Warm	0.20	106.70	10.57	0.07	0.00	8.41	15.80	153.3	--
2025-09-09	Segment 1	(49.666, -123.253)	Warm,Sunny	0.30	104.80	10.27	0.36	3.45	8.34	15.80	1093	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-09-12	Segment 3	(49.667, -123.254)	Warm,Cool,Sunny, Cloudy,Light Breeze	0.10	100.70	10.03	4.12	12.52	6.61	14.50	7404	Visibly turbid, high tide 4.16m at 10:34
2025-09-19	Segment 1	(49.666, -123.253)	Hot,Warm,Light Breeze,Sunny	0.10	97.30	10.11	0.04	0.00	6.88	13.60	69.4	Water clear, tide low
2025-09-19	Segment 3	(49.667, -123.254)	Sunny,Hot,Light Breeze	0.10	95.40	9.40	0.03	0.00	6.93	13.40	60.8	Photos: us, ds, lb, rb
2025-09-24	Segment 5	(49.667, -123.255)	Warm	-99.00	98.10	10.31	0.02	0.00	6.50	13.00	37.7	--
2025-09-24	Segment 3	(49.667, -123.254)	Sunny	-99.00	96.60	10.01	0.33	0.00	6.84	13.70	692	--
2025-09-24	Segment 1	(49.666, -123.253)	Warm,Sunny	-99.00	107.50	10.00	10.88	3.83	8.20	14.20	18395	--
2025-09-26	Segment 1	(49.666, -123.253)	Cool,Overcast	0.20	101.10	9.76	12.84	6.38	7.89	13.00	21321	High tide
2025-09-26	Segment 3	(49.666, -123.251)	Cold,Overcast	0.30	100.10	10.42	5.99	9.06	6.47	12.00	10269	Hightide
2025-10-03	Segment 1	(49.666, -123.253)	Cloudy	0.00	101.70	11.54	0.01	0.00	5.76	9.80	21.8	--
2025-10-03	Segment 5	(49.667, -123.255)	Overcast	0.00	102.80	11.63	0.01	0.00	5.47	9.90	13.5	--
2025-10-03	Segment 3	(49.666, -123.254)	Sunny	0.00	102.10	11.51	0.00	0.00	5.75	10.10	37.5	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-10-10	Segment 1	(49.666, -123.253)	Cool,Cloudy	-99.00	85.70	8.16	21.91	1.48	7.08	11.30	34877	--
2025-10-10	Segment 3	(49.667, -123.254)	Cloudy,Cool	-99.00	86.50	8.25	21.55	1.21	7.34	11.30	34461	--
2025-10-10	Segment 5	(49.667, -123.255)	Cloudy,Sunny	-99.00	100.20	11.34	0.01	0.00	7.72	9.90	29.9	--
2025-10-14	Segment 5	(49.667, -123.255)	Sunny	0.00	100.50	12.29	0.01	0.00	5.10	6.70	19.3	--
2025-10-14	Segment 3	(49.667, -123.254)	Sunny	0.00	100.30	12.22	0.03	0.00	5.21	6.90	63.1	--
2025-10-14	Segment 1	(49.666, -123.253)	Sunny	0.00	86.80	8.73	21.79	2.39	7.05	8.70	34854	--
2025-10-17	Segment 1	(49.666, -123.253)	Sunny	0.00	102.40	12.03	0.08	0.00	7.20	8.30	168.8	--
2025-10-17	Segment 3	(49.667, -123.254)	Cold,Sunny	0.20	102.10	11.97	0.01	0.00	7.29	8.50	30.4	--
2025-10-17	Segment 5	(49.667, -123.255)	Sunny	1.00	101.90	11.96	0.01	0.00	7.37	8.30	24.8	--
2025-10-24	Segment 5	(49.665, -123.256)	Heavy Rain,Cold	1.00	104.20	12.29	0.00	9.35	5.56	8.20	8.9	Very high water level
2025-10-24	Segment 3	(49.666, -123.251)	Cold,Heavy Rain	1.00	102.70	12.12	0.00	8.83	5.38	8.20	8.9	--
2025-10-24	Segment 1	(49.666, -123.253)	Heavy Rain	0.00	102.90	12.13	0.00	9.24	5.49	8.20	8.9	--
2025-10-31	Segment 1	(49.666, -123.253)	Rain,Cool,Snow	0.20	102.10	12.36	0.04	1.56	6.75	7.10	55.4	--

Water Quality Surveys												
Date / Time	Site ID	Coordinates	Weather Notes	Depth (m)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (NTU)	pH	Temp (° C)	Specific Conductivity (µS/cm)	Notes
2025-10-31	Segment 3	(49.667, -123.254)	Rain	0.30	101.80	12.32	0.01	1.95	6.33	7.10	17.1	--
2025-10-31	Segment 5	(49.667, -123.255)	Rain	0.46	102.40	12.38	0.01	2.80	6.63	7.10	15.4	--
2025-11-06	Segment 5	(49.667, -123.255)	Heavy Rain	0.20	104.60	12.55	0.00	1.48	6.25	7.50	9.3	--
2025-11-06	Segment 3	(49.667, -123.254)	Heavy Rain	0.05	102.80	12.35	0.00	21.10	6.38	7.60	1	--
2025-11-06	Segment 1	(49.666, -123.253)	Heavy Rain,Cold	0.60	104.00	12.46	0.00	1.71	6.42	7.50	10.4	--
2025-11-20	Segment 1	(49.666, -123.253)	Cold,Overcast,Light Rain	0.50	96.60	10.65	13.85	5.03	7.53	7.10	22750	--
2025-11-20	Segment 3	(49.667, -123.254)	Cold,Calm,Light Rain,Overcast	0.70	102.40	12.60	0.01	3.86	8.00	6.50	28.9	--
2025-11-20	Segment 5	(49.667, -123.255)	Cold,Calm,Overcast, Light Rain	0.20	103.90	12.77	0.01	3.63	6.80	6.50	21.6	--
2025-11-27	Segment 1	(49.666, -123.253)	Cold,Rain	0.50	81.70	7.20	-99.00	4.57	7.52	8.60	-99	--
2025-11-27	Segment 3	(49.667, -123.254)	Cold,Light Rain	1.22	77.50	6.35	-99.00	4.24	7.37	9.00	-99	--
2025-11-27	Segment 5	(49.667, -123.255)	Cold,Light Rain	0.52	104.10	12.90	0.01	3.84	6.91	6.20	33.7	--

APPENDIX G

BIOLOGICA AIS SETTLEMENT PLATES METHODS

Marine Benthic Enumeration and Identification Methods
Client: Keystone Environmental
Project: Aquatic Invasive Species 2025
Settlement Plates Batch 1 and 2

Sample Inventory

Sample arrival: 22-Apr-25
Number of samples: 9 (B1=6, B2=3)
Number of bags: 9 (B1=6, B2=3)
Lab screen size: 45 µm
Biologica project number: ep25-115

The chain of custody documents were checked and approved with the client. Samples were stored in 10% Formalin in Ziplock bags, and each sample was provided a unique identification number and placed in the queue for analysis.

Table 1. Summary of settlement plates processed for Keystone Environmental Aquatic Invasive Species, 2025 Batch 1 and 2.

Batch	Client Sample ID	Date Sampled	Biologica Sample ID	Comment
1	AIS 2-1	15-Apr-25	ep25-115-001	Analyzed
1	AIS 2-2	15-Apr-25	ep25-115-002	Analyzed
1	AIS 2-3	15-Apr-25	ep25-115-003	Analyzed
1	AIS NR-1	16-Apr-25	ep25-115-004	Analyzed
1	AIS NR-2	16-Apr-25	ep25-115-005	Analyzed
1	AIS NR-3	16-Apr-25	ep25-115-006	Analyzed
2	AIS SR-1	13-Jun-25	ep25-115-007	Analyzed
2	AIS SR-2	13-Jun-25	ep25-115-008	Analyzed
2	AIS SR-3	13-Jun-25	ep25-115-009	Analyzed

Sample Processing

Plates were removed and processed in water. Formalin was screened through a 45 µm geological screen to collect unattached organisms. The top and bottom surface of each plate was scanned to identify epifaunal taxa, including invertebrates. Each taxon attached to the plate was assigned a value to categorize the percent coverage (Table 2).

Table 2. Percent cover categories for Keystone Aquatic Invasive Species, 2025.

Category	Percent Cover
1	Covering <5% of surfaces
2	Covering 5-10% of surfaces
3	Covering 10-25% of surfaces
4	Covering 25-50% of surfaces

Category	Percent Cover
5	Covering 50-75% of surfaces
6	Covering 75-100% of surfaces

All colonial organisms and abundant sessile (attached/encrusting) organisms, including barnacles and Mytilidae, were counted and recorded as percent cover. Organisms were considered abundant if newly settled individuals were present or individuals were too numerous to accurately be enumerated. All other organisms including solitary and mobile organisms (worms, amphipods, chironomids etc.) were identified and individually counted.

Sample plates that contained a covering of diatoms – both solitary and colonial filaments, or macroalgae, were assigned a percent cover category but were not identified.

All taxa were reviewed for inclusion of possible aquatic invasive species (AIS) (Jennifer L Molnar, Rebecca L Gamboa, Carmen Revenga, Mark D Spalding. 2008). No known non-indigenous (NIS) taxa were identified.

Some taxa groups identified include invasive species: the family Corophiidae (amphipods), the family/genus Mytilidae/*Mytilus* (mussels), and the order Balanomorpha (barnacles). However, the specimens were too immature or damaged to determine genus or species identifications. For one taxon previously referred to as "Non-native to Canada", *Platynereis bicanaliculata,* the status has been updated to reflect existing literature, as it may be native to parts of the Canadian coast (Claudi, et al., 2002; WoRMS, 2025).

Data

Results were provided to the Keystone Environmental project manager in Excel spreadsheets via email.

Selected Methodological and Taxonomic References

Cadien, D. B. (2006). Cumacea of the NEP: equator to Aleutians and intertidal to the abyss Part 1. Introduction and general comments. Southern California Association of Marine Invertebrate Taxonomists SCAMIT.

Carlton JT. 2007. Light's Manual, Intertidal Invertebrates of the Central California Coast. 4th ed. Berkley (CA): University of California Press. 964pp.

Claudi, R., Nantel, P., & Muckle-Jeffs, E. 2002. Alien Invaders. Ottawa: Natural Resources Canada, Canadian Forest Service, Science Branch.

Coan EV, Scott PV, Bernard FR. 2000. Bivalve Seashells of Western North America: Marine Bivalve Molluscs from Arctic Alaska to Baja California. Santa Barbara Museum of Natural History Monographs No. 2. 764pp.

Environment Canada. 2010. Pulp and Paper Environmental Effects Monitoring (EEM) Technical Guidance Document.

Environment Canada. 2012. Metal Mining Environmental Effects Monitoring (EEM) Technical Guidance Document.

Environment Canada. 2002. Revised Guidance for Sample Sorting and Subsampling Protocols for EEM Benthic Invertebrate Community Surveys. https://www.ec.gc.ca/esee-eem/default.asp?lang=En&n=F919D331-1. Accessed December 2012.

Environmental Protection Agency. 1987. Recommended Protocols for Sampling and Analyzing Macroinvertebrate Assemblages in Puget Sound. http://www.psparchives.com/our_work/science/protocols.htm. Accessed January 2014.

Fofonoff, P. W., Ruiz, G. M., Steves, B., Simkanin, C., & Carlton, J. T. 2024. National Exotic Marine and Estuarine Species Information System. <http://invasions.si.edu/nemesis>.

Kozloff EN. 1987. Marine Invertebrates of the Pacific Northwest. Seattle (WA): University of Washington Press. 511pp.

Molnar, J. L., Gamboa, R. L., Revenga, C., & Spalding, M. D. (2008). Assessing the global threat of invasive species to marine biodiversity. Frontiers in Ecology and the Environment, 6(9), 485-492.

Radashevsky, Vasily. 2005. On Adult and Larval Morphology of Polydora cornuta Bosc, 1802 (Annelida: Spionidae). Zootaxa. 1-24. 10.5281/zenodo.170213.

Scott PV, Blake, JA. 1998. Taxonomic Atlas of the Benthic Fauna of the Santa Maria Basin and Western Santa Barbara Channel, Vols 1–14. Santa Barbara (CA): Santa Barbara Museum of Natural History.

Staude CP, Armstrong JW, Thom RM, Chew KK. An illustrated key to the intertidal Gammaridean Amphipoda of central Puget Sound. Contribution 466, College of Fisheries. University of Washington. 27pp.

Watling L. 1979. Marine Flora and Fauna of the Northeastern United States, Crustacea: Cumacea. NOAA Technical Report NMFS Circular 423, U.S. Dept. of Commerce National Marine Fisheries Service.

WoRMS. 2025. *Platynereis bicanaliculata* (Baird, 1863). World Register of Marine Species. Retrieved July 23, 2025, from https://www.marinespecies.org/aphia.php?p=taxdetails&id=334557

Marine Benthic Enumeration and Identification Methods
Client: Keystone Environmental
Project: Aquatic Invasive Species 2025
Settlement Plates Batch 3

Sample Inventory

Sample arrival: 12-Aug-25
Number of samples: 3
Number of bags: 3
Lab screen size: 45 µm
Biologica project number: ep25-115

The chain of custody documents were checked and approved with the client. Samples were stored in 10% Formalin in Ziplock bags, and each sample was provided a unique identification number and placed in the queue for analysis.

Table 1. Summary of settlement plates processed for Keystone Environmental Aquatic Invasive Species, 2025 Batch 3.

Batch	Client Sample ID	Date Sampled	Biologica Sample ID	Comment
3	AIS 1-1	7-Aug-25	ep25-115-010	Analyzed
3	AIS 1-2	7-Aug-25	ep25-115-011	Analyzed
3	AIS 1-3	7-Aug-25	ep25-115-012	Analyzed

Sample Processing

Plates were removed and processed in water. Formalin was screened through a 45 µm geological screen to collect unattached organisms. The top and bottom surface of each plate was scanned to identify epifaunal taxa, including invertebrates. Each taxon attached to the plate was assigned a value to categorize the percent coverage (Table 2).

Table 2. Percent cover categories for Keystone Aquatic Invasive Species, 2025.

Category	Percent Cover
1	Covering <5% of surfaces
2	Covering 5-10% of surfaces
3	Covering 10-25% of surfaces
4	Covering 25-50% of surfaces
5	Covering 50-75% of surfaces
6	Covering 75-100% of surfaces

All colonial organisms and abundant sessile (attached/encrusting) organisms, including barnacles and Mytilidae, were counted and recorded as percent cover. Organisms were considered abundant if newly settled individuals were present or individuals were too numerous

to accurately be enumerated. All other organisms including solitary and mobile organisms (worms, amphipods, chironomids etc.) were identified and individually counted.

Sample plates that contained a covering of diatoms – both solitary and colonial filaments, or macroalgae, were assigned a percent cover category but were not identified.

All taxa were reviewed for inclusion of possible aquatic invasive species (AIS) (Jennifer L Molnar, Rebecca L Gamboa, Carmen Revenga, Mark D Spalding. 2008). No known non-indigenous (NIS) taxa were identified.

Some taxa groups identified include invasive species: the family Corophiidae (amphipods), the family/genus Mytilidae/*Mytilus* (mussels), and the order Balanomorpha (barnacles). However, the specimens were too immature or damaged to determine genus or species identifications. For one taxon previously referred to as "Non-native to Canada", *Platynereis bicanaliculata,* the status has been updated to reflect existing literature, as it may be native to parts of the Canadian coast (Claudi, et al., 2002; WoRMS, 2025).

Data

Results were provided to the Keystone Environmental project manager in Excel spreadsheets via email.

Selected Methodological and Taxonomic References

Cadien, D. B. (2006). Cumacea of the NEP: equator to Aleutians and intertidal to the abyss Part 1. Introduction and general comments. Southern California Association of Marine Invertebrate Taxonomists SCAMIT.

Carlton JT. 2007. Light's Manual, Intertidal Invertebrates of the Central California Coast. 4th ed. Berkley (CA): University of California Press. 964pp.

Claudi, R., Nantel, P., & Muckle-Jeffs, E. 2002. Alien Invaders. Ottawa: Natural Resources Canada, Canadian Forest Service, Science Branch.

Coan EV, Scott PV, Bernard FR. 2000. Bivalve Seashells of Western North America: Marine Bivalve Molluscs from Arctic Alaska to Baja California. Santa Barbara Museum of Natural History Monographs No. 2. 764pp.

Environment Canada. 2010. Pulp and Paper Environmental Effects Monitoring (EEM) Technical Guidance Document.

Environment Canada. 2012. Metal Mining Environmental Effects Monitoring (EEM) Technical Guidance Document.

Environment Canada. 2002. Revised Guidance for Sample Sorting and Subsampling Protocols for EEM Benthic Invertebrate Community Surveys. https://www.ec.gc.ca/esee-eem/default.asp?lang=En&n=F919D331-1. Accessed December 2012.

Environmental Protection Agency. 1987. Recommended Protocols for Sampling and Analyzing Macroinvertebrate Assemblages in Puget Sound. http://www.psparchives.com/our_work/science/protocols.htm. Accessed January 2014.

Fofonoff, P. W., Ruiz, G. M., Steves, B., Simkanin, C., & Carlton, J. T. 2024. National Exotic Marine and Estuarine Species Information System. <http://invasions.si.edu/nemesis>.

Kozloff EN. 1987. Marine Invertebrates of the Pacific Northwest. Seattle (WA): University of Washington Press. 511pp.

Molnar, J. L., Gamboa, R. L., Revenga, C., & Spalding, M. D. (2008). Assessing the global threat of invasive species to marine biodiversity. Frontiers in Ecology and the Environment, 6(9), 485-492.

Radashevsky, Vasily. 2005. On Adult and Larval Morphology of Polydora cornuta Bosc, 1802 (Annelida: Spionidae). Zootaxa. 1-24. 10.5281/zenodo.170213.

