

Enhanced Monitoring of Recreational Chinook Salmon Mark-Selective Fisheries in South Coast BC Tidal Waters: Reference Fishery, 2023

Erin L. Rechisky, Philip R. Lemp, Nicholas A. Bohlender, Kevin A. Pellett,
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South Coast Area Stock Assessment
Pacific Region
Fisheries and Oceans Canada
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ABSTRACT

Rechisky, E.L., Lemp, P.R., Bohlender, N.A., Pellett, K.A., Porter, A.P., Hall, P.E.D. 2024. Enhanced Monitoring of Recreational Chinook Salmon Mark-Selective Fisheries in South Coast BC Tidal Waters: Reference Fishery, 2023. Can. Data Rep. Fish. Aquat. Sci. 1401 : iv + 48 p.

To better understand the effects of recreational Chinook salmon mark-selective fisheries (MSFs) in British Columbia, Fisheries and Oceans Canada initiated a multi-year monitoring program in 2023 to independently verify estimates of Chinook catch (number of Chinook caught and released at sea by size class), mark rate (the proportion of hatchery-marked Chinook encountered by the fishery), and stock composition (particularly for unmarked stocks that would otherwise be released at-sea and are unavailable to dockside sampling in a pure MSF). This data report provides a summary of hatchery mark rates by size class (i.e., sub-legal and legal), and stock composition for Chinook encountered in each MSF for each reference fishery by month, as well as the stock composition, length, and mark status for each fish sampled during the reference fishery in 2023 (Appendix B).

RÉSUMÉ

Rechisky, E.L., Lemp, P.R., Bohlender, N.A., Pellett, K.A., Porter, A.P., Hall, P.E.D. 2024. Enhanced Monitoring of Recreational Chinook Salmon Mark-Selective Fisheries in South Coast BC Tidal Waters: Reference Fishery, 2023. Can. Data Rep. Fish. Aquat. Sci. 1401 : iv + 48 p.

Afin de mieux comprendre les effets de la pêche récréative sélective du saumon quinnat (MSF) en Colombie-Britannique, Pêches et Océans Canada a lancé un programme de surveillance pluriannuel en 2023 pour vérifier de manière indépendante les estimations des captures de saumon quinnat (nombre de saumons quinnat capturés et relâchés en mer par classe de taille), le taux de marquage (la proportion de chinooks marqués en écloserie rencontrés par la pêcherie) et la composition du stock (en particulier pour les stocks non marqués qui seraient autrement relâchés en mer et ne sont pas disponibles pour l'échantillonnage à quai dans un MSF pur). Ces données Le rapport fournit un résumé des taux de marquage des écloséries par classe de taille (c.-à-d. sous-légale et légale) et la composition du stock de saumon quinnat rencontré dans chaque MSF pour chaque pêcherie de référence par mois, ainsi que la composition du stock, la longueur et l'état de la marque pour chaque poisson échantillonné lors de la pêche de référence en 2023 (Annexe B)

INTRODUCTION

Mark-selective fisheries (MSFs) have emerged as a management tool designed to shift exploitation of natural-origin salmon stocks to hatchery-origin salmon (Pacific Salmon Commission, 2023). Hatchery-origin Chinook salmon (*Oncorhynchus tshawytscha*) are often “marked” at the hatchery by removing the adipose fin so they are easily identifiable; however, not all Chinook from Canadian hatcheries are marked with a clipped adipose fin. Therefore, Chinook with an intact adipose fin cannot be assumed to be of natural origin and are referred to here as unmarked Chinook. In addition, a proportion of hatchery fish that are externally marked with an adipose fin clip are also implanted with a coded wire tag (CWT) for stock management purposes.