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Staude CP, Armstrong JW, Thom RM, Chew KK. An illustrated key to the intertidal Gammaridean Amphipoda of central Puget Sound. Contribution 466, College of Fisheries. University of Washington. 27pp.

Watling L. 1979. Marine Flora and Fauna of the Northeastern United States, Crustacea: Cumacea. NOAA Technical Report NMFS Circular 423, U.S. Dept. of Commerce National Marine Fisheries Service.

WoRMS. 2025. *Platynereis bicanaliculata* (Baird, 1863). World Register of Marine Species. Retrieved July 23, 2025, from https://www.marinespecies.org/aphia.php?p=taxdetails&id=334557

Marine Benthic Enumeration and Identification Methods
Client: Keystone Environmental
Project: AIS Settlement Plates
April Deployment Batch 1

Sample Inventory

Sample arrival: 23-Oct-25
Number of samples: 11
Number of bags: 11
Lab screen size: 45 µm
Biologica project number: ep25-289

The chain of custody documents were checked and approved with the client. Samples were stored in 10% Formalin in Ziplock bags, and each sample was provided a unique identification number and placed in the queue for analysis.

Table 1. Summary of settlement plates processed for Keystone Environmental AIS Settlement Plates 2025, Batch 1.

Batch	Client Sample ID	Date Sampled	Biologica Sample ID	Type	Comment
1	AIS 1-1	16-Oct-25	ep25-289-001	Plate	Analyzed
1	AIS 1-2	16-Oct-25	ep25-289-002	Plate	Analyzed
1	AIS 1-3	16-Oct-25	ep25-289-003	Plate	Analyzed
1	AIS SR-2	16-Oct-25	ep25-289-004	Plate	Analyzed
1	AIS SR-3	16-Oct-25	ep25-289-005	Plate	Analyzed
1	AIS NR-1	16-Oct-25	ep25-289-006	Plate	Analyzed
1	AIS NR-2-R	16-Oct-25	ep25-289-007	Rope	Analyzed
1	AIS NR-3-R	16-Oct-25	ep25-289-008	Rope	Analyzed
1	AIS 2-1	16-Oct-25	ep25-289-009	Plate	Analyzed
1	AIS 2-2-R	16-Oct-25	ep25-289-010	Rope	Analyzed
1	AIS 2-3	16-Oct-25	ep25-289-011	Plate	Analyzed

Sample Processing

Plates were removed and processed in water. Formalin was screened through a 45 µm geological screen to collect unattached organisms. The top and bottom surface of each plate was scanned to identify epifaunal taxa, including invertebrates. Each taxon attached to the plate was assigned a value to categorize the percent coverage (Table 2).

Table 2. Percent cover categories for Keystone Environmental AIS Settlement Plates 2025.

Category	Percent Cover
1	Covering <5% of surfaces
2	Covering 5-10% of surfaces

Category	Percent Cover
3	Covering 10-25% of surfaces
4	Covering 25-50% of surfaces
5	Covering 50-75% of surfaces
6	Covering 75-100% of surfaces

All colonial organisms and abundant sessile (attached/encrusting) organisms, including barnacles and Mytilidae, were counted and recorded as percent cover. Organisms were considered abundant if newly settled individuals were present or individuals were too numerous to accurately be enumerated. All other organisms including solitary and mobile organisms (worms, amphipods, chironomids etc.) were identified and individually counted.

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Data

Results were provided to the Keystone Environmental project manager in Excel spreadsheets via email.

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Environment Canada. 2010. Pulp and Paper Environmental Effects Monitoring (EEM) Technical Guidance Document.

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Environment Canada. 2002. Revised Guidance for Sample Sorting and Subsampling Protocols for EEM Benthic Invertebrate Community Surveys. https://www.ec.gc.ca/esee-eem/default.asp?lang=En&n=F919D331-1. Accessed December 2012.

Environmental Protection Agency. 1987. Recommended Protocols for Sampling and Analyzing Macroinvertebrate Assemblages in Puget Sound. http://www.psparchives.com/our_work/science/protocols.htm. Accessed January 2014.

Fofonoff, P. W., Ruiz, G. M., Steves, B., Simkanin, C., & Carlton, J. T. 2024. National Exotic Marine and Estuarine Species Information System. <http://invasions.si.edu/nemesis>.

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Radashevsky, Vasily. 2005. On Adult and Larval Morphology of Polydora cornuta Bosc, 1802 (Annelida: Spionidae). Zootaxa. 1-24. 10.5281/zenodo.170213.

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WoRMS. 2025. *Platynereis bicanaliculata* (Baird, 1863). World Register of Marine Species. Retrieved July 23, 2025, from https://www.marinespecies.org/aphia.php?p=taxdetails&id=334557

APPENDIX H

KPI4A TASKS

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2	biologica																
3																	
4	**Abbreviations & Definitions**																
5																	
6	***Worksheets:***																
7	1. Abbreviations & Definitions	Glossary of terms and outline of report.															
8	2. Data-Matrix	Total abundance data in matrix format, including total taxa count per sample.															
9	3. Data-Long	Raw abundance data in long format.															
10																	
11	***Percent Cover:***																
12	1	<5%															
13	2	5-10%															
14	3	10-25%															
15	4	25-50%															
16	5	50-75%															
17	6	75-10%															
18																	
19	***Life Stages:***																
20	A	Adult															
21	Int	Intermediate - has adult features but not of typical reproductive size															
22	J	Juvenile															
23	L	Larvae															
24	N	Nymph															
25	P	Pupa															
26	Col	Colony															
27	Deut	Deutonymph															
28	MEMO	Incidental taxa/fragments not included in data, or whose abundance is not generally captured accurately by 1.0mm screen.															
29	Total Number of Taxa	Number of unique taxa (=species richness), not including higher-order taxa for which there exists a lower-order identification (e.g. not including *Lumbrineris* sp. if there exists *Lumbrineris cruzensis* in the data)															
30	Total Number of Organisms	Total Abundance, not including incidental taxa															
31																	
32	**Biologica Coding**																
33																	
34	***Major Taxonomic Groups:***																
35	**Taxa Group**	**Group Code**	**Taxonomic Group**														
36	Annelida	ANHI	Annelida Hirudinea														
37	Annelida	ANOL	Annelida Oligochaeta														
38	Annelida	ANXX	Annelida														
39	Annelida	POER	Polychaeta Errantia														
40	Annelida	POSE	Polychaeta Sedentaria														
41	Annelida	POXX	Polychaeta														
42	Arthropoda	CHAR	Chelicerata Arachnida (Acari)														
43	Arthropoda	CHPY	Chelicerata Pycnogonida														
44	Arthropoda	CHXX	Chelicerata														
45	Arthropoda	CRAM	Crustacea Amphipoda														
46	Arthropoda	CRCI	Crustacea Cirripedia														
47	Arthropoda	CRCL	Crustacea Cladocera														
48	Arthropoda	CRCO	Crustacea Copepoda														
49	Arthropoda	CRCU	Crustacea Cumacea														
50	Arthropoda	CRDE	Crustacea Decapoda														
51	Arthropoda	CRDI	Crustacea Diplostraca														
52	Arthropoda	CREU	Crustacea Euphausiacea														
53	Arthropoda	CRIS	Crustacea Isopoda														
54	Arthropoda	CRLE	Crustacea Leptostraca														
55	Arthropoda	CRMY	Crustacea Mysidacea														
56	Arthropoda	CROS	Crustacea Ostracoda														
57	Arthropoda	CRTA	Crustacea Tanaidacea														
58	Arthropoda	CRXX	Crustacea														
59	Arthropoda	INCM	Insecta Collembola														
60	Arthropoda	INCO	Insecta Coleoptera														
61	Arthropoda	INDI	Insecta Diptera														
62	Arthropoda	INEP	Insecta Ephemeroptera														
63	Arthropoda	INHM	Insecta Hemiptera														
64	Arthropoda	INHY	Insecta Hymenoptera														
65	Arthropoda	INLE	Insecta Lepidoptera														
66	Arthropoda	INMG	Insecta Megaloptera														
67	Arthropoda	INNE	Insecta Neuroptera														
68	Arthropoda	INOD	Insecta Odonata														
69	Arthropoda	INPL	Insecta Plecoptera														
70	Arthropoda	INTH	Insecta Thysanoptera														
71	Arthropoda	INTR	Insecta Tricoptera														
72	Arthropoda	INXX	Insecta														
73	Arthropoda	MYCH	Chilopoda														
74	Arthropoda	MYDI	Diplopoda														
75	Echinodermata	ECAS	Echinodermata Asteroidea														
76	Echinodermata	ECCR	Echinodermata Crinoidea														
77	Echinodermata	ECEC	Echinodermata Echinoidea														
78	Echinodermata	ECHO	Echinodermata Holothuroidea														
79	Echinodermata	ECOP	Echinodermata Ophiuroidea														
80	Miscellaneous	ACAN	Acanthocephala														
81	Miscellaneous	AMPH	Amphibia														
82	Miscellaneous	BRAC	Brachiopoda														
83	Miscellaneous	BRYO	Bryozoa														
84	Miscellaneous	CHAE	Chaetognatha														
85	Miscellaneous	CILI	Ciliophora Ciliophora														
86	Miscellaneous	CNAN	Cnidaria Anthozoa														
87	Miscellaneous	CNHY	Cnidaria Hydrozoa														
88	Miscellaneous	CNSC	Cnidaria Scyphozoa														
89	Miscellaneous	CNXX	Cnidaria														
90	Miscellaneous	CTEN	Ctenophora														
91	Miscellaneous	ENTO	Entoprocta														
92	Miscellaneous	EURA	Echiura														
93	Miscellaneous	FORA	Foraminifera														
94	Miscellaneous	HEMI	Hemichordata														
95	Miscellaneous	KINO	Kinorhyncha														
96	Miscellaneous	NODA	Nemata														
97	Miscellaneous	NTEA	Nemertea														
98	Miscellaneous	PHOR	Phoronida														
99	Miscellaneous	PIXX	Pisces														
100	Miscellaneous	PLTY	Platyhelminthes														
101	Miscellaneous	PORI	Porifera														
102	Miscellaneous	PRIA	Priapulida														
103	Miscellaneous	ROTI	Rotifera														
104	Miscellaneous	SIPN	Sipuncula														
105	Miscellaneous	TARD	Tardigrada														
106	Miscellaneous	URAP	Appendicularia														
107	Miscellaneous	URAS	Ascidiacea														
108	Miscellaneous	URTH	Thaliacea														
109	Mollusca	MOAP	Mollusca Aplacophora														
110	Mollusca	MOBI	Mollusca Bivalvia														
111	Mollusca	MOCE	Mollusca Cephalopoda														
112	Mollusca	MOGA	Mollusca Gastropoda														
113	Mollusca	MOPO	Mollusca Polyplacophora														
114	Mollusca	MOSC	Mollusca Scaphopoda														
115	Mollusca	MOXX	Mollusca														

Deployment 1(October 2024-April 2025) Matrix Data

biologica

Abundance and percent cover data in matrix format, including total taxa count per sample for Keystone Environmental Aquatic Invasive Species, October 2024 Deployment

Sample ID										AIS 2-1	AIS 2-2	AIS 2-3	AIS 1-1	AIS 1-2	AIS 1-3	AIS NR-1	AIS NR-2	AIS NR-3	AIS SR-1	AIS SR-2	AIS SR-3
Notes										Upper plate 1 m	Middle plate 2 m	Bottom plate 3 m	Upper plate 1 m	Middle plate 5 m	Bottom plate 6 m	Upper plate 1 m	Middle plate 5 m	Bottom plate 6 m	Upper plate 1 m	Middle plate 5 m	Bottom plate 6 m
Date Sampled										15-Apr-25	15-Apr-25	15-Apr-25	7-Aug-25	7-Aug-25	7-Aug-25	16-Apr-25	16-Apr-25	16-Apr-25	13-Jun-25	13-Jun-25	13-Jun-25
Plate Side	**Organism Type**	**taxcode**	**grpcode**	**Phylum**	**Class**	**Order**	**Family**	**Taxon**		**Total Abundance**	**Total Abundance**	**Total Abundance**	**Total Abundance**	**Total Abundance**	**Total Abundance**	**Total Abundance**	**Total Abundance**	**Total Abundance**	**Total Abundance**	**Total Abundance**	**Total Abundance**
Bottom	Attached	ANNE	POSE	Annelida	Polychaeta	Sabellida	Serpulidae	Serpulidae indet.							5						
Bottom	Attached	ANNE	POSE	Annelida	Polychaeta	Sabellida	Serpulidae	Spirorbis sp.							2						
Bottom	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus crenatus				4	2			19					
Bottom	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.				493		1	9	299		1	4		7
Bottom	Attached	MISC	BRYO	Bryozoa	Gymnolaemata	Ctenostomatida	Alcyonidiidae	Alcyonidium sp.						2							
Bottom	Attached	MISC	BRYO	Bryozoa	Gymnolaemata	Ctenostomatida	Vesiculariidae	Amathia gracilis							3						
Bottom	Attached	MISC	BRYO	Bryozoa	Gymnolaemata	Cheilostomatida	Electridae	Electra sp.			2										
Bottom	Attached	MISC	BRYO	Bryozoa	Gymnolaemata	Cheilostomatida	Hippothoidae	Celleporella hyalina			1	1									
Bottom	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanularia sp.				1			1		1	1			
Bottom	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Obelia sp.					1	1							
Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatellidae indet.							7						
Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			39	633	7		5				91	29	24
Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			8			1			1	1		3	5
Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia			Bivalvia indet.					89	38		5	12	47			
Bottom	Mobile	ANNE	POSE	Annelida	Polychaeta	Terebellida	Terebellidae	Lanassa gracilis										4			
Bottom	Mobile	MISC	PLTY	Platyhelminthes	Rhabditophora	Polycladida		Polycladida indet.									1				
							Bottom Plate Total Abundance:				**50**	**1,132**	**99**	**43**	**32**	**323**	**15**	**54**	**95**	**32**	**36**
Flocculent	Attached	MOLL	MOBI	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatella arctica										1			
Flocculent	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.		1,116											
Flocculent	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.				2									
Flocculent	Attached	MOLL	MOBI	Mollusca	Bivalvia	Pectinida	Pectinidae	Delectopecten vancouverensis										2			
Flocculent	Mobile	ANNE	ANOL	Annelida	Clitellata	Enchytraeida	Enchytraeidae	Enchytraeidae indet.								1					
Flocculent	Mobile	ANNE	ANOL	Annelida	Clitellata	Tubificida	Naididae	Nais elinguis		8						118					
Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Eunicida	Lumbrineridae	Lumbrineridae indet.									1				
Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glyceridae indet.										1			
Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Nereididae	Platynereis bicanaliculata				2									
Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Phyllodocidae	Phyllodoce sp.												1	1
Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Phyllodocidae	Phyllodocidae indet.				4						1			3
Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Polynoidae	Harmothoe imbricata				2						2			
Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Polynoidae	Polynoidae indet.				11									
Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Polynoidae	Polynoinae indet.									8	10			
Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Sigalionidae	Pholoe sp.										2			
Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Sabellida	Oweniidae	Galathowenia oculata				4									
Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Sabellida	Oweniidae	Oweniidae indet.									1	1			
Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Spionida	Spionidae	Boccardia columbiana												2	
Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Spionida	Spionidae	Dipolydora cardalia									1				
Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Spionida	Spionidae	Prionospio lighti										1			
Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Spionida	Spionidae	Prionospio sp.				2									
Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Spionida	Spionidae	Spionidae indet.				1					2				
Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Terebellida	Ampharetidae	Ampharetidae indet.									1				
Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Terebellida	Pectinariidae	Cistenides sp.				1									
Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Terebellida	Terebellidae	Lanassa gracilis			1										
Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Terebellida	Terebellidae	Terebellidae indet.			7	2									
Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta		Capitellidae	Capitella capitata complex													1
Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta		Opheliidae	Armandia brevis				2									
Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta		Opheliidae	Opheliidae indet.				4									
Flocculent	Mobile	ANNE	POXX	Annelida	Polychaeta		Nerillidae	Nerilla digitata				1									
Flocculent	Mobile	ARTH	CHAR	Arthropoda	Arachnida	Trombidiformes	Halacaridae	Halacaridae indet.													1
Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Anisogammaridae	Eogammarus confervicolus		10	3	2				1					
Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.		14	5	16				3	1			5	2
Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda		Amphipoda indet.				2				5					1
Flocculent	Mobile	ARTH	CRCI	Arthropoda	Thecostraca			Cirripedia indet.			7										
Flocculent	Mobile	ARTH	CRCO	Arthropoda	Hexanauplia	Calanoida		Calanoida indet.								1	3	1			
Flocculent	Mobile	ARTH	CRCO	Arthropoda	Hexanauplia	Harpacticoida		Harpacticoida indet.		828	1,260	38				228	44	21		18	14
Flocculent	Mobile	ARTH	CRCU	Arthropoda	Malacostraca	Cumacea	Nannastacidae	Cumella vulgaris		1		1				1					
Flocculent	Mobile	ARTH	CRIS	Arthropoda	Malacostraca	Isopoda	Sphaeromatidae	Gnorimosphaeroma oregonense				1									
Flocculent	Mobile	ARTH	CRIS	Arthropoda	Malacostraca	Isopoda	Sphaeromatidae	Gnorimosphaeroma sp.			2										
Flocculent	Mobile	ARTH	CROS	Arthropoda	Ostracoda			Ostracoda indet.		1		4					2				
Flocculent	Mobile	ARTH	INDI	Arthropoda	Insecta	Diptera	Chironomidae	Chironomidae indet.		8											
Flocculent	Mobile	ARTH	INDI	Arthropoda	Insecta	Diptera	Chironomidae	Orthocladiinae indet.		21	576						19	3	46		7
Flocculent	Mobile	ECHI	ECEC	Echinodermata	Echinoidea			Echinoidea indet.									1				
Flocculent	Mobile	MISC	NTEA	Nemertea	Hoplonemertea	Monostilifera	Amphiporidae	Amphiporus sp.				1									
Flocculent	Mobile	MISC	NTEA	Nemertea	Hoplonemertea	Monostilifera	Tetrastemmatidae	Tetrastemmatidae indet.			17					8		3			
Flocculent	Mobile	MISC	NTEA	Nemertea	Hoplonemertea			Hoplonemertea indet.		5											
Flocculent	Mobile	MISC	NTEA	Nemertea				Nemertea indet.			6	11				14					
Flocculent	Mobile	MISC	PLTY	Platyhelminthes	Rhabditophora	Polycladida		Polycladida indet.				3						7			
Flocculent	Mobile	MISC	PLTY	Platyhelminthes				Platyhelminthes indet.									6				
Flocculent	Attached	MOLL	MOBI	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatella arctica							1						
Flocculent	Mobile	MOLL	MOBI	Mollusca	Bivalvia	Cardiida	Cardiidae	Clinocardiinae indet.				1					1				
Flocculent	Mobile	MOLL	MOGA	Mollusca	Gastropoda	Littorinimorpha	Rissoidae	Alvania rosana													1
Flocculent	Mobile	MOLL	MOGA	Mollusca	Gastropoda	Nudibranchia		Aeolidioidea indet.									38	12			
Flocculent	Mobile	MOLL	MOGA	Mollusca	Gastropoda	Nudibranchia		Dendronotoidea indet.				3					44	22			
Flocculent	Mobile	MOLL	MOGA	Mollusca	Gastropoda	Nudibranchia		Nudibranchia indet.				8					156	55			
Flocculent	Mobile	MOLL	MOGA	Mollusca	Gastropoda			Gastropoda indet.									3	3			
Flocculent	Mobile	MOLL	MOGA	Mollusca	Gastropoda			Patellogastropoda indet.				2									
Flocculent	Mobile	MOLL	MOPO	Mollusca	Polyplacophora			Polyplacophora indet.													1
Flocculent	Mobile	ANNE	ANOL	Annelida	Clitellata	Tubificida	Naididae	Paranais litoralis											3		
Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Sigalionidae	Pholoides asperus							1						

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
89	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Sigalionidae	Sigalionidae indet.						1						
90	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Nereididae	Platynereis bicanaliculata										6		
91	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Spionida	Spionidae	Dipolydora sp.										1		
92	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Spionida	Spionidae	Spionidae indet.					1	2						
93	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Anisogammaridae	Eogammarus confervicolus										6		
94	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.				1	3							
95	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda		Amphipoda indet.				1						3		
96	Flocculent	Mobile	ARTH	CRCO	Arthropoda	Hexanauplia	Harpacticoida		Harpacticoida indet.				2	4	3						
97	Flocculent	Mobile	ARTH	INDI	Arthropoda	Insecta	Diptera	Chironomidae	Orthocladiinae indet.				2	3							
98	Flocculent	Mobile	MISC	PLTY	Platyhelminthes	Rhabditophora	Polycladida		Polycladida indet.				1								
99								**Flocculent Total Abundance:**		**2,012**	**1,884**	**131**	**7**	**11**	**8**	**380**	**332**	**148**	**65**	**26**	**32**
100																					
101	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus crenatus		9	27				3				243	46
102	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.	1	3	26				3	15	1,033	16		105
103	Top	Attached	MISC	BRYO	Bryozoa	Gymnolaemata	Cheilostomatida	Electridae	Electra sp.												6
104	Top	Attached	MISC	BRYO	Bryozoa	Gymnolaemata	Cheilostomatida	Hippothoidae	Celleporella hyalina			1									
105	Top	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanularia sp.		1	1					1	1			
106	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatella arctica											275	112
107	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatellidae indet.			2		11	4		2	16			
108	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.		44	800	8	29	6	2	4	16	720	1,400	313
109	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.	5	5	5	36	4	20	3	35	7		433	18
110	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia			Bivalvia indet.			26		867	29	8	201	466			
111	Top	Mobile	ANNE	ANOL	Annelida	Clitellata	Tubificida	Naididae	Nais elinguis		2										
112	Top	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glyceridae indet.											1	
113	Top	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Nereididae	Platynereis bicanaliculata								8	2		3	
114	Top	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Phyllodocidae	Phyllodocidae indet.											6	
115	Top	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Polynoidae	Harmothoe imbricata								6				2
116	Top	Mobile	ANNE	POSE	Annelida	Polychaeta		Sabellariidae	Idanthyrsus saxicavus						1						
117	Top	Mobile	ANNE	POSE	Annelida	Polychaeta	Terebellida	Terebellidae	Lanassa gracilis			4					14	10			
118	Top	Mobile	ANNE	POSE	Annelida	Polychaeta	Terebellida	Terebellidae	Terebellidae indet.								6	12			
119	Top	Mobile	ANNE	POSE	Annelida	Polychaeta		Opheliidae	Opheliidae indet.								2				
120	Top	Mobile	ARTH	CHAR	Arthropoda	Arachnida	Trombidiformes	Halacaridae	Halacaridae indet.								2	2			
121	Top	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.			4									
122	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus crenatus				44	2	1						
123	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.					14	7						
124	Top	Mobile	ARTH	CRCU	Arthropoda	Malacostraca	Cumacea	Nannastacidae	Cumella vulgaris								2				
125	Top	Mobile	ARTH	INDI	Arthropoda	Insecta	Diptera	Chironomidae	Chironomidae indet.										3		
126	Top	Mobile	ARTH	INDI	Arthropoda	Insecta	Diptera	Chironomidae	Orthocladiinae indet.							5				2	
127	Top	Mobile	ARTH	INDI	Arthropoda	Insecta	Diptera		Diptera indet.	1											
128	Top	Attached	MISC	BRYO	Bryozoa	Gymnolaemata	Ctenostomatida	Alcyonidiidae	Alcyonidium sp.					7	3						
129	Top	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.						1						
130	Top	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Obelia sp.				1	3							
131	Top	Mobile	MISC	NTEA	Nemertea	Hoplonemertea	Monostilifera	Emplectonematidae	Emplectonema viride												6
132	Top	Mobile	MISC	NTEA	Nemertea	Hoplonemertea	Monostilifera	Tetrastemmatidae	Tetrastemmatidae indet.			1					2				
133	Top	Mobile	MISC	NTEA	Nemertea				Nemertea indet.								1				
134	Top	Mobile	MISC	PLTY	Platyhelminthes	Rhabditophora	Polycladida		Polycladida indet.								4				
135	Top	Mobile	MISC	PLTY	Platyhelminthes				Platyhelminthes indet.												2
136	Top	Mobile	MISC	NTEA	Nemertea	Hoplonemertea	Monostilifera	Emplectonematidae	Emplectonema viride											62	
137	Top	Mobile	MOLL	MOGA	Mollusca	Gastropoda	Nudibranchia	Onchidoridae	Onchidoris sp.											2	
138								**Top Plate Total Abundance:**		**7**	**64**	**897**	**89**	**937**	**72**	**24**	**305**	**1,565**	**739**	**2,427**	**610**
139																					
140								**Total Unique Attached Taxa Presence**		**2**	**5**	**5**	**3**	**5**	**7**	**2**	**4**	**5**	**2**	**3**	**4**
141																					
142								**Total Abundance**		**2,019**	**1,998**	**2,160**	**195**	**991**	**112**	**727**	**652**	**1,767**	**899**	**2,485**	**678**
143								**Total Unique Taxa per plate**		**10**	**13**	**26**	**7**	**9**	**12**	**11**	**25**	**21**	**7**	**11**	**15**
144																					
145	**Incidental taxa:**																				
146	Bottom	Attached	MEMO	MEMO					Algae	Present			Present			Present	Present		Present	Present	Present
147	Bottom	Attached	MEMO	MEMO					Diatom film		Present		Present	Present							
148	Flocculent	Attached	MEMO	MEMO					Algae		Present										
149	Top	Attached	MEMO	MEMO					Algae	Present	Present	Present	Present	Present		Present	Present	Present	Present	Present	Present
150	Top	Attached	MEMO	MEMO					Diatom film		Present		Present		Present						
151	Top	Attached	MEMO	MEMO					Foraminifera indet.									2			
152	Bottom	Mobile	MEMO	MEMO					Egg/egg mass								1				
153	Flocculent	Mobile	MEMO	MEMO					Egg/egg mass	72					1	22					
154	Flocculent	Mobile	MEMO	MEMO					Nematoda indet.	288	468		2	4				3			
155	Top	Mobile	MEMO	MEMO					Egg/egg mass		20	3									
156	Flocculent	Mobile	MEMO	MEMO					Nematoda indet.										4		

Deployment 1 (October 2024-April 2025) Detailed Data and Invasive Notes

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Client Sample ID	Date Sampled	Plate Side	Organism Type	taxcode	grpcode	Phylum	Class	Order	Family	Taxon Name	A	Int	J	L	Total Abundar	% Cover Cate	Unique Taxa Co	Comments	NIS	Organism Comments
AIS 2-1	15-Apr-25	Flocculent	Mobile	ANNE	ANOL	Annelida	Clitellata	Tubificida	Naididae	Nais elinguis	8				8		1		No	
AIS 2-1	15-Apr-25	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Anisogammaridae	Eogammarus confervicolus	5	1	4		10		1		No	
AIS 2-1	15-Apr-25	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.	6	3	5		14		1	Possibly Americorophium spinicorne	Family contains potential non-indigenous species	This family contains the historically introduced Monocorophium acherusicum as well as other non-indigenous taxa (for example; Monocorophium insidiosum (Molnar, 2008)). Intermediates/juveniles left at Family level due to lack of distinguishing characters. The species in this family are very morphologically similar.
AIS 2-1	15-Apr-25	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.			1		1	1	1	Damaged	Order contains potential non-indigenous species	For example; Amphibalanus improvisus (DFO (2007), Gartner (2016), Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS 2-1	15-Apr-25	Flocculent	Mobile	ARTH	CRCO	Arthropoda	Hexanauplia	Harpacticoida		Harpacticoida indet.	828				828		1		No	
AIS 2-1	15-Apr-25	Flocculent	Mobile	ARTH	CRCU	Arthropoda	Malacostraca	Cumacea	Nannastacidae	Cumella vulgaris	1				1		1		No	
AIS 2-1	15-Apr-25	Flocculent	Mobile	ARTH	CROS	Arthropoda	Ostracoda			Ostracoda indet.			1		1		1		Indeterminate	Incidental for macroinvertebrate surveys- generally considered meiofauna (<0.5 mm)
AIS 2-1	15-Apr-25	Flocculent	Mobile	ARTH	INDI	Arthropoda	Insecta	Diptera	Chironomidae	Chironomidae indet.				8	8			Damaged, anterior portion only	No	
AIS 2-1	15-Apr-25	Flocculent	Mobile	ARTH	INDI	Arthropoda	Insecta	Diptera	Chironomidae	Orthocladiinae indet.				21	21		1		No	
AIS 2-1	15-Apr-25	Top	Mobile	ARTH	INDI	Arthropoda	Insecta	Diptera		Diptera indet.				1	1			In cocoon	No	
AIS 2-1	15-Apr-25	Bottom	Attached	MEMO	MEMO					Algae	Present				Present	2		Sparse and thin	n/a	Specimens not identified but the taxon may contain potential non-indigenous taxa
AIS 2-1	15-Apr-25	Top	Attached	MEMO	MEMO					Algae	Present				Present	5			n/a	Specimens not identified but the taxon may contain potential non-indigenous taxa
AIS 2-1	15-Apr-25	Flocculent	Mobile	MEMO	MEMO					Egg/egg mass	72				72				n/a	Incidental
AIS 2-1	15-Apr-25	Flocculent	Mobile	MEMO	MEMO					Nematoda indet.	288				288				n/a	Considered incidental for macroinvertebrate surveys. Nematode taxonomy requires advanced microscopy
AIS 2-1	15-Apr-25	Flocculent	Mobile	MISC	NTEA	Nemertea	Hoplonemertea			Hoplonemertea indet.			5		5		1		No	
AIS 2-1	15-Apr-25	Flocculent	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			1,116		1,116				Family contains potential non-indigenous species	Family contains known non-indigenous taxa (for example; Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008))). These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 2-1	15-Apr-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			5		5	1	1		Genus contains potential non-indigenous species	Genus contains known non-indigenous taxa. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 2-2	15-Apr-25	Top	Mobile	ANNE	ANOL	Annelida	Clitellata	Tubificida	Naididae	Nais elinguis	2				2		1		No	
AIS 2-2	15-Apr-25	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Terebellida	Terebellidae	Lanassa gracilis			1		1		1	Immature	No	
AIS 2-2	15-Apr-25	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Terebellida	Terebellidae	Terebellidae indet.			7		7			Immature, possibly L. gracilis	No	
AIS 2-2	15-Apr-25	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Anisogammaridae	Eogammarus confervicolus	2		1		3		1		No	
AIS 2-2	15-Apr-25	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.	4	1			5		1	Possibly Americorophium spinicorne (x 1 Ad, 1 Int), possibly Monocorophium insidiosum (x 3 Ad)	Family contains potential non-indigenous species	This family contains the historically introduced Monocorophium acherusicum as well as other non-indigenous taxa (for example; Monocorophium insidiosum (Molnar, 2008)). Intermediates/juveniles left at Family level due to lack of distinguishing characters. The species in this family are very morphologically similar.
AIS 2-2	15-Apr-25	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus crenatus	9				9	2	1		No	
AIS 2-2	15-Apr-25	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.			3		3	1			Order contains potential non-indigenous species	For example; Amphibalanus improvisus (DFO (2007), Gartner (2016), Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS 2-2	15-Apr-25	Flocculent	Mobile	ARTH	CRCI	Arthropoda	Thecostraca			Cirripedia indet.				7	7			Planktonic, larval cyprids	Indeterminate	Larval form, unable to confirm
AIS 2-2	15-Apr-25	Flocculent	Mobile	ARTH	CRCO	Arthropoda	Hexanauplia	Harpacticoida		Harpacticoida indet.	1,260				1,260		1		No	
AIS 2-2	15-Apr-25	Flocculent	Mobile	ARTH	CRIS	Arthropoda	Malacostraca	Isopoda	Sphaeromatidae	Gnorimosphaeroma sp.	2				2		1		No	
AIS 2-2	15-Apr-25	Flocculent	Mobile	ARTH	INDI	Arthropoda	Insecta	Diptera	Chironomidae	Orthocladiinae indet.				576	576		1		No	
AIS 2-2	15-Apr-25	Flocculent	Attached	MEMO	MEMO					Algae	Present				Present	2		Long and dark green, attached to piece of rope	n/a	Specimens not identified but the taxon may contain potential non-indigenous taxa
AIS 2-2	15-Apr-25	Top	Attached	MEMO	MEMO					Algae	Present				Present	5			n/a	Specimens not identified but the taxon may contain potential non-indigenous taxa
AIS 2-2	15-Apr-25	Bottom	Attached	MEMO	MEMO					Diatom film	Present				Present	5			n/a	Incidental
AIS 2-2	15-Apr-25	Top	Attached	MEMO	MEMO					Diatom film	Present				Present	5			n/a	Incidental
AIS 2-2	15-Apr-25	Top	Mobile	MEMO	MEMO					Egg/egg mass	20				20	1		Possibly settling Mytilidae	n/a	Incidental
AIS 2-2	15-Apr-25	Flocculent	Mobile	MEMO	MEMO					Nematoda indet.	468				468				n/a	Considered incidental for macroinvertebrate surveys. Nematode taxonomy requires advanced microscopy
AIS 2-2	15-Apr-25	Bottom	Attached	MISC	BRYO	Bryozoa	Gymnolaemata	Cheilostomatida	Electridae	Electra sp.	2				2	3	1	2 encrusting colonies	No	
AIS 2-2	15-Apr-25	Bottom	Attached	MISC	BRYO	Bryozoa	Gymnolaemata	Cheilostomatida	Hippothoidae	Celleporella hyalina	1				1	2	1		No	
AIS 2-2	15-Apr-25	Top	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanularia sp.	1				1	1	1		No	
AIS 2-2	15-Apr-25	Flocculent	Mobile	MISC	NTEA	Nemertea	Hoplonemertea	Monostilifera	Tetrastemmatidae	Tetrastemmatidae indet.			17		17		1		No	
AIS 2-2	15-Apr-25	Flocculent	Mobile	MISC	NTEA	Nemertea				Nemertea indet.			6		6				No	
AIS 2-2	15-Apr-25	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			39		39	2		Mostly attached to the rough edge where the plate was cut	Family contains potential non-indigenous species	Family contains known non-indigenous taxa (for example; Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008))). These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 2-2	15-Apr-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			44		44	1			Family contains potential non-indigenous species	Family contains known non-indigenous taxa (for example; Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008))). These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 2-2	15-Apr-25	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.		1	7		8	1		One cluster	Genus contains potential non-indigenous species	Genus contains known non-indigenous taxa. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 2-2	15-Apr-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			5		5	2	1		Genus contains potential non-indigenous species	Genus contains known non-indigenous taxa. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 2-3	15-Apr-25	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Nereididae	Platynereis bicanaliculata			2		2		1		No	Changed from "Non-native to Canada" to "No" to match understanding of current distribution. Species is cryptogenic (not demonstratably native or introduced in BC), originating from western north Pacific.
AIS 2-3	15-Apr-25	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Phyllodocidae	Phyllodocidae indet.			4		4		1	Immature, possibly Eteone sp.	No	
AIS 2-3	15-Apr-25	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Polynoidae	Harmothoe imbricata		2			2		1		No	
AIS 2-3	15-Apr-25	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Polynoidae	Polynoidae indet.			11		11			Immature, possibly Harmothoe	No	
AIS 2-3	15-Apr-25	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Sabellida	Oweniidae	Galathowenia oculata			4		4		1		No	
AIS 2-3	15-Apr-25	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Spionida	Spionidae	Prionospio sp.			2		2		1	Immature	No	
AIS 2-3	15-Apr-25	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Spionida	Spionidae	Spionidae indet.			1		1			Damaged, non-polydorid	No	
AIS 2-3	15-Apr-25	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Terebellida	Pectinariidae	Cistenides sp.			1		1		1	No tube found	No	
AIS 2-3	15-Apr-25	Top	Mobile	ANNE	POSE	Annelida	Polychaeta	Terebellida	Terebellidae	Lanassa gracilis	1	3			4		1		No	
AIS 2-3	15-Apr-25	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Terebellida	Terebellidae	Terebellidae indet.			2		2			Immature	No	
AIS 2-3	15-Apr-25	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta		Ophelidae	Armandia brevis			2		2		1		No	
AIS 2-3	15-Apr-25	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta		Ophelidae	Ophelidae indet.			4		4			Immature	No	
AIS 2-3	15-Apr-25	Flocculent	Mobile	ANNE	POXX	Annelida	Polychaeta		Nerillidae	Nerilla digitata	1				1		1		No	
AIS 2-3	15-Apr-25	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Anisogammaridae	Eogammarus confervicolus	2				2		1		No	
AIS 2-3	15-Apr-25	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.	2		14		16			Possibly Monocorophium insidiosum (2 Ad)	Family contains potential non-indigenous species	This family contains the historically introduced Monocorophium acherusicum as well as other non-indigenous taxa (for example; Monocorophium insidiosum (Molnar, 2008)). Intermediates/juveniles left at Family level due to lack of distinguishing characters. The species in this family are very morphologically similar.
AIS 2-3	15-Apr-25	Top	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.	3	1			4		1	Possibly Americorophium spinicorne	Family contains potential non-indigenous species	This family contains the historically introduced Monocorophium acherusicum as well as other non-indigenous taxa (for example; Monocorophium insidiosum (Molnar, 2008)). Intermediates/juveniles left at Family level due to lack of distinguishing characters. The species in this family are very morphologically similar.
AIS 2-3	15-Apr-25	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda		Amphipoda indet.			2		2			Immature, possibly E. confervicolus	Indeterminate	
AIS 2-3	15-Apr-25	Bottom	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus crenatus	4				4	2			No	
AIS 2-3	15-Apr-25	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus crenatus	27				27	3	1		No	
AIS 2-3	15-Apr-25	Bottom	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.			493		493	4			Order contains potential non-indigenous species	For example; Amphibalanus improvisus (DFO (2007), Gartner (2016), Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS 2-3	15-Apr-25	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.		26			26	2		Immature, possibly B. crenatus	Order contains potential non-indigenous species	For example; Amphibalanus improvisus (DFO (2007), Gartner (2016), Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS 2-3	15-Apr-25	Flocculent	Mobile	ARTH	CRCO	Arthropoda	Hexanauplia	Harpacticoida		Harpacticoida indet.	38				38		1		No	