Mark-selective fisheries (MSFs) operate under two primary models: pure MSFs, where only hatchery-marked fish above a minimum size can be retained, and mixed-bag MSFs that have different retention regulations associated with marked and unmarked fish, but unmarked fish can still be retained under specific conditions (see Table 1 for examples of both types). In pure MSFs, unmarked stocks are released at-sea and unavailable to dockside sampling; a reference fishery addresses this data gap. Further, since MSFs disproportionately harvest hatchery Chinook, the Pacific Salmon Commission issued a technical report in 2023, providing recommendations for estimating exploitation rates for Chinook salmon CWT indicator stocks affected by MSFs (Pacific Salmon Commission, 2023). Recommendation 3.1 urged management entities to monitor at-sea releases and mark rates in MSFs (Pacific Salmon Commission, 2023).

In 2021, four pilot Chinook MSFs were introduced in the South Coast Area of British Columbia, with one operating as a pure MSF (the other three were mixed-bag type MSFs). These continued unchanged in 2022. Subsequently, in 2023, two additional pure MSFs were introduced, and one of the mixed bag MSFs from 2021 was changed to a pure MSF (See Table 1 for regulations and Appendix A for 2023 maps). During DFO consultations, several First Nations and stakeholder groups expressed concern regarding potential impacts on stocks of concern being encountered by these fisheries. To address these issues, the Pacific Salmon Strategy Initiative (PSSI) supported enhanced monitoring by DFO of MSFs through two key approaches under the harvest transformation pillar (Government of Canada, 2021). First, an expansion of the DFO South Coast Area recreational catch monitoring program to increase the frequency of dockside interviews (i.e., creel surveys) and flight surveys to estimate fishing effort within MSFs. Second, the development of a reference fishery to independently verify creel estimates including catch (number of Chinook caught and released at sea

by size class), mark rate (the proportion of hatchery-marked Chinook encountered by the fishery), and stock composition (particularly for unmarked stocks that would otherwise be released at-sea in a pure MSF). This data report describes the sampling methods employed for the reference fishery and presents the data collected for all Chinook sampled in 2023.

METHODS

Scope and Operational Challenges

The 2023 reference fisheries focused on pure MSF areas, specifically Victoria and Haro Strait (portions of Pacific Fishery Management Area [PFMA] 19), the Gulf Islands and Saanich Inlet (portions of PFMA 17, 18, and 19), Becher Bay (portions of PFMA 20), and Sechelt Inlet (portions of PFMA 16; Table 1). Mixed-bag MSFs were monitored through dockside interviews as part of DFO's recreational catch monitoring program (these results are reported elsewhere).

As a new monitoring program, there were some challenges in planning and executing the 2023 reference fishery including uncertainty regarding budgetary decisions which resulted in staffing delays and delayed MSF regulation decisions. Thus, although reference fisheries were operated in all four pure MSFs, they were not operated for the duration of the MSF in two cases because we did not have the capacity to monitor all four pure MSFs simultaneously. For the Victoria and Haro Strait MSF, the reference fishery operated during every week of the opening (May 3-31; Table 1). Likewise, for the Gulf Islands/Saanich Inlet MSF, the reference fishery operated during every week of the opening (May 3 – July 31). However, for the Becher Bay MSF, the reference fishery operated for four weeks in July out of the 17 week opening (April 1 – July 31). For the Sechelt Inlet MSF, the reference fishery operated for four weeks from late June to early July out of the 15 week opening (April 1 – July 14) . Therefore, Becher Bay and Sechelt Inlet reference fishery data presented here do not represent the full extent of the MSF fishery in those areas in 2023.

Fishing Operations

The fishing protocol was established to emulate typical recreational fishing trips targeting Chinook salmon including the normal fishing areas, depths, and gear types for each region and season. Guides were instructed to conduct reference fishery trips as they would a normal chartered fishing trip, determining fishing locations and departure times based on their expertise. Catch per unit effort (CPUE) is typically higher for guided than unguided trips, but the objective of the reference fishery was to assess the composition of the fish vulnerable to the fishery, not to evaluate effort. Therefore

sampling was conducted in standard areas and depths, and using gear typical for that region and time of year. Thus, all fishing was done by trolling with downriggers. The selection of terminal tackle was left to the guide's discretion with the most common set up being an inline flasher followed by a spoon or hoochie. All fishing was restricted to the MSF open areas and guides were instructed to avoid any fishing locations close to boundary lines to prevent accidentally drifting out of bounds while sampling. DFO staff or contractors were paired up with each fishing vessel to record and sample all Chinook encountered. Sampling was conducted on Tuesdays, Wednesdays, and Thursdays (see Table 2) with each day lasting approximately eight hours, including running time.