AIS 2-3	15-Apr-25	Flocculent	Mobile	ARTH	CRCU	Arthropoda	Malacostraca	Cumacea	Nannastacidae	Cumella vulgaris	1				1		1		No	
AIS 2-3	15-Apr-25	Flocculent	Mobile	ARTH	CRIS	Arthropoda	Malacostraca	Isopoda	Sphaeromatidae	Gnorimosphaeroma oregonense	1				1		1		No	
AIS 2-3	15-Apr-25	Flocculent	Mobile	ARTH	CROS	Arthropoda	Ostracoda			Ostracoda indet.		4			4		1		Indeterminate	Incidental for macroinvertebrate surveys- generally considered meiofauna (<0.5 mm)
AIS 2-3	15-Apr-25	Top	Attached	MEMO	MEMO					Algae	Present				Present	2			n/a	Specimens not identified but the taxon may contain potential non-indigenous taxa
AIS 2-3	15-Apr-25	Top	Mobile	MEMO	MEMO					Egg/egg mass	3				3	1			n/a	Incidental
AIS 2-3	15-Apr-25	Bottom	Attached	MISC	BRYO	Bryozoa	Gymnolaemata	Cheilostomatida	Hippothoidae	Celleporella hyalina	1				1	1		Colony from top side of plate wraps around onto bottom side	No	
AIS 2-3	15-Apr-25	Top	Attached	MISC	BRYO	Bryozoa	Gymnolaemata	Cheilostomatida	Hippothoidae	Celleporella hyalina	1				1	1	1		No	
AIS 2-3	15-Apr-25	Bottom	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanularia sp.	1				1	5		Single colony	No	
AIS 2-3	15-Apr-25	Top	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanularia sp.	1				1	6	1	Single colony, sparesly covering entire plate	No	
AIS 2-3	15-Apr-25	Flocculent	Mobile	MISC	NTEA	Nemertea	Hoplonemertea	Monostilifera	Amphiporidae	Amphiporus sp.	1				1		1		No	
AIS 2-3	15-Apr-25	Top	Mobile	MISC	NTEA	Nemertea	Hoplonemertea	Monostilifera	Tetrastemmatidae	Tetrastemmatidae indet.			1		1		1		No	
AIS 2-3	15-Apr-25	Flocculent	Mobile	MISC	NTEA	Nemertea				Nemertea indet.			11		11				No	
AIS 2-3	15-Apr-25	Flocculent	Mobile	MISC	PLTY	Platyhelminthes	Rhabditophora	Polycladida		Polycladida indet.	3				3		1		No	
AIS 2-3	15-Apr-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatellidae indet.			2		2	1	1	Possibly Hiatella arctica	No	
AIS 2-3	15-Apr-25	Flocculent	Mobile	MOLL	MOBI	Mollusca	Bivalvia	Cardiida	Cardiidae	Clinocardiinae indet.			1		1		1		No	
AIS 2-3	15-Apr-25	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			633		633	1			Family contains potential non-indigenous species	Family contains known non-indigenous taxa (for example; Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008))). These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 2-3	15-Apr-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			800		800	1			Family contains potential non-indigenous species	Family contains known non-indigenous taxa (for example; Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008))). These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 2-3	15-Apr-25	Flocculent	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.		1	1		2				Genus contains potential non-indigenous species	Genus contains known non-indigenous taxa. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 2-3	15-Apr-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.		1	4		5	1	1		Genus contains potential non-indigenous species	Genus contains known non-indigenous taxa. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 2-3	15-Apr-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia			Bivalvia indet.			26		26	1		Immature, possibly Mytilidae	Indeterminate	
AIS 2-3	15-Apr-25	Flocculent	Mobile	MOLL	MOGA	Mollusca	Gastropoda	Nudibranchia		Dendronotoidea indet.			3		3		1	Immature	Indeterminate	
AIS 2-3	15-Apr-25	Flocculent	Mobile	MOLL	MOGA	Mollusca	Gastropoda	Nudibranchia		Nudibranchia indet.			8		8			Immature, possibly Dendronotoidea	Indeterminate	
AIS 2-3	15-Apr-25	Flocculent	Mobile	MOLL	MOGA	Mollusca	Gastropoda			Patellogastropoda indet.			2		2		1	Immature	Indeterminate	Juveniles/intermediates - not possible to discern species morphologically
AIS NR-1	16-Apr-25	Flocculent	Mobile	ANNE	ANOL	Annelida	Clitellata	Enchytraeida	Enchytraeidae	Enchytraeidae indet.	1				1		1		No	
AIS NR-1	16-Apr-25	Flocculent	Mobile	ANNE	ANOL	Annelida	Clitellata	Tubificida	Naididae	Nais elinguis	118				118		1		No	
AIS NR-1	16-Apr-25	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Anisogammaridae	Eogammarus confervicolus	1				1		1		No	
AIS NR-1	16-Apr-25	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.	1		2		3		1	Possibly Americorophium spinicorne (x1 Ad)	Family contains potential non-indigenous species	This family contains the historically introduced Monocorophium acherusicum as well as other non-indigenous taxa (for example; Monocorophium insidiosum (Molnar, 2008)). Intermediates/Juveniles left at Family level due to lack of distinguishing characters. The species in this family are very morphologically similar.
AIS NR-1	16-Apr-25	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda		Amphipoda indet.			5		5			Immature, possibly E. confervicolus	Indeterminate	
AIS NR-1	16-Apr-25	Bottom	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus crenatus	19				19	2			No	
AIS NR-1	16-Apr-25	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus crenatus	3				3	1	1		No	
AIS NR-1	16-Apr-25	Bottom	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.			299		299	4			Order contains potential non-indigenous species	For example; Amphibalanus improvisus (DFO (2007), Gartner (2016), Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS NR-1	16-Apr-25	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.			3		3	1			Order contains potential non-indigenous species	For example; Amphibalanus improvisus (DFO (2007), Gartner (2016), Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS NR-1	16-Apr-25	Flocculent	Mobile	ARTH	CRCO	Arthropoda	Hexanauplia	Calanoida		Calanoida indet.	1				1		1		Indeterminate	
AIS NR-1	16-Apr-25	Flocculent	Mobile	ARTH	CRCO	Arthropoda	Hexanauplia	Harpacticoida		Harpacticoida indet.	228				228		1		No	
AIS NR-1	16-Apr-25	Flocculent	Mobile	ARTH	CRCU	Arthropoda	Malacostraca	Cumacea	Nannastacidae	Cumella vulgaris	1				1		1		No	
AIS NR-1	16-Apr-25	Top	Mobile	ARTH	INDI	Arthropoda	Insecta	Diptera	Chironomidae	Orthocladiinae indet.				5	5		1	Embedded in algae, 2 are in cocoons	No	
AIS NR-1	16-Apr-25	Bottom	Attached	MEMO	MEMO					Algae	Present				Present	5			n/a	Specimens not identified but the taxon may contain potential non-indigenous taxa
AIS NR-1	16-Apr-25	Top	Attached	MEMO	MEMO					Algae	Present				Present	6		Very dense in some places	n/a	Specimens not identified but the taxon may contain potential non-indigenous taxa
AIS NR-1	16-Apr-25	Flocculent	Mobile	MEMO	MEMO					Egg/egg mass	22				22			Possibly from Harpacticoids	n/a	Incidental
AIS NR-1	16-Apr-25	Flocculent	Mobile	MISC	NTEA	Nemertea	Hoplonemertea	Monostilifera	Tetrastemmatidae	Tetrastemmatidae indet.		8			8		1		No	
AIS NR-1	16-Apr-25	Flocculent	Mobile	MISC	NTEA	Nemertea				Nemertea indet.		14			14				No	
AIS NR-1	16-Apr-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			2		2	1			Family contains potential non-indigenous species	Family contains known non-indigenous taxa (for example; Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008))). These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS NR-1	16-Apr-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			3		3	1	1		Genus contains potential non-indigenous species	Genus contains known non-indigenous taxa. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS NR-1	16-Apr-25	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia			Bivalvia indet.			5		5	1		Immature, possibly Mytilidae	Indeterminate	
AIS NR-1	16-Apr-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia			Bivalvia indet.			8		8	1		Immature, possibly Mytilidae	Indeterminate	
AIS NR-2	16-Apr-25	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Eunicida	Lumbrineridae	Lumbrineridae indet.			1		1		1	Immature	No	
AIS NR-2	16-Apr-25	Top	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Nereididae	Platynereis bicanaliculata		2	6		8		1		No	Changed from "Non-native to Canada" to "No" to match understanding of current distribution. Species is cryptogenic (not demonstratably native or introduced in BC), originating from western north Pacific.
AIS NR-2	16-Apr-25	Top	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Polynoidae	Harmothoe imbricata		4	2		6		1		No	
AIS NR-2	16-Apr-25	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Polynoidae	Polynoinae indet.			8		8			Immature, possibly Harmothoe	No	
AIS NR-2	16-Apr-25	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Sabellida	Oweniidae	Oweniidae indet.			1		1		1	Possibly G. oculata	No	
AIS NR-2	16-Apr-25	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Spionida	Spionidae	Dipolydora cardalia		1			1		1	Damaged	No	
AIS NR-2	16-Apr-25	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Spionida	Spionidae	Spionidae indet.			2		2			Immature, possibly Prionospio	No	
AIS NR-2	16-Apr-25	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Terebellida	Ampharetidae	Ampharetidae indet.			1		1		1	Immature	No	
AIS NR-2	16-Apr-25	Top	Mobile	ANNE	POSE	Annelida	Polychaeta	Terebellida	Terebellidae	Lanassa gracilis			14		14		1		No	
AIS NR-2	16-Apr-25	Top	Mobile	ANNE	POSE	Annelida	Polychaeta	Terebellida	Terebellidae	Terebellidae indet.			6		6			Immature, possibly L. gracilis	No	
AIS NR-2	16-Apr-25	Top	Mobile	ANNE	POSE	Annelida	Polychaeta		Opheliidae	Opheliidae indet.			2		2		1	Immature	No	
AIS NR-2	16-Apr-25	Top	Mobile	ARTH	CHAR	Arthropoda	Arachnida	Trombidiformes	Halacaridae	Halacaridae indet.	2				2		1		No	
AIS NR-2	16-Apr-25	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.	1				1		1	Possibly Americorophium spinicorne	Family contains potential non-indigenous species	This family contains the historically introduced Monocorophium acherusicum as well as other non-indigenous taxa (for example; Monocorophium insidiosum (Molnar, 2008)). Intermediates/Juveniles left at Family level due to lack of distinguishing characters. The species in this family are very morphologically similar.
AIS NR-2	16-Apr-25	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.			15		15	1	1	Immature	Order contains potential non-indigenous species	For example; Amphibalanus improvisus (DFO (2007), Gartner (2016), Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS NR-2	16-Apr-25	Flocculent	Mobile	ARTH	CRCO	Arthropoda	Hexanauplia	Calanoida		Calanoida indet.	3				3		1		Indeterminate	
AIS NR-2	16-Apr-25	Flocculent	Mobile	ARTH	CRCD	Arthropoda	Hexanauplia	Harpacticoida		Harpacticoida indet.	44				44		1		No	
AIS NR-2	16-Apr-25	Top	Mobile	ARTH	CRCU	Arthropoda	Malacostraca	Cumacea	Nannastacidae	Cumella vulgaris	2				2		1		No	
AIS NR-2	16-Apr-25	Flocculent	Mobile	ARTH	CROS	Arthropoda	Ostracoda			Ostracoda indet.		2			2		1		Indeterminate	Incidental for macroinvertebrate surveys- generally considered meiofauna (<0.5 mm)
AIS NR-2	16-Apr-25	Flocculent	Mobile	ARTH	INDI	Arthropoda	Insecta	Diptera	Chironomidae	Orthocladiinae indet.				19	19		1	Damaged, immature	No	
AIS NR-2	16-Apr-25	Flocculent	Mobile	ECHI	ECEC	Echinodermata	Echinoidea			Echinoidea indet.			1		1		1		No	
AIS NR-2	16-Apr-25	Bottom	Attached	MEMO	MEMO					Algae	Present				Present	2			n/a	Specimens not identified but the taxon may contain potential non-indigenous taxa
AIS NR-2	16-Apr-25	Top	Attached	MEMO	MEMO					Algae	Present				Present	6			n/a	Specimens not identified but the taxon may contain potential non-indigenous taxa
AIS NR-2	16-Apr-25	Bottom	Mobile	MEMO	MEMO					Egg/egg mass			1		1			Large cluster of soft clear egg sacs	n/a	Incidental

AIS NR-2	16-Apr-25	Bottom	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanularia sp.	1			1	5		Appears to be one large colony	No	
AIS NR-2	16-Apr-25	Top	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanularia sp.	1			1	5	1	Appears to be one large colony	No	
AIS NR-2	16-Apr-25	Top	Mobile	MISC	NTEA	Nemertea	Hoplonemertea	Monostilifera	Tetrastemmatidae	Tetrastemmatidae indet.			2	2		1		No	
AIS NR-2	16-Apr-25	Top	Mobile	MISC	NTEA	Nemertea				Nemertea indet.			1	1				No	
AIS NR-2	16-Apr-25	Bottom	Mobile	MISC	PLTY	Platyhelminthes	Rhabditophora	Polycladida		Polycladida indet.			1	1				No	
AIS NR-2	16-Apr-25	Top	Mobile	MISC	PLTY	Platyhelminthes	Rhabditophora	Polycladida		Polycladida indet.			4	4		1	Immature	No	
AIS NR-2	16-Apr-25	Flocculent	Mobile	MISC	PLTY	Platyhelminthes				Platyhelminthes indet.			6	6				No	
AIS NR-2	16-Apr-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatellidae indet.			2	2	1	1		No	
AIS NR-2	16-Apr-25	Flocculent	Mobile	MOLL	MOBI	Mollusca	Bivalvia	Cardiida	Cardiidae	Clinocardiinae indet.			1	1		1		No	
AIS NR-2	16-Apr-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			4	4	1			Family contains potential non-indigenous species	Family contains known non-indigenous taxa (for example; Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008))). These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS NR-2	16-Apr-25	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.		1		1	1			Genus contains potential non-indigenous species	Genus contains known non-indigenous taxa. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS NR-2	16-Apr-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.		16	19	35	3	1		Genus contains potential non-indigenous species	Genus contains known non-indigenous taxa. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS NR-2	16-Apr-25	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia			Bivalvia indet.			12	12	1			Indeterminate	
AIS NR-2	16-Apr-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia			Bivalvia indet.			201	201	1			Indeterminate	
AIS NR-2	16-Apr-25	Flocculent	Mobile	MOLL	MOGA	Mollusca	Gastropoda	Nudibranchia		Aeolidioidea indet.			38	38		1		Indeterminate	
AIS NR-2	16-Apr-25	Flocculent	Mobile	MOLL	MOGA	Mollusca	Gastropoda	Nudibranchia		Dendronotoidea indet.			44	44		1	Immature	Indeterminate	
AIS NR-2	16-Apr-25	Flocculent	Mobile	MOLL	MOGA	Mollusca	Gastropoda	Nudibranchia		Nudibranchia indet.			156	156			Damaged	Indeterminate	
AIS NR-2	16-Apr-25	Flocculent	Mobile	MOLL	MOGA	Mollusca	Gastropoda			Gastropoda indet.			3	3				Indeterminate	
AIS NR-3	16-Apr-25	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glyceridae indet.			1	1		1	Immature	No	
AIS NR-3	16-Apr-25	Top	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Nereididae	Platynereis bicanaliculata			2	2		1		No	Changed from "Non-native to Canada" to "No" to match understanding of current distribution. Species is cryptogenic (not demonstratably native or introduced in BC), originating from western north Pacific.
AIS NR-3	16-Apr-25	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Phyllodocidae	Phyllodocidae indet.			1	1		1	Damaged, immature, possibly Eteone sp.	No	
AIS NR-3	16-Apr-25	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Polynoidae	Harmothoe imbricata		2		2		1		No	
AIS NR-3	16-Apr-25	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Polynoidae	Polynoinae indet.		1	9	10			Damaged, possibly H. imbricata	No	
AIS NR-3	16-Apr-25	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Sigalionidae	Pholoe sp.			2	2		1	Immature	No	
AIS NR-3	16-Apr-25	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Sabellida	Oweniidae	Oweniidae indet.			1	1		1	Immature, possibly G. oculata	No	
AIS NR-3	16-Apr-25	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Spionida	Spionidae	Prionospio lighti			1	1		1		No	
AIS NR-3	16-Apr-25	Bottom	Mobile	ANNE	POSE	Annelida	Polychaeta	Terebellida	Terebellidae	Lanassa gracilis			4	4				No	
AIS NR-3	16-Apr-25	Top	Mobile	ANNE	POSE	Annelida	Polychaeta	Terebellida	Terebellidae	Lanassa gracilis		1	9	10		1		No	
AIS NR-3	16-Apr-25	Top	Mobile	ANNE	POSE	Annelida	Polychaeta	Terebellida	Terebellidae	Terebellidae indet.			12	12			Degraded, immature, possibly L. gracilis	No	
AIS NR-3	16-Apr-25	Top	Mobile	ARTH	CHAR	Arthropoda	Arachnida	Trombidiformes	Halacaridae	Halacaridae indet.	2			2		1		No	
AIS NR-3	16-Apr-25	Bottom	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.			1	1	1			Order contains potential non-indigenous species	For example; Amphibalanus improvisus (DFO (2007), Gartner (2016), Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS NR-3	16-Apr-25	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.			1,033	1,033	5	1	Freshly settled cyprids	Order contains potential non-indigenous species	For example; Amphibalanus improvisus (DFO (2007), Gartner (2016), Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS NR-3	16-Apr-25	Flocculent	Mobile	ARTH	CRCD	Arthropoda	Hexanauplia	Calanoida		Calanoida indet.	1			1		1		Indeterminate	
AIS NR-3	16-Apr-25	Flocculent	Mobile	ARTH	CRCD	Arthropoda	Hexanauplia	Harpacticoida		Harpacticoida indet.	21			21		1		No	
AIS NR-3	16-Apr-25	Flocculent	Mobile	ARTH	INDI	Arthropoda	Insecta	Diptera	Chironomidae	Orthocladiinae indet.			3	3		1	Immature	No	
AIS NR-3	16-Apr-25	Top	Attached	MEMO	MEMO					Algae	Present			Present	3			n/a	Specimens not identified but the taxon may contain potential non-indigenous taxa
AIS NR-3	16-Apr-25	Top	Attached	MEMO	MEMO					Foraminifera indet.	2			2	1			n/a	Incidental
AIS NR-3	16-Apr-25	Flocculent	Mobile	MEMO	MEMO					Nematoda indet.	3			3				n/a	Considered incidental for macroinvertebrate surveys. Nematode taxonomy requires advanced microscopy
AIS NR-3	16-Apr-25	Bottom	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanularia sp.	1			1	5		Large colony	No	
AIS NR-3	16-Apr-25	Top	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanularia sp.	1			1	5	1	Large colony	No	
AIS NR-3	16-Apr-25	Flocculent	Mobile	MISC	NTEA	Nemertea	Hoplonemertea	Monostilifera	Tetrastemmatidae	Tetrastemmatidae indet.			3	3		1		No	
AIS NR-3	16-Apr-25	Flocculent	Mobile	MISC	PLTY	Platyhelminthes	Rhabditophora	Polycladida		Polycladida indet.			7	7		1		No	
AIS NR-3	16-Apr-25	Flocculent	Attached	MOLL	MOBI	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatella arctica		1		1		1		No	
AIS NR-3	16-Apr-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatellidae indet.			16	16	1			No	
AIS NR-3	16-Apr-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			16	16	1			Family contains potential non-indigenous species	Family contains known non-indigenous taxa (for example; Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008))). These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS NR-3	16-Apr-25	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			1	1	1			Genus contains potential non-indigenous species	Genus contains known non-indigenous taxa. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS NR-3	16-Apr-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.		2	5	7	1	1		Genus contains potential non-indigenous species	Genus contains known non-indigenous taxa. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS NR-3	16-Apr-25	Flocculent	Attached	MOLL	MOBI	Mollusca	Bivalvia	Pectinida	Pectinidae	Delectopecten vancouverensis			2	2		1		No	
AIS NR-3	16-Apr-25	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia			Bivalvia indet.			47	47	1			Indeterminate	
AIS NR-3	16-Apr-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia			Bivalvia indet.			466	466	2			Indeterminate	
AIS NR-3	16-Apr-25	Flocculent	Mobile	MOLL	MOGA	Mollusca	Gastropoda	Nudibranchia		Aeolidioidea indet.			12	12		1		Indeterminate	
AIS NR-3	16-Apr-25	Flocculent	Mobile	MOLL	MOGA	Mollusca	Gastropoda	Nudibranchia		Dendronotoidea indet.			22	22		1	Immature	Indeterminate	
AIS NR-3	16-Apr-25	Flocculent	Mobile	MOLL	MOGA	Mollusca	Gastropoda	Nudibranchia		Nudibranchia indet.			55	55			Damaged	Indeterminate	
AIS NR-3	16-Apr-25	Flocculent	Mobile	MOLL	MOGA	Mollusca	Gastropoda			Gastropoda indet.			3	3				Indeterminate	
AIS SR-1	13-Jun-25	Flocculent	Mobile	ANNE	ANOL	Annelida	Clitellata	Tubificida	Naididae	Paranais litoralis	3			3		1		No	
AIS SR-1	13-Jun-25	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Nereididae	Platynereis bicanaliculata			6	6		1		No	Changed from "Non-native to Canada" to "No" to match understanding of current distribution. Species is cryptogenic (not demonstratably native or introduced in BC), originating from western north Pacific.
AIS SR-1	13-Jun-25	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Spionida	Spionidae	Dipolydora sp.		1		1		1	Degraded, possibly D. cardalia	No	
AIS SR-1	13-Jun-25	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Anisogammaridae	Eogammarus confervicolus	4	2		6		1		No	
AIS SR-1	13-Jun-25	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda		Amphipoda indet.			3	3			Possibly E. confervicolus	Indeterminate	
AIS SR-1	13-Jun-25	Bottom	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.			4	4	1			Order contains potential non-indigenous species	For example; Amphibalanus improvisus (DFO (2007), Gartner (2016), Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS SR-1	13-Jun-25	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.			16	16	1	1		Order contains potential non-indigenous species	For example; Amphibalanus improvisus (DFO (2007), Gartner (2016), Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS SR-1	13-Jun-25	Top	Mobile	ARTH	INDI	Arthropoda	Insecta	Diptera	Chironomidae	Chironomidae indet.			3	3			Cocoon embedded in algae	No	
AIS SR-1	13-Jun-25	Flocculent	Mobile	ARTH	INDI	Arthropoda	Insecta	Diptera	Chironomidae	Orthocladiinae indet.			46	46		1		No	
AIS SR-1	13-Jun-25	Bottom	Attached	MEMO	MEMO					Algae	Present			Present	5			n/a	Specimens not identified but the taxon may contain potential non-indigenous taxa
AIS SR-1	13-Jun-25	Top	Attached	MEMO	MEMO					Algae	Present			Present	6		Densly covering most of the plate	n/a	Specimens not identified but the taxon may contain potential non-indigenous taxa
AIS SR-1	13-Jun-25	Flocculent	Mobile	MEMO	MEMO					Nematoda indet.	4			4				n/a	Considered incidental for macroinvertebrate surveys. Nematode taxonomy requires advanced microscopy
AIS SR-1	13-Jun-25	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			91	91	1			Family contains potential non-indigenous species	Family contains known non-indigenous taxa (for example; Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008))). These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS SR-1	13-Jun-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			720	720	1	1		Family contains potential non-indigenous species	Family contains known non-indigenous taxa (for example; Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008))). These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.

AIS SR-2	13-Jun-25	Top	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glyceridae indet.			1		1		1	Immature	No	
AIS SR-2	13-Jun-25	Top	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Nereididae	Platynereis bicanaliculata		1	2		3		1		No	Changed from "Non-native to Canada" to "No" to match understanding of current distribution. Species is cryptogenic (not demonstratably native or introduced in BC), originating from western north Pacific.
AIS SR-2	13-Jun-25	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Phyllodocidae	Phyllodoce sp.			1		1		1	Immature	No	
AIS SR-2	13-Jun-25	Top	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Phyllodocidae	Phyllodocidae indet.			6		6			Immature, possibly Phyllodoce sp.	No	
AIS SR-2	13-Jun-25	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Spionida	Spionidae	Boccardia columbiana			2		2		1		No	
AIS SR-2	13-Jun-25	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.		3	2		5			Possibly Americorophium spinicorne (1 Int), possibly Monocorophium sp. (2 Int, 2 J	Family contains potential non-indigenous species	This family contains the historically introduced Monocorophium acherusicum as well as other non-indigenous taxa (for example; Monocorophium insidiosum (Molnar, 2008)). Intermediates/Juveniles left at Family level due to lack of distinguishing characters. The species in this family are very morphologically similar.
AIS SR-2	13-Jun-25	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus crenatus	243				243	6	1		No	
AIS SR-2	13-Jun-25	Flocculent	Mobile	ARTH	CRCO	Arthropoda	Hexanauplia	Harpacticoida		Harpacticoida indet.	18				18		1		No	
AIS SR-2	13-Jun-25	Top	Mobile	ARTH	INDI	Arthropoda	Insecta	Diptera	Chironomidae	Orthocladiinae indet.				2	2		1		No	
AIS SR-2	13-Jun-25	Bottom	Attached	MEMO	MEMO					Algae	Present				Present	1		Very sparse, small tufts	n/a	Specimens not identified but the taxon may contain potential non-indigenous taxa
AIS SR-2	13-Jun-25	Top	Attached	MEMO	MEMO					Algae	Present				Present	4		Thin layer covering most areas not already covered by barnacles	n/a	Specimens not identified but the taxon may contain potential non-indigenous taxa
AIS SR-2	13-Jun-25	Top	Mobile	MISC	NTEA	Nemertea	Hoplonemertea	Monostilifera	Emplectonematidae	Emplectonema viride		62			62		1	Found in large clusters inside barnacle shells	No	
AIS SR-2	13-Jun-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatella arctica			275		275	2	1		No	
AIS SR-2	13-Jun-25	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			29		29	1			Family contains potential non-indigenous species	Family contains known non-indigenous taxa (for example; Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008))). These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS SR-2	13-Jun-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			1,400		1,400	2			Family contains potential non-indigenous species	Family contains known non-indigenous taxa (for example; Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008))). These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS SR-2	13-Jun-25	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			3		3	1			Genus contains potential non-indigenous species	Genus contains known non-indigenous taxa. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS SR-2	13-Jun-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.		8	425		433	3	1		Genus contains potential non-indigenous species	Genus contains known non-indigenous taxa. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS SR-2	13-Jun-25	Top	Mobile	MOLL	MOGA	Mollusca	Gastropoda	Nudibranchia	Onchidoridae	Onchidoris sp.			2		2		1	Possibly O. bilamellata	No	
AIS SR-3	13-Jun-25	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Phyllodocidae	Phyllodoce sp.			1		1		1		No	
AIS SR-3	13-Jun-25	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Phyllodocidae	Phyllodocidae indet.			3		3			Damaged, immature	No	
AIS SR-3	13-Jun-25	Top	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Polynoidae	Harmothoe imbricata		2			2		1		No	
AIS SR-3	13-Jun-25	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta		Capitellidae	Capitella capitata complex			1		1		1		No	
AIS SR-3	13-Jun-25	Flocculent	Mobile	ARTH	CHAR	Arthropoda	Arachnida	Trombidiformes	Halacaridae	Halacaridae indet.	1				1		1		No	
AIS SR-3	13-Jun-25	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.		2			2		1	Possibly Monocorophium sp.	Family contains potential non-indigenous species	This family contains the historically introduced Monocorophium acherusicum as well as other non-indigenous taxa (for example; Monocorophium insidiosum (Molnar, 2008)). Intermediates/Juveniles left at Family level due to lack of distinguishing characters. The species in this family are very morphologically similar.
AIS SR-3	13-Jun-25	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda		Amphipoda indet.	1				1			Anterior portion only	Indeterminate	
AIS SR-3	13-Jun-25	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus crenatus	46				46	4	1		No	
AIS SR-3	13-Jun-25	Bottom	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.			7		7	1			Order contains potential non-indigenous species	For example; Amphibalanus improvisus (DFO (2007), Gartner (2016), Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS SR-3	13-Jun-25	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.			105		105	2		Possibly B. crenatus	Order contains potential non-indigenous species	For example; Amphibalanus improvisus (DFO (2007), Gartner (2016), Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS SR-3	13-Jun-25	Flocculent	Mobile	ARTH	CRCO	Arthropoda	Hexanauplia	Harpacticoida		Harpacticoida indet.	14				14		1		No	
AIS SR-3	13-Jun-25	Flocculent	Mobile	ARTH	INDI	Arthropoda	Insecta	Diptera	Chironomidae	Orthocladiinae indet.				7	7		1		No	
AIS SR-3	13-Jun-25	Bottom	Attached	MEMO	MEMO					Algae	Present				Present	1		Very sparse	n/a	Specimens not identified but the taxon may contain potential non-indigenous taxa
AIS SR-3	13-Jun-25	Top	Attached	MEMO	MEMO					Algae	Present				Present	4			n/a	Specimens not identified but the taxon may contain potential non-indigenous taxa
AIS SR-3	13-Jun-25	Top	Attached	MISC	BRYO	Bryozoa	Gymnolaemata	Cheilostomatida	Electridae	Electra sp.	6				6	2	1	Possibly E. crustulenta	No	
AIS SR-3	13-Jun-25	Top	Mobile	MISC	NTEA	Nemertea	Hoplonemertea	Monostilifera	Emplectonematidae	Emplectonema viride		6			6		1		No	
AIS SR-3	13-Jun-25	Top	Mobile	MISC	PLTY	Platyhelminthes				Platyhelminthes indet.	2				2		1		No	
AIS SR-3	13-Jun-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatella arctica			112		112	2	1		No	
AIS SR-3	13-Jun-25	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			24		24	1			Family contains potential non-indigenous species	Family contains known non-indigenous taxa (for example; Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008))). These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS SR-3	13-Jun-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			313		313	2			Family contains potential non-indigenous species	Family contains known non-indigenous taxa (for example; Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008))). These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS SR-3	13-Jun-25	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			5		5	1			Genus contains potential non-indigenous species	Genus contains known non-indigenous taxa. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS SR-3	13-Jun-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			18		18	2	1		Genus contains potential non-indigenous species	Genus contains known non-indigenous taxa. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS SR-3	13-Jun-25	Flocculent	Mobile	MOLL	MOGA	Mollusca	Gastropoda	Littorinimorpha	Rissoidae	Alvania rosana	1				1		1		No	
AIS SR-3	13-Jun-25	Flocculent	Mobile	MOLL	MOPO	Mollusca	Polyplacophora			Polyplacophora indet.			1		1		1		No	
AIS 1-1	07-Aug-25	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.		1			1		1	Possibly Monocorophium insidiosum	Family contains potential non-indigenous species	This family contains the historically introduced Monocorophium acherusicum as well as other non-indigenous taxa (for example; Monocorophium insidiosum (Molnar, 2008)). Intermediates/Juveniles left at Family level due to lack of distinguishing characters. The species in this family are very morphologically similar.
AIS 1-1	07-Aug-25	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda		Amphipoda indet.			1		1			Possibly Eogammarus	No	
AIS 1-1	07-Aug-25	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus crenatus		7	37		44	3	1		No	
AIS 1-1	07-Aug-25	Bottom	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus crenatus		1	1		2	1			No	
AIS 1-1	07-Aug-25	Flocculent	Mobile	ARTH	CRCO	Arthropoda	Hexanauplia	Harpacticoida		Harpacticoida indet.	2				2		1		No	
AIS 1-1	07-Aug-25	Flocculent	Mobile	ARTH	INDI	Arthropoda	Insecta	Diptera	Chironomidae	Orthocladiinae indet.				2	2		1		No	
AIS 1-1	07-Aug-25	Top	Attached	MEMO	MEMO					Algae	Present				Present	4		Thin and sporadic	n/a	Specimens not identified but the taxon may contain potential non-indigenous taxa
AIS 1-1	07-Aug-25	Bottom	Attached	MEMO	MEMO					Algae	Present				Present	3		Thin and sporadic	n/a	Specimens not identified but the taxon may contain potential non-indigenous taxa
AIS 1-1	07-Aug-25	Top	Attached	MEMO	MEMO					Diatom film	Present				Present	6		Thin film covering the entire plate	n/a	Incidental
AIS 1-1	07-Aug-25	Bottom	Attached	MEMO	MEMO					Diatom film	Present				Present	6		Thin film covering the entire plate	n/a	Incidental
AIS 1-1	07-Aug-25	Flocculent	Mobile	MEMO	MEMO					Nematoda indet.	2				2				n/a	Considered incidental for macroinvertebrate surveys. Nematode taxonomy requires advanced microscopy
AIS 1-1	07-Aug-25	Bottom	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Obelia sp.	1				1	2			No	
AIS 1-1	07-Aug-25	Top	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Obelia sp.	1				1	1	1		No	
AIS 1-1	07-Aug-25	Flocculent	Mobile	MISC	PLTY	Platyhelminthes	Rhabditophora	Polycladida		Polycladida indet.			1		1		1		No	
AIS 1-1	07-Aug-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			8		8	1			Family contains potential non-indigenous species	Family contains known non-indigenous taxa (for example; Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008))). These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-1	07-Aug-25	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			7		7	1			Family contains potential non-indigenous species	Family contains known non-indigenous taxa (for example; Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008))). These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-1	07-Aug-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			36		36	1	1		Genus contains potential invasive species	Genus contains known non-indigenous taxa. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-1	07-Aug-25	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia			Bivalvia indet.			89		89	1			No	
AIS 1-2	07-Aug-25	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Spionida	Spionidae	Spionidae indet.			1		1		1		No	
AIS 1-2	07-Aug-25	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.			3		3		1	Possibly Monocorophium insidiosum	Family contains potential non-indigenous species	This family contains the historically introduced Monocorophium acherusicum as well as other non-indigenous taxa (for example; Monocorophium insidiosum (Molnar, 2008)). Intermediates/Juveniles left at Family level due to lack of distinguishing characters. The species in this family are very morphologically similar.
AIS 1-2	07-Aug-25	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus crenatus			2		2	1	1		No	
AIS 1-2	07-Aug-25	Bottom	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.			1		1	1		On mussel	Order contains potential non-indigenous species	For example; Amphibalanus improvisus (DFO (2007), Gartner (2016), Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS 1-2	07-Aug-25	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.			14		14	1			Order contains potential non-indigenous species	For example; Amphibalanus improvisus (DFO (2007), Gartner (2016), Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS 1-2	07-Aug-25	Flocculent	Mobile	ARTH	CRCO	Arthropoda	Hexanauplia	Harpacticoida		Harpacticoida indet.	4				4		1		No	
AIS 1-2	07-Aug-25	Flocculent	Mobile	ARTH	INDI	Arthropoda	Insecta	Diptera	Chironomidae	Orthocladiinae indet.				3	3		1		No	
AIS 1-2	07-Aug-25	Top	Attached	MEMO	MEMO					Algae	Present				Present	6		Thin and sporadic covering most of the plate	n/a	Specimens not identified but the taxon may contain potential non-indigenous taxa