Sampling Protocols

Each fishing vessel participating in the reference fishery had a trained DFO sampler on board who sampled all Chinook encountered. Each vessel filled out a standard vessel trip summary log (VTSL) regardless of whether fish were encountered. The date, fishing location, creel sub-area, and time gear was deployed and removed from the water were recorded for each fishing location. This process was repeated each time the gear was pulled, and the boat moved to a new location.

When a fish was caught, the species was identified at the side of the boat. Only Chinook were brought into the boat for sampling and promptly placed into a cooler filled with sea water. Between each fish, the water in the cooler was changed, ensuring it remained fresh, cool, and oxygenated. Sampling protocols followed DFO's standard procedures for sampling salmon during dockside interviews. All other species were released at the side of the boat and recorded on the log page. No species were retained for any reason during the reference fishery. Best practices were adhered to throughout the handling and release of fish with every reasonable effort made to minimize the duration of fish handling (see <https://www.pac.dfo-mpo.gc.ca/fm-gp/rec/salmon-saumon-eng.html> for information on best practices for catching and releasing Pacific salmon).

For each Chinook captured, the following information was recorded:

- catch location (creel sub-area)
- time to landing in minutes from the time of the strike
- nose to fork length (FL) to the nearest millimeter
- adipose fin clip status (clipped, unclipped, or “unknown” recorded for fish with a partial fin)
- sample number for genetic stock identification.

Catch locations were recorded at the creel sub-area level, which is slightly different from PFMA sub-areas. Creel sub-areas, while existing within the same PFMA area, differ from PFMA sub-areas in their purpose and boundaries. PFMA sub-areas are legally defined boundaries used for enacting regulations, established based on distinct landmarks for easy identification. Creel sub-areas serve as spatial units for monitoring recreational catch and effort. Creel sub-areas were strategically designed to encompass all recreational fishing activity at popular locations within the same sub-area, with division lines placed in less frequented locations. Please see figures A2 – A5 for the differences between Creel sub-areas and PFMA sub-areas within each of the MSFs that had a reference fishery in 2023.

Fork length was used to determine legal and sub-legal size classes. A sub-legal fish is defined as any individual that falls below the established minimum size limit for retention. For Chinook salmon, this limit is 62 cm across most areas covered by the reference fishery, with exceptions in portions of the Victoria and Haro Strait MSF and the Becher Bay MSF (specifically 19-1 through 19-4 and 20-5) where the minimum size is 45 cm. A legal-size fish is defined as any individual that is equal to or greater in length than the minimum size limit.

Adipose fin clip status was used to assess mark rate which was calculated as the number of marked fish divided by the number of sampled fish (marked plus unmarked, excluding “unknown” which was rare) and variability was calculated using the standard error of a proportion ($\sqrt{(p * (1-p))/n}$).

Genetic Stock Identification

A tissue sample was taken from each Chinook at the thinnest part of the fork of the caudal fin using a hole punch for genetic stock identification (GSI) and parentage-based tagging (PBT; Beacham et al 2021). Samples were analyzed by the DFO Molecular Genetics Laboratory in Nanaimo B.C.

Stock identification results are presented at the stock region level, where confidence is highest and stocks of concern can be identified (Beacham et al., 2018). The stock region is the scale at which DNA results most closely align with the stock management units (SMUs) in Canada, which represent stock aggregates that are used to inform Canadian integrated fisheries management plans (IFMPs). See Table 2 for how each stock region identified in the DNA samples aligns with the SMUs.