AIS 1-2	07-Aug-25	Bottom	Attached	MEMO	MEMO					Diatom film	Present			Present	5			n/a	Incidental
AIS 1-2	07-Aug-25	Flocculent	Mobile	MEMO	MEMO					Nematoda indet.	4			4				n/a	Considered incidental for macroinvertebrate surveys. Nematode taxonomy requires advanced microscopy
AIS 1-2	07-Aug-25	Bottom	Attached	MISC	BRYO	Bryozoa	Gymnolaemata	Ctenostomatida	Alcyonidiidae	Alcyonidium sp.	2			2	2	1	2 soft bodied colonies, 1 covering 25% of the plate	No	
AIS 1-2	07-Aug-25	Top	Attached	MISC	BRYO	Bryozoa	Gymnolaemata	Ctenostomatida	Alcyonidiidae	Alcyonidium sp.	7			7	3		Degraded, clear, soft bodied colonies	No	
AIS 1-2	07-Aug-25	Bottom	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Obelia sp.	1			1	3	1		No	
AIS 1-2	07-Aug-25	Top	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Obelia sp.	3			3	5			No	
AIS 1-2	07-Aug-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatellidae indet.			11	11	1	1	Possibly Hiatella arctica	No	
AIS 1-2	07-Aug-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			29	29	1			Family contains potential non-indigenous species	Family contains known non-indigenous taxa (for example; Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008))). These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-2	07-Aug-25	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.		1		1	1			Genus contains potential invasive species	Genus contains known non-indigenous taxa. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-2	07-Aug-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			4	4	1	1		Genus contains potential invasive species	Genus contains known non-indigenous taxa. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-2	07-Aug-25	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia			Bivalvia indet.			38	38	1			No	
AIS 1-2	07-Aug-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia			Bivalvia indet.			867	867	1			No	
AIS 1-3	07-Aug-25	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Sigalionidae	Pholoides asperus			1	1		1		No	
AIS 1-3	07-Aug-25	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Sigalionidae	Sigalionidae indet.			1	1		1		No	
AIS 1-3	07-Aug-25	Bottom	Attached	ANNE	POSE	Annelida	Polychaeta	Sabellida	Serpulidae	Serpulidae indet.		2	3	5	1			Family contains potential invasive and non-indigenous species	Family contains NIS and potential invasive
AIS 1-3	07-Aug-25	Bottom	Attached	ANNE	POSE	Annelida	Polychaeta	Sabellida	Serpulidae	Spirorbis sp.	1	1		2	1	1		Genus contains potential invasive and non-indigenous species	Genus contains NIS and potential invasive
AIS 1-3	07-Aug-25	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Spionida	Spionidae	Spionidae indet.			2	2		1	Larva	No	
AIS 1-3	07-Aug-25	Top	Mobile	ANNE	POSE	Annelida	Polychaeta		Sabellariidae	Idanthyrsus saxicavus			1	1	1	1		No	
AIS 1-3	07-Aug-25	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus crenatus			1	1	1	1		No	
AIS 1-3	07-Aug-25	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.			7	7	1			Order contains potential non-indigenous species	For example; Amphibalanus improvisus (DFO (2007), Gartner (2016), Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS 1-3	07-Aug-25	Bottom	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.			9	9	1			Order contains potential non-indigenous species	For example; Amphibalanus improvisus (DFO (2007), Gartner (2016), Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS 1-3	07-Aug-25	Flocculent	Mobile	ARTH	CRCO	Arthropoda	Hexanauplia	Harpacticoida		Harpacticoida indet.	3			3		1		No	
AIS 1-3	07-Aug-25	Top	Attached	MEMO	MEMO					Diatom film	Present			Present	6		Thin film covering the entire plate	n/a	Incidental
AIS 1-3	07-Aug-25	Flocculent	Mobile	MEMO	MEMO					Egg/egg mass	1			1				n/a	Incidental
AIS 1-3	07-Aug-25	Top	Attached	MISC	BRYO	Bryozoa	Gymnolaemata	Ctenostomatida	Alcyonidiidae	Alcyonidium sp.	3			3	1	1	3 soft bodied, transparent colonies	No	
AIS 1-3	07-Aug-25	Bottom	Attached	MISC	BRYO	Bryozoa	Gymnolaemata	Ctenostomatida	Vesiculariidae	Amathia gracilis	3			3	4	1		No	
AIS 1-3	07-Aug-25	Top	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.	1			1	6	1		No	
AIS 1-3	07-Aug-25	Bottom	Attached	MISC	CNHY	Cnidaria	Hydrozoa		Campanulariidae	Campanulariidae indet.	1			1	5			No	
AIS 1-3	07-Aug-25	Flocculent	Attached	MOLL	MOBI	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatella arctica			1	1		1		No	
AIS 1-3	07-Aug-25	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatellidae indet.			7	7	1			No	
AIS 1-3	07-Aug-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatellidae indet.			4	4	1			No	
AIS 1-3	07-Aug-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			6	6	1			Family contains potential non-indigenous species	Family contains known non-indigenous taxa (for example; Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008))). These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-3	07-Aug-25	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			5	5	1			Family contains potential non-indigenous species	Family contains known non-indigenous taxa (for example; Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008))). These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-3	07-Aug-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			20	20	1	1		Genus contains potential invasive species	Genus contains known non-indigenous taxa. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-3	07-Aug-25	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia			Bivalvia indet.			29	29	1			No	

Deployment 2(April 2025-October 2025) Matrix Data

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1																				
2	biologica																			
3																				
4	**Abundance and percent cover data in matrix format, including total taxa count per sample for Keystone Environmental Aquatic Invasive Species, April 2025 Deployment.**																			
5																				
7	**Sample ID**									**AIS 1-1**	**AIS 1-2**	**AIS 1-3**	**AIS SR-2**	**AIS SR-3**	**AIS NR-1**	**AIS NR-2-R**	**AIS NR-3-R**	**AIS 2-1**	**AIS 2-2-R**	**AIS 2-3**
8	**Notes**									**Upper plate 1 m**	**Middle plate 5 m**	**Bottom plate 6 m**	**Middle plate 5 m**	**Bottom plate 6 m**	**Upper plate 1 m**	**Middle plate 5 m**	**Bottom plate 6 m**	**Upper plate 1 m**	**Middle plate 2 m**	**Bottom plate 3 m**
9	**Date Sampled**									**16-Oct-25**	**16-Oct-25**	**16-Oct-25**	**16-Oct-25**	**16-Oct-25**	**16-Oct-25**	**16-Oct-25**	**16-Oct-25**	**16-Oct-25**	**16-Oct-25**	**16-Oct-25**
10	**Plate Side**	**Organism Type**	**taxcode**	**grpcode**	**Phylum**	**Class**	**Order**	**Family**	**Taxon**	**Total Abundance**	**Total Abundance**	**Total Abundance**	**Total Abundance**	**Total Abundance**	**Total Abundance**	**Total Abundance**	**Total Abundance**	**Total Abundance**	**Total Abundance**	**Total Abundance**
11	Bottom	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus crenatus					2						
12	Bottom	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.	6										
13	Bottom	Attached	MISC	BRYO	Bryozoa	Gymnolaemata	Cheilostomatida	Electridae	Conopeum sp.											8
14	Bottom	Attached	MISC	BRYO	Bryozoa	Gymnolaemata	Cheilostomatida		Cheilostomatida indet.	2										
15	Bottom	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.		1	2		1						1
16	Bottom	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata		Leptothecata indet.	1										
17	Bottom	Attached	MISC	CNHY	Cnidaria	Hydrozoa			Hydrozoa indet.				1							
18	Bottom	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.									1		
19	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatellidae indet.			1								
20	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.	33		7	65	29						68
21	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.	2	2	1		1						
22	Bottom	Attached	MOLL	MOBI	Mollusca	Bivalvia			Bivalvia indet.				18							
23									**Bottom Plate Total Abundance:**	**44**	**3**	**11**	**84**	**33**				**1**		**77**
24																				
25	Flocculent	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.			1		1						1
26	Flocculent	Attached	MISC	CNHY	Cnidaria	Hydrozoa			Hydrozoa indet.		1	1	1			1	1		1	
27	Flocculent	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.									1		
28	Flocculent	Attached	MOLL	MOBI	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatellidae indet.			2								
29	Flocculent	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.	114	7	24	204	26	11	11	23		74	178
30	Flocculent	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			13				1	7		9	2
31	Flocculent	Attached	MOLL	MOBI	Mollusca	Bivalvia			Bivalvia indet.			11	14	6			91			
32	Flocculent	Mobile	ANNE	ANOL	Annelida	Clitellata	Tubificida	Naididae	Nais elinguis									28		
33	Flocculent	Mobile	ANNE	ANOL	Annelida	Clitellata	Tubificida	Naididae	Paranais litoralis	2										
34	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Nereididae	Nereididae indet.											1
35	Flocculent	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Phyllodocidae	Phyllodocidae indet.		1									
36	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta	Spionida	Spionidae	Spionidae indet.	1										1
37	Flocculent	Mobile	ANNE	POSE	Annelida	Polychaeta		Opheliidae	Opheliidae indet.								1			
38	Flocculent	Mobile	ARTH	CHAR	Arthropoda	Arachnida	Trombidiformes	Halacaridae	Halacaridae indet.					2						
39	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Anisogammaridae	Eogammarus confervicolus			2			2				1	3
40	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.	4			5	2	108		1	61	48	49
41	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda		Amphipoda indet.			2	1		3			3		4
42	Flocculent	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda		Gammaroidea indet.							1				
43	Flocculent	Mobile	ARTH	CRCO	Arthropoda	Copepoda	Harpacticoida		Harpacticoida indet.	16	2	4	3	17	6		7		6	
44	Flocculent	Mobile	ARTH	CRDE	Arthropoda	Malacostraca	Decapoda		Brachyura indet.							1				
45	Flocculent	Mobile	ARTH	CROS	Arthropoda	Ostracoda			Ostracoda indet.	2	2	3		12						
46	Flocculent	Mobile	ARTH	INDI	Arthropoda	Hexapoda	Diptera	Chironomidae	Orthocladiinae indet.	2	1		2			1	2	4		
47	Flocculent	Mobile	ECHI	ECAS	Echinodermata	Asteroidea			Asteroidea indet.			1								
48	Flocculent	Mobile	MISC	NTEA	Nemertea				Nemertea indet.					1						
49	Flocculent	Mobile	MISC	PLTY	Platyhelminthes		Polycladida		Polycladida indet.								1			
50	Flocculent	Mobile	MISC	NODA	Nematoda				Nematoda indet.	6			4		11					
51	Flocculent	Mobile	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.									58		
52	Flocculent	Mobile	MOLL	MOGA	Mollusca	Gastropoda	Nudibranchia		Aeolidioidea indet.					4					3	56
53									**Flocculent Total Abundance:**	**147**	**14**	**64**	**234**	**71**	**141**	**16**	**134**	**155**	**142**	**295**
54																				
55	Rope	Attached	MISC	CNHY	Cnidaria	Hydrozoa			Hydrozoa indet.							1				
56	Rope	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.							7			18	
57	Rope	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.							56	13		22	
58	Rope	Attached	MOLL	MOBI	Mollusca	Bivalvia			Bivalvia indet.								29			
59	Rope	Mobile	ANNE	POER	Annelida	Polychaeta	Phyllodocida	Nereididae	Nereis sp.										1	
60	Rope	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.										2	
61									**Rope Total Abundance:**							**64**	**42**		**43**	
62																				
63	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus balanus						6					1
64	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus crenatus					1						
65	Top	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.						2			1		14
66	Top	Attached	MISC	BRYO	Bryozoa	Gymnolaemata	Cheilostomatida		Cheilostomatida indet.	1					1					
67	Top	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.			1		1						1
68	Top	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata		Leptothecata indet.	1										
69	Top	Attached	MISC	CNHY	Cnidaria	Hydrozoa			Hydrozoa indet.		1		1							1
70	Top	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.									1		
71	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.	267			183	18	18			26		59
72	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.	3		1	2	7						4
73	Top	Attached	MOLL	MOBI	Mollusca	Bivalvia			Bivalvia indet.			4	39							
74	Top	Mobile	ARTH	CRAM	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.											1
75	Top	Mobile	MISC	NODA	Nematoda				Nematoda indet.						3					
76									**Top Plate Total Abundance:**	**272**	**1**	**6**	**225**	**27**	**30**			**28**		**81**
77																				
78	Ziptie	Attached	ARTH	CRCI	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus crenatus			4								
79	Ziptie	Attached	MISC	BRYO	Bryozoa	Gymnolaemata	Cheilostomatida	Electridae	Conopeum sp.										1	
80	Ziptie	Attached	MISC	CNHY	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.			2								
81	Ziptie	Attached	MISC	CNHY	Cnidaria	Hydrozoa			Hydrozoa indet.								1		1	
82	Ziptie	Attached	MOLL	MOBI	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatella arctica			2								
83	Ziptie	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			79								
84	Ziptie	Attached	MOLL	MOBI	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			56								
85									**Ziptie Total Abundance:**			**143**					**1**		**2**	
86																				
87								**Total Unique Attached Taxa Presence**		**4**	**2**	**4**	**2**	**3**	**3**	**2**	**2**	**3**	**3**	**4**

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
88																				
89								**Total Abundance**		**463**	**18**	**224**	**543**	**131**	**171**	**80**	**177**	**184**	**187**	**453**
90								**Total Unique Taxa per plate**		**11**	**6**	**8**	**6**	**9**	**7**	**5**	**7**	**6**	8	9
91																				
92	**Incidental taxa:**																			
93	Bottom	Attached	MEMO	MEMO					Algae	Present			Present	Present	Present			Present		Present
94	Bottom	Attached	MEMO	MEMO					Diatom film		Present	Present		Present	Present			Present		
95	Bottom	Attached	MEMO	MEMO					Egg/egg mass											8
96	Flocculent	Attached	MEMO	MEMO					Algae								Present			Present
97	Flocculent	Attached	MEMO	MEMO					Egg/egg mass										3	11
98	Rope	Attached	MEMO	MEMO					Algae								Present		Present	
99	Rope	Attached	MEMO	MEMO					Egg/egg mass										13	
100	Top	Attached	MEMO	MEMO					Algae	Present		Present	Present	Present	Present			Present		Present
101	Top	Attached	MEMO	MEMO					Diatom film		Present	Present		Present	Present			Present		
102	Top	Attached	MEMO	MEMO					Egg/egg mass				6					7		33

Deployment 2 (April-October 2025) Detailed Data and Invasive Notes

Biologica

Raw abundance and percent cover data in long format for Keystone Environmental Aquatic Invasive Species, April 2025 Deployment

Client Sample ID	Date Sampled	Plate Side	Organism Type	Phylum	Class	Order	Family	Taxon	A	Int	J	L	Total Abundance	% Cover Category	Unique Taxa Count/Plate	Comments	NIS	Organism Comments
AIS 1-1	16-Oct-25	Bottom	Attached	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.			6		6	1	1		Order contains potential non-indigenous species	For example: Amphibalanus improvisus (DFO (2007), Gartner (2014), Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS 1-1	16-Oct-25	Bottom	Attached					Algae	Present				Present	5		Green filamentous algae. sparsely coverine most of the plate	n/a	Not identified but does contain potential invasive taxa
AIS 1-1	16-Oct-25	Bottom	Attached	Bryozoa	Gymnolaemata	Cheilostomatida		Cheilostomatida indet.	2				2	2			Indeterminate	Order does contain invasive species
AIS 1-1	16-Oct-25	Bottom	Attached	Cnidaria	Hydrozoa	Leptothecata		Leptothecata indet.	1				1	5		Fraemented. sparsely coverine most of the plate	Indeterminate	Damaged/small pieces of hydroid. Hydroids are often one of the first colonizers on settlement plates and can create habitat for other oreanisms.
AIS 1-1	16-Oct-25	Bottom	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.				33	33	2		Found near edee of plate	Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007). Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-1	16-Oct-25	Bottom	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			2		2	1	1	Found near edee of plate	Genus contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)))	Genus contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-1	16-Oct-25	Flocculent	Mobile	Annelida	Clitellata	Tubificida	Naididae	Paranais litoralis	1	1			2		1		No	
AIS 1-1	16-Oct-25	Flocculent	Mobile	Annelida	Polychaeta	Spionida	Spionidae	Spionidae indet.			1		1		1		Indeterminate	Juvenile typically identifiable if non-juvenile (intermediates. adults)
AIS 1-1	16-Oct-25	Flocculent	Mobile	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.			4		4		1		Family contains potential invasive species (Monocorophium acherusicum and M. insidiosum (Gartner (2016). Molnar (2008)))	This family contains the historically introduced Monocorophium acherucium. Intermediates/juveniles left at Family level due to lack of distinguishine characters. The species in this family are very morpholoeically similar.
AIS 1-1	16-Oct-25	Flocculent	Mobile	Arthropoda	Copepoda	Harpacticoida		Harpacticoida indet.	16				16		1		No	Small copepoods eenerally considered meiofauna/incidental
AIS 1-1	16-Oct-25	Flocculent	Mobile	Arthropoda	Ostracoda			Ostracoda indet.		2			2		1		Indeterminate	Incidental for macroinvertebrate surveys- eenerally considered meiofauna (<0.5 mm)
AIS 1-1	16-Oct-25	Flocculent	Mobile	Arthropoda	Hexapoda	Diptera	Chironomidae	Orthocladiinae indet.				2	2		1		No	
AIS 1-1	16-Oct-25	Flocculent	Mobile	Nematoda				Nematoda indet.	6				6		1		n/a	Considered incidental for macroinvertebrate surveys. Nematode taxonomy requires advanced microscopy
AIS 1-1	16-Oct-25	Flocculent	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.				114	114				Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007). Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-1	16-Oct-25	Top	Attached					Algae	Present				Present	5		Green filamentous algae. sparsely coverine most of the plate	n/a	Not identified but does contain potential invasive taxa
AIS 1-1	16-Oct-25	Top	Attached	Bryozoa	Gymnolaemata	Cheilostomatida		Cheilostomatida indet.	1				1	2	1	Encrusting. mostly dead	Indeterminate	Order does contain invasive species
AIS 1-1	16-Oct-25	Top	Attached	Cnidaria	Hydrozoa	Leptothecata		Leptothecata indet.	1				1	3	1	Fraemeneted	Indeterminate	Damaged/small pieces of hydroid. Hydroids are often one of the first colonizers on settlement plates and can create habitat for other oreanisms.
AIS 1-1	16-Oct-25	Top	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.				267	267	5			Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007). Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-1	16-Oct-25	Top	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.				3	3	1			Genus contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)))	Genus contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-2	16-Oct-25	Bottom	Attached					Diatom film	Present				Present	6		Thin film coverine the entire plate	n/a	Incidental
AIS 1-2	16-Oct-25	Bottom	Attached	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.	1				1	2	1		No	
AIS 1-2	16-Oct-25	Bottom	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			2		2	1	1		Genus contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)))	Genus contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-2	16-Oct-25	Flocculent	Mobile	Annelida	Polychaeta	Phyllodocida	Phyllodocidae	Phyllodocidae indet.			1		1		1	Possibly Phyllodoce sp.	Indeterminate	Juvenile typically identifiable if non-juvenile (intermediates. adults)
AIS 1-2	16-Oct-25	Flocculent	Mobile	Arthropoda	Copepoda	Harpacticoida		Harpacticoida indet.	2				2		1		No	Small copepoods eenerally considered meiofauna/incidental
AIS 1-2	16-Oct-25	Flocculent	Mobile	Arthropoda	Ostracoda			Ostracoda indet.	2				2		1		Meiofaunal ostracods	Incidental for macroinvertebrate surveys- eenerally considered meiofauna (<0.5 mm)
AIS 1-2	16-Oct-25	Flocculent	Mobile	Arthropoda	Hexapoda	Diptera	Chironomidae	Orthocladiinae indet.				1	1		1		No	
AIS 1-2	16-Oct-25	Flocculent	Attached	Cnidaria	Hydrozoa			Hydrozoa indet.	1				1				Fraements	Indeterminate	Damaged/small pieces of hydroid. Hydroids are often one of the first colonizers on settlement plates and can create habitat for other oreanisms.
AIS 1-2	16-Oct-25	Flocculent	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			7		7				Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007). Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-2	16-Oct-25	Top	Attached					Diatom film	Present				Present	6		Thin film coverine most of the plate	n/a	Incidental
AIS 1-2	16-Oct-25	Top	Attached	Cnidaria	Hydrozoa			Hydrozoa indet.	1				1	1		Deeraded. possibly Campanulariidae indet.	Indeterminate	Damaged/small pieces of hydroid. Hydroids are often one of the first colonizers on settlement plates and can create habitat for other oreanisms.
AIS 1-3	16-Oct-25	Bottom	Attached					Diatom film	Present				Present	6			n/a	Incidental
AIS 1-3	16-Oct-25	Bottom	Attached	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.	2				2	2			No	
AIS 1-3	16-Oct-25	Bottom	Attached	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatellidae indet.			1		1	1		Found in elastic edee	No	Juvenile. family not known to contain invasive species
AIS 1-3	16-Oct-25	Bottom	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			7		7	1			Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007). Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-3	16-Oct-25	Bottom	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			1		1	1			Genus contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)))	Genus contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-3	16-Oct-25	Flocculent	Mobile	Arthropoda	Malacostraca	Amphipoda	Aoiscgammaridae	Dogammarus confervicolus		2			2		1		No	Native amphipod. Distinctive enough to be identified when immature.
AIS 1-3	16-Oct-25	Flocculent	Mobile	Arthropoda	Malacostraca	Amphipoda		Amphipoda indet.			2		2			Damaaed	Indeterminate	Juvenile/larval/too immature
AIS 1-3	16-Oct-25	Flocculent	Mobile	Arthropoda	Copepoda	Harpacticoida		Harpacticoida indet.	4				4		1		No	Small copepoods eenerally considered meiofauna/incidental
AIS 1-3	16-Oct-25	Flocculent	Mobile	Arthropoda	Ostracoda			Ostracoda indet.	3				3		1		Indeterminate	Incidental for macroinvertebrate surveys- eenerally considered meiofauna (<0.5 mm)
AIS 1-3	16-Oct-25	Flocculent	Mobile	Echinodermata	Asteroidea			Asteroidea indet.			1		1		1		No	
AIS 1-3	16-Oct-25	Flocculent	Attached	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.	1				1				No	
AIS 1-3	16-Oct-25	Flocculent	Attached	Cnidaria	Hydrozoa			Hydrozoa indet.	1				1				Indeterminate	Damaged/small pieces of hydroid. Hydroids are often one of the first colonizers on settlement plates and can create habitat for other oreanisms.
AIS 1-3	16-Oct-25	Flocculent	Attached	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatellidae indet.			2		2				No	Juvenile. family not known to contain invasive species
AIS 1-3	16-Oct-25	Flocculent	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			24		24				Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007). Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-3	16-Oct-25	Flocculent	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			13		13				Genus contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)))	Genus contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-3	16-Oct-25	Flocculent	Attached	Mollusca	Bivalvia			Bivalvia indet.			11		11				Indeterminate	Juveniles/intermediates - not possible to discern species morphologically
AIS 1-3	16-Oct-25	Top	Attached					Algae	Present				Present	5		Tufts of green algae	n/a	Not identified but does contain potential invasive taxa
AIS 1-3	16-Oct-25	Top	Attached					Diatom film	Present				Present	6		Thin film coverine most of the plate	n/a	Incidental
AIS 1-3	16-Oct-25	Top	Attached	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.	1				1	1			No	
AIS 1-3	16-Oct-25	Top	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			1		1	1			Genus contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)))	Genus contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-3	16-Oct-25	Top	Attached	Mollusca	Bivalvia			Bivalvia indet.			4		4	1			Indeterminate	Juveniles/intermediates - not possible to discern species morphologically
AIS 1-3	16-Oct-25	Ziptie	Attached	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus crenatus		4			4	2	1	Found on zipties	No	
AIS 1-3	16-Oct-25	Ziptie	Attached	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.	2				2	4	1	Found on zipties. 1 colony on each of two zipties	No	
AIS 1-3	16-Oct-25	Ziptie	Attached	Mollusca	Bivalvia	Adapedonta	Hiatellidae	Hiatella arctica			2		2		1	Found on zipties	No	
AIS 1-3	16-Oct-25	Ziptie	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			79		79			Found on zipties	Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007). Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 1-3	16-Oct-25	Ziptie	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			56		56		1	Found on zipties	Genus contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)))	Genus contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS SR-2	16-Oct-25	Bottom	Attached					Algae	Present				Present	5		Sparse green algae coverine most of plate	n/a	Not identified but does contain potential invasive taxa
AIS SR-2	16-Oct-25	Bottom	Attached	Cnidaria	Hydrozoa			Hydrozoa indet.	1				1	4	1	Colony from top side wrapped around plate and spread onto bottom	Indeterminate	Damaged/small pieces of hydroid. Hydroids are often one of the first colonizers on settlement plates and can create habitat for other oreanisms.
AIS SR-2	16-Oct-25	Bottom	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.				65	65	2		Found in elastic edee	Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007). Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS SR-2	16-Oct-25	Bottom	Attached	Mollusca	Bivalvia			Bivalvia indet.				18	18	1			Indeterminate	Juveniles/intermediates - not possible to discern species morphologically
AIS SR-2	16-Oct-25	Flocculent	Mobile	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.	1	3	1		5		1	Possibly Americorophium sp.	Family contains potential invasive species (Monocorophium acherusicum and M. insidiosum (Gartner (2016). Molnar (2008)))	This family contains the historically introduced Monocorophium acherucium. Intermediates/juveniles left at Family level due to lack of distinguishine characters. The species in this family are very morpholoeically similar.
AIS SR-2	16-Oct-25	Flocculent	Mobile	Arthropoda	Malacostraca	Amphipoda		Amphipoda indet.	1				1			Damaaed	Indeterminate	Damaaed
AIS SR-2	16-Oct-25	Flocculent	Mobile	Arthropoda	Copepoda	Harpacticoida		Harpacticoida indet.	3				3		1		No	Small copepoods eenerally considered meiofauna/incidental
AIS SR-2	16-Oct-25	Flocculent	Mobile	Arthropoda	Hexapoda	Diptera	Chironomidae	Orthocladiinae indet.			2		2		1		No	
AIS SR-2	16-Oct-25	Flocculent	Attached	Cnidaria	Hydrozoa			Hydrozoa indet.	1				1			Fraements	Indeterminate	Damaged/small pieces of hydroid. Hydroids are often one of the first colonizers on settlement plates and can create habitat for other oreanisms.
AIS SR-2	16-Oct-25	Flocculent	Mobile	Nematoda				Nematoda indet.	4				4		1		n/a	Considered incidental for macroinvertebrate surveys. Nematode taxonomy requires advanced microscopy
AIS SR-2	16-Oct-25	Flocculent	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.				204	204				Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007). Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS SR-2	16-Oct-25	Flocculent	Attached	Mollusca	Bivalvia			Bivalvia indet.			14		14				Indeterminate	Juveniles/intermediates - not possible to discern species morphologically
AIS SR-2	16-Oct-25	Top	Attached					Algae	Present				Present	6		Sparse green algae covering most of plate	n/a	Not identified but does contain potential invasive taxa
AIS SR-2	16-Oct-25	Top	Attached					Egg/egg mass	6				6	1			n/a	Incidental
AIS SR-2	16-Oct-25	Top	Attached	Cnidaria	Hydrozoa			Hydrozoa indet.	1				1	6		Coverine the entire plate	Indeterminate	Damaged/small pieces of hydroid. Hydroids are often one of the first colonizers on settlement plates and can create habitat for other oreanisms.
AIS SR-2	16-Oct-25	Top	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.				183	183	2			Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007). Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS SR-2	16-Oct-25	Top	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			2		2	1	1		Genus contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)))	Genus contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS SR-2	16-Oct-25	Top	Attached	Mollusca	Bivalvia			Bivalvia indet.			19		19	2			Indeterminate	Juveniles/intermediates - not possible to discern species morphologically
AIS SR-3	16-Oct-25	Bottom	Attached	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus crenatus	2				2	1			No	
AIS SR-3	16-Oct-25	Bottom	Attached					Algae	Present				Present	5		Green tufts erowine mostly on base of hydroids	n/a	Not identified but does contain potential invasive taxa
AIS SR-3	16-Oct-25	Bottom	Attached					Diatom film	Present				Present	6		Thin film coverine the entire plate	n/a	Incidental
AIS SR-3	16-Oct-25	Bottom	Attached	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.	1				1	6		Dense. coverine the entire plate	No	

AIS SR-3	16-Oct-25	Bottom	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			29	29	4					Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS SR-3	16-Oct-25	Bottom	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			1	1	1					Genus contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)))	Genus contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS SR-3	16-Oct-25	Flocculent	Mobile	Arthropoda	Arachnida	Trombidiformes	Halacaridae	Halacaridae indet.	2			2		1				No	Freshwater/estaurine aquatic mite
AIS SR-3	16-Oct-25	Flocculent	Mobile	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.		2		2		1		Possibly Monocorophium	Family contains potential invasive species (Monocorophium acherusicum and M. insidiosum (Gartner (2016). Molnar (2008)))	This family contains the historically introduced Monocorophium acherucium. Intermediates/juveniles left at Family level due to lack of distineuishine characters. The species in this family are very morpholosically similar.
AIS SR-3	16-Oct-25	Flocculent	Mobile	Arthropoda	Copepoda	Harpacticoida		Harpacticoida indet.	17			17		1				No	Small copepods generally considered meiofauna/incidental
AIS SR-3	16-Oct-25	Flocculent	Mobile	Arthropoda	Ostracoda			Ostracoda indet.	12			12		1		Mieofaunal ostracods		Indeterminate	Incidental for macroinvertebrate surveys- eenerally considered meiofauna (<0.5 mm)
AIS SR-3	16-Oct-25	Flocculent	Attached	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.	1			1						No	
AIS SR-3	16-Oct-25	Flocculent	Mobile	Nemertea				Nemertea indet.					1	1				Indeterminate	Juveniles/intermediates - not possible to discern species morphologically
AIS SR-3	16-Oct-25	Flocculent	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			26	26						Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS SR-3	16-Oct-25	Flocculent	Attached	Mollusca	Bivalvia			Bivalvia indet.			6	6						Indeterminate	Juveniles/intermediates - not possible to discern species morphologically
AIS SR-3	16-Oct-25	Flocculent	Mobile	Mollusca	Gastropoda	Nudibranchia		Aeolidioidea indet.			4	4		1				No	Juveniles/intermediates - not possible to discern species morphologically
AIS SR-3	16-Oct-25	Top	Attached	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus crenatus		1		1	1	1				No	
AIS SR-3	16-Oct-25	Top	Attached					Algae	Present			Present	5			Green tufts growing mostly on base of hydroids		n/a	Not identified but does contain potential invasive taxa
AIS SR-3	16-Oct-25	Top	Attached					Diatom film	Present			Present	6			Thin film coverine the entire plate		n/a	Incidental
AIS SR-3	16-Oct-25	Top	Attached	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.	1			1	6	1		Dense, coverine the entire plate		No	
AIS SR-3	16-Oct-25	Top	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			18	18	3					Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS SR-3	16-Oct-25	Top	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			7	7	1	1		Found on edee of plate		Genus contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)))	Genus contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS NR-1	16-Oct-25	Bottom	Attached					Algae	Present			Present	3			Green fuzzy aelae on corners of plate		n/a	Not identified but does contain potential invasive taxa
AIS NR-1	16-Oct-25	Bottom	Attached					Diatom film	Present			Present	6			Thin film covering most of the plate		n/a	Incidental
AIS NR-1	16-Oct-25	Flocculent	Mobile	Arthropoda	Malacostraca	Amphipoda	Aniogammaridae	Eogammarus confervicolus	2			2		1				No	Native amphipod. Distinctive enouah to be identified when immature.
AIS NR-1	16-Oct-25	Flocculent	Mobile	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.	26	50	32	108		1		Possibly Americorophium spinicorne	Family contains potential invasive species (Monocorophium acherusicum and M. insidiosum (Gartner (2016). Molnar (2008)))	This family contains the historically introduced Monocorophium acherucium. Intermediates/juveniles left at Family level due to lack of distineuishine characters. The species in this family are very morpholosically similar.
AIS NR-1	16-Oct-25	Flocculent	Mobile	Arthropoda	Malacostraca	Amphipoda		Amphipoda indet.			3	3				Possibly Eogammarus		Indeterminate	Juvenile/larval/too immature
AIS NR-1	16-Oct-25	Flocculent	Mobile	Arthropoda	Copepoda	Harpacticoida		Harpacticoida indet.	6			6		1				No	Small copepods generally considered meiofauna/incidental
AIS NR-1	16-Oct-25	Flocculent	Mobile	Nematoda				Nematoda indet.	11			11						n/a	Considered incidental for macroinvertebrate surveys. Nematode taxonomy requires advanced microscopy
AIS NR-1	16-Oct-25	Flocculent	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			11	11						Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS NR-1	16-Oct-25	Top	Attached	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus balanus		6		6	1	1				No	
AIS NR-1	16-Oct-25	Top	Attached	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.			2	2	1					Order contains potential non-indienous species	For example: Amphibalanus improvisus (DFO (2007). Gartner (2016). Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS NR-1	16-Oct-25	Top	Attached					Algae	Present			Present	5			Fuzzy green aleae mixed with leafy macroalgae across most of face of plate		n/a	Not identified but does contain potential invasive taxa
AIS NR-1	16-Oct-25	Top	Attached					Diatom film	Present			Present	6					n/a	Incidental
AIS NR-1	16-Oct-25	Top	Attached	Bryozoa	Gymnolaemata	Cheilostomatida		Cheilostomatida indet.	1			1	2	1		Encrustine		Indeterminate	Order does contain invasive species
AIS NR-1	16-Oct-25	Top	Mobile	Nematoda				Nematoda indet.	3			3		1		On Bryozoa		n/a	Considered incidental for macroinvertebrate surveys. Nematode taxonomy requires advanced microscopy
AIS NR-1	16-Oct-25	Top	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			18	18	1	1				Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS NR-2-R	16-Oct-25	Flocculent	Mobile	Arthropoda	Malacostraca	Amphipoda		Gammaroidea indet.			1	1		1		Possibly Aniosammaridae		Indeterminate	Juvenile/larval/too immature
AIS NR-2-R	16-Oct-25	Flocculent	Mobile	Arthropoda	Malacostraca	Decapoda		Brachyura indet.			1	1		1				Indeterminate	Order contains possible invasive species
AIS NR-2-R	16-Oct-25	Flocculent	Mobile	Arthropoda	Hexapoda	Diptera	Chironomidae	Orthocladiinae indet.					1	1				No	
AIS NR-2-R	16-Oct-25	Flocculent	Attached	Cnidaria	Hydrozoa			Hydrozoa indet.	1			1						Indeterminate	Damaged/small pieces of hydroid. Hydroids are often one of the first colonizers on settlement plates and can create habitat for other oreanisms.
AIS NR-2-R	16-Oct-25	Flocculent	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			11	11						Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS NR-2-R	16-Oct-25	Flocculent	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			1	1						Genus contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)))	Genus contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS NR-2-R	16-Oct-25	Rope	Attached	Cnidaria	Hydrozoa			Hydrozoa indet.	1			1	6	1		Coverine the entire plate		Indeterminate	Damaged/small pieces of hydroid. Hydroids are often one of the first colonizers on settlement plates and can create habitat for other oreanisms.
AIS NR-2-R	16-Oct-25	Rope	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			7	7	1					Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS NR-2-R	16-Oct-25	Rope	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.		48	8	56	6	1		Covering 75% of rope		Genus contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)))	Genus contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS NR-3-R	16-Oct-25	Flocculent	Mobile	Annelida	Polychaeta		Ophelliidae	Ophelliidae indet.			1	1		1		Immature, possibly Ophelina sp.		No	Juvenile typically identifiable if non-juvenile (intermediates, adults)
AIS NR-3-R	16-Oct-25	Flocculent	Mobile	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.		1		1		1		Possibly Americorophium spinicorne	Family contains potential invasive species (Monocorophium acherusicum and M. insidiosum (Gartner (2016). Molnar (2008)))	This family contains the historically introduced Monocorophium acherucium. Intermediates/juveniles left at Family level due to lack of distineuishine characters. The species in this family are very morpholosically similar.
AIS NR-3-R	16-Oct-25	Flocculent	Mobile	Arthropoda	Copepoda	Harpacticoida		Harpacticoida indet.	7			7		1				No	Small copepods generally considered meiofauna/incidental
AIS NR-3-R	16-Oct-25	Flocculent	Mobile	Arthropoda	Hexapoda	Diptera	Chironomidae	Orthocladiinae indet.					2	1				No	
AIS NR-3-R	16-Oct-25	Flocculent	Attached					Algae	Present			Present				Pieces of same aleae attached to rope and hydroids		n/a	Not identified but does contain potential invasive taxa
AIS NR-3-R	16-Oct-25	Flocculent	Attached	Cnidaria	Hydrozoa			Hydrozoa indet.	1			1				Fragments		Indeterminate	Damaged/small pieces of hydroid. Hydroids are often one of the first colonizers on settlement plates and can create habitat for other organisms.
AIS NR-3-R	16-Oct-25	Flocculent	Mobile	Platyhelminthes		Polycladida		Polycladida indet.			1	1		1		Transitional staeine between larva and juvenile		No	Juveniles/intermediates - not possible to discern species morphologically
AIS NR-3-R	16-Oct-25	Flocculent	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			23	23						Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS NR-3-R	16-Oct-25	Flocculent	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			7	7						Genus contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)))	Genus contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS NR-3-R	16-Oct-25	Flocculent	Attached	Mollusca	Bivalvia			Bivalvia indet.			91	91						Indeterminate	Juveniles/intermediates - not possible to discern species morphologically
AIS NR-3-R	16-Oct-25	Rope	Attached					Algae	Present			Present	5			Greenish brown aleae coatine base of hydroids		n/a	Not identified but does contain potential invasive taxa
AIS NR-3-R	16-Oct-25	Rope	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			13	13	2	1				Genus contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)))	Genus contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS NR-3-R	16-Oct-25	Rope	Attached	Mollusca	Bivalvia			Bivalvia indet.			29	29	1					Indeterminate	Juveniles/intermediates - not possible to discern species morphologically
AIS NR-3-R	16-Oct-25	Ziptie	Attached	Cnidaria	Hydrozoa			Hydrozoa indet.	1			1	6	1		Coverine the entire rope and ziptie		Indeterminate	Damaged/small pieces of hydroid. Hydroids are often one of the first colonizers on settlement plates and can create habitat for other oreanisms.
AIS 2-1	16-Oct-25	Bottom	Attached					Algae	Present			Present	2			Patchy areen aleae		n/a	Not identified but does contain potential invasive taxa
AIS 2-1	16-Oct-25	Bottom	Attached					Diatom film	Present			Present	6			Thin film coverine most of the plate		n/a	Incidental
AIS 2-1	16-Oct-25	Bottom	Attached	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.	1			1	1	1		Colony on top and bottom of plate		No	
AIS 2-1	16-Oct-25	Flocculent	Mobile	Annelida	Clitellata	Tubificida	Naididae	Nais elinguis	28			28		1				No	Small oligochaete worms (<0.5mm). Not eenerally typical of marine settlment plates
AIS 2-1	16-Oct-25	Flocculent	Mobile	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.	36	21	4	61		1		Possibly Americorophium spinicorne	Family contains potential invasive species (Monocorophium acherusicum and M. insidiosum (Gartner (2016). Molnar (2008)))	This family contains the historically introduced Monocorophium acherucium. Intermediates/juveniles left at Family level due to lack of distineuishine characters. The species in this family are very morpholosically similar.
AIS 2-1	16-Oct-25	Flocculent	Mobile	Arthropoda	Malacostraca	Amphipoda		Amphipoda indet.		1	2	3				Damaged		Indeterminate	Juvenile/larval/too immature
AIS 2-1	16-Oct-25	Flocculent	Mobile	Arthropoda	Hexapoda	Diptera	Chironomidae	Orthocladiinae indet.					4	1				No	
AIS 2-1	16-Oct-25	Flocculent	Attached	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.	1			1				Fragments		No	
AIS 2-1	16-Oct-25	Flocculent	Mobile	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			58	58						Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 2-1	16-Oct-25	Top	Attached	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.		1		1	1	1				Order contains potential non-indienous species	For example: Amphibalanus improvisus (DFO (2007). Gartner (2016). Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS 2-1	16-Oct-25	Top	Attached					Algae	Present			Present	6			Fuzzy and green, in patches over most of plate and on hydroids		n/a	Not identified but does contain potential invasive taxa
AIS 2-1	16-Oct-25	Top	Attached					Diatom film	Present			Present	6					n/a	Incidental
AIS 2-1	16-Oct-25	Top	Attached					Egg/egg mass	7			7	1					n/a	Incidental
AIS 2-1	16-Oct-25	Top	Attached	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.	1			1	6			Covering the entire plate		No	
AIS 2-1	16-Oct-25	Top	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			26	26	1	1				Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 2-2-R	16-Oct-25	Flocculent	Mobile	Arthropoda	Malacostraca	Amphipoda	Aniogammaridae	Eogammarus confervicolus	1			1		1				No	Native amphipod. Distinctive enouah to be identified when immature.
AIS 2-2-R	16-Oct-25	Flocculent	Mobile	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.	28	13	7	48						Family contains potential invasive species (Monocorophium acherusicum and M. insidiosum (Gartner (2016), Molnar (2008)))	This family contains the historically introduced Monocorophium acherucium. Intermediates/juveniles left at Family level due to lack of distinguishing characters. The species in this family are very morphologically similar.
AIS 2-2-R	16-Oct-25	Flocculent	Mobile	Arthropoda	Copepoda	Harpacticoida		Harpacticoida indet.	6			6		1				No	Small copepods generally considered meiofauna/incidental
AIS 2-2-R	16-Oct-25	Flocculent	Attached					Egg/egg mass	3			3						n/a	Incidental
AIS 2-2-R	16-Oct-25	Flocculent	Attached	Cnidaria	Hydrozoa			Hydrozoa indet.	1			1		1				Indeterminate	Damaged/small pieces of hydroid. Hydroids are often one of the first colonizers on settlement plates and can create habitat for other oreanisms.
AIS 2-2-R	16-Oct-25	Flocculent	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			74	74						Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 2-2-R	16-Oct-25	Flocculent	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			9	9						Genus contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)))	Genus contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 2-2-R	16-Oct-25	Flocculent	Mobile	Mollusca	Gastropoda	Nudibranchia		Aeolidioidea indet.		3		3		1				No	Juveniles/intermediates - not possible to discern species morphologically
AIS 2-2-R	16-Oct-25	Rope	Mobile	Annelida	Polychaeta	Phyllodocida	Nereididae	Nereis sp.			1	1		1		Possibly N. pelagica		Indeterminate	Juvenile typically identifiable if non-juvenile (intermediates, adults)
AIS 2-2-R	16-Oct-25	Rope	Mobile	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.	2			2		1		Possibly Americorophium spinicorne	Family contains potential invasive species (Monocorophium acherusicum and M. insidiosum (Gartner (2016). Molnar (2008)))	This family contains the historically introduced Monocorophium acherucium. Intermediates/juveniles left at Family level due to lack of distineuishine characters. The species in this family are very morpholosically similar.
AIS 2-2-R	16-Oct-25	Rope	Attached					Algae	Present			Present	2			Patchy. areen. filamentous aleae on rope and in hydroids		n/a	Not identified but does contain potential invasive taxa
AIS 2-2-R	16-Oct-25	Rope	Attached					Egg/egg mass	13			13	1					n/a	Incidental

AIS 2-2-R	16-Oct-25	Rope	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			18	18	2			Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 2-2-R	16-Oct-25	Rope	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			22	22	2	1		Genus contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010))	Genus contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 2-2-R	16-Oct-25	Ziptie	Attached	Bryozoa	Gymnolaemata	Cheilostomatida	Electridae	Conopeum sp.	1			1	3	1	Coverine part of one of the attached zipties	No	
AIS 2-2-R	16-Oct-25	Ziptie	Attached	Cnidaria	Hydrozoa			Hydrozoa indet.	1			1	6		Coverine the entire rope and zipte	Indeterminate	Damaged/small pieces of hydroid. Hydroids are often one of the first colonizers on settlement plates and can create habitat for other oreanisms.
AIS 2-3	16-Oct-25	Bottom	Attached					Algae	Present			Present	2		Green filamentous tufts. erowine mostly on base of hydroids	n/a	Not identified but does contain potential invasive taxa
AIS 2-3	16-Oct-25	Bottom	Attached					Egg/egg mass	8			8	1			n/a	Incidental
AIS 2-3	16-Oct-25	Bottom	Attached	Bryozoa	Gymnolaemata	Cheilostomatida	Electridae	Conopeum sp.	8			8	5	1	Multiple encrusting colonies coverine about half of the plate	No	
AIS 2-3	16-Oct-25	Bottom	Attached	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.	1			1	6		Soarsely coverine the entire plate	No	
AIS 2-3	16-Oct-25	Bottom	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			68	68	2			Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 2-3	16-Oct-25	Flocculent	Mobile	Annelida	Polychaeta	Phyllodocida	Nereididae	Nereididae indet.			1	1		1	Immature, possibly Hediste	Indeterminate	Juvenile typically identifiable if non-juvenile (intermediates, adults)
AIS 2-3	16-Oct-25	Flocculent	Mobile	Annelida	Polychaeta	Spionida	Spionidae	Spionidae indet.			1	1		1	Transitional staeine between larva and juvenile	Indeterminate	Juvenile typically identifiable if non-juvenile (intermediates, adults)
AIS 2-3	16-Oct-25	Flocculent	Mobile	Arthropoda	Malacostraca	Amphipoda	Aniosgammaridae	Eogammarus confervicolus	3			3		1		No	Native amphipod. Distinctive enouah to be identified when immature.
AIS 2-3	16-Oct-25	Flocculent	Mobile	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.	26	16	7	49				Family contains potential invasive species (Monocorophium acherusicum and M. insidiosum (Gartner (2016), Molnar (2008)))	This family contains the historically introduced Monocorophium acherucium. Intermediates/juveniles left at Family level due to lack of distinguishing characters. The species in this family are very morphologically similar.
AIS 2-3	16-Oct-25	Flocculent	Mobile	Arthropoda	Malacostraca	Amphipoda		Amphipoda indet.		2	2	4			Immature	Indeterminate	Juvenile/larval/too immature
AIS 2-3	16-Oct-25	Flocculent	Attached					Algae	Present			Present			Green filamentous algae bundled with hydroid pieces	n/a	Not identified but does contain potential invasive taxa
AIS 2-3	16-Oct-25	Flocculent	Attached					Egg/egg mass	11			11				n/a	Incidental
AIS 2-3	16-Oct-25	Flocculent	Attached	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.	1			1		1	Fraements	No	
AIS 2-3	16-Oct-25	Flocculent	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			178	178				Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 2-3	16-Oct-25	Flocculent	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			2	2				Genus contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010))	Genus contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 2-3	16-Oct-25	Flocculent	Mobile	Mollusca	Gastropoda	Nudibranchia		Aeolidioidea indet.		7	49	56		1		No	Juveniles/intermediates - not possible to discern species morphologically
AIS 2-3	16-Oct-25	Top	Mobile	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiidae indet.		1		1		1		Family contains potential invasive species (Monocorophium acherusicum and M. insidiosum (Gartner (2016). Molnar (2008)))	This family contains the historically introduced Monocorophium acherucium. Intermediates/juveniles left at Family level due to lack of distineuishine characters. The species in this family are very morphoboeically similar.
AIS 2-3	16-Oct-25	Top	Attached	Arthropoda	Thecostraca	Balanomorpha	Balanidae	Balanus balanus		1		1	1	1		No	
AIS 2-3	16-Oct-25	Top	Attached	Arthropoda	Thecostraca	Balanomorpha		Balanomorpha indet.			14	14	2			Order contains potential non-indiennous species	For example: Amphibalanus improvisus (DFO (2007), Gartner (2016), Molnar (2008))). Juveniles/intermediates - not possible to discern species morphologically
AIS 2-3	16-Oct-25	Top	Attached					Algae	Present			Present	3		Green filamentous tufts. erowine mostly on base of hydroids	n/a	Not identified but does contain potential invasive taxa
AIS 2-3	16-Oct-25	Top	Attached					Egg/egg mass	33			33	3			n/a	Incidental
AIS 2-3	16-Oct-25	Top	Attached	Cnidaria	Hydrozoa	Leptothecata	Campanulariidae	Campanulariidae indet.	1			1	6			No	
AIS 2-3	16-Oct-25	Top	Attached	Cnidaria	Hydrozoa			Hydrozoa indet.	1			1	6		Coverine the entire plate	Indeterminate	Damaged/small pieces of hydroid. Hydroids are often one of the first colonizers on settlement plates and can create habitat for other oreanisms.
AIS 2-3	16-Oct-25	Top	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilidae indet.			59	59	2			Family contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010)) and Musculista senhousia (Gillespie (2007), Molnar (2008)))	Family contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.
AIS 2-3	16-Oct-25	Top	Attached	Mollusca	Bivalvia	Mytilida	Mytilidae	Mytilus sp.			4	4	1	1		Genus contains potential invasive species (Mytilus galloprovincialis (Shields et al. (2010))	Genus contains known invasives. These can be difficult to discern as adults due to historical introductions of similar species and hybridization. Would likely need DNA to make positive identifications of individual species.

APPENDIX I

KPI4B TASKS

Table 1a: Summary table of raw EGC trapping data

Site ID	Latitude	Longitude	Date and Time Trap Set	Date and Time Trap Pull	Total Soak Time (h)	Bait Type	Tide Height (Set)	Tide Height (Pull)	Total Unique Species	Unique Species
CT25-1	49.66748851	-123.2488675	7/8/2025 2:46:00 PM	7/9/2025 3:39:00 PM	24.86	Cat food	2.21	1.95	0	-
CT25-2	49.66448909	-123.2532777	7/8/2025 2:53:00 PM	7/9/2025 3:45:00 PM	24.86	Cat food	2.1	1.89	2	White Spotted Greenling, Coastrange Sculpin
CT25-3	49.6640472	-123.2567637	7/8/2025 3:01:00 PM	7/9/2025 4:00:00 PM	24.98	Cat food	1.99	1.76	3	Dungeness Crab, Spotted Greenling, Pacific Staghorn Sculpin
CT25-4	49.66199833	-123.2582728	7/8/2025 3:07:00 PM	7/9/2025 4:12:00 PM	25.06	Cat food	1.8	1.6	2	Red Rock Crab, White Spotted Greenling
CT25-5	49.65927324	-123.2588501	7/8/2025 3:11:00 PM	7/9/2025 4:21:00 PM	25.16	Cat food	1.89	1.53	1	Dungeness Crab

Table 1b: Individual measurements of raw EGC trapping data

Site ID	Common Name	Scientific Name	Life Stage	Carapace Width (cm)	Length (mm)
CT25-1			*No catch*		
CT25-2	White Spotted Greenling	*Hexagrammos stelleri*			340
CT25-2	Coastrange Sculpin	*Cottus aleuticus*			130
CT25-3	Dungeness Crab	*Metacarcinus magister*	Juvenile	9.3	
CT25-3	White Spotted Greenling	*Hexagrammos stelleri*			160
CT25-3	Pacific Staghorn Sculpin	*Leptocottus armatus*			135
CT25-4	Red Rock Crab	*Cancer productus*	Adult	10	
CT25-4	White Spotted Greenling	*Hexagrammos stelleri*			210
CT25-5	Dungeness Crab	*Metacarcinus magister*	Juvenile	9	