RESULTS

Overview

The 2023 reference fishery conducted a total of 153 boat (fishing) days across all MSFs from May to July 2023. Specifically, Victoria and Haro Strait (portions of PFMA 19) accounted for 20 boat days in May. Sechelt Inlet (portions of PFMA 16) had a total of 12 boat days, evenly split between June and July. The Gulf Islands and Saanich Inlet (portions of PFMA 17, 18, and 19) had 109 boat days, with 13 in May, 60 in June, and 36 in July. Becher Bay (portion of PFMA 20) had 12 boat days in July. A total of 1,084 Chinook were sampled, comprised of 318 legal and 766 sub-legal size samples. Of these, DNA was successfully extracted from 992 samples for genetic stock identification. The remaining samples either did not amplify at the molecular genetics lab or the tissue sample detached from the tissue sample sheet and was lost.

For all Chinook sampled during the 2023 reference fishery, a mark rate of 53.5% (SE = 2.8%) for legal Chinook and 52.1% (SE = 1.8%) for sub-legal Chinook was observed. For a summary of mark rates by month, size class, and MSF see Figure 1. For stock composition across the entire reference fishery, the Puget Sound Chinook stock region represented the majority of samples, with 67.1% (SE = 2.7%) of legal-sized and 56.9% (SE = 1.9%) of sub-legal fish (Figure 2). East Vancouver Island Fall Chinook accounted for the second-highest portion of samples, with 10.4% (SE = 1.8%) of legal and 33.7% (SE = 1.8%) of sub-legal samples. Finally, Fraser Fall Chinook represented the third-largest portion of samples, with 11.7% (SE = 1.9%) of legal samples and 3.3% (SE = 0.7%) of sub-legal samples. See Appendix B for detailed information on individual samples including the catch date, location, fork length, adipose clipped status, and genetic stock identification results.

Victoria and Haro Strait (portions of PFMA 19)

The Victoria and Haro Strait reference fishery sampled 157 legal and 29 sub-legal Chinook in May. The associated mark rates were 72.6% (SE = 3.6%) of legal and 62.1% (SE = 9.0%) of sub-legal samples (Figure 3). The stock composition was dominated by Puget Sound Chinook with 91.2% (SE = 2.3%) of legal samples and 78.8% (SE = 7.1%) of sub-legal samples (Figure 4).

Gulf Islands & Saanich Inlet (portions of PFMA 17, 18, and 19)

The Gulf Islands and Saanich Inlet reference fishery sampled 14 legal and 11 sub-legal Chinook in May, 41 legal and 431 sub-legal Chinook in June, and 19 legal and 208 sub-legal Chinook in July. The associated mark rates were 92.9% (SE = 6.9%) of legal and 81.8% (SE = 11.6%) of sub-legal

samples in May, 39.0% (SE = 7.6%) of legal and 48.3% (SE = 2.4%) of sub-legal samples in June, and 42.1% (SE = 11.3%) of legal and 54.3% (SE = 3.5%) of sub-legal samples in July (Figure 5).

Similar to the Victoria/Haro MSF, stock composition was dominated by Puget Sound Chinook with 68.2% (SE = 5.7%) of legal samples and 54.9% (SE = 2.1%) of sub-legal samples. East Vancouver Island Fall Chinook represented a high proportion of sub-legal samples with 37.9% (SE = 2.0%), but only 9.1% (SE = 3.5%) of legal samples (Figure 6).

Sechelt Inlet (portions of PFMA 16)

The Sechelt Inlet reference fishery sampled 34 legal and 18 sub-legal Chinook in June, and 22 legal plus 8 sub-legal Chinook in July. The associated mark rates were 14.7% (SE = 6.1%) of legal and 33.3% (SE = 11.1%) of sub-legal samples in June and 9.1% (SE = 6.1%) of legal and 50% (SE = 17.7%) of sub-legal samples in July (Figure 7).

Stock composition favoured East Coast Vancouver Island Fall populations with 41.8% (SE = 6.7%) of legal and 23.1% (SE = 8.3%) of sub-legal samples and Fraser Fall with 30.1% (SE = 6.2%) of legal and 23.1% (SE = 8.3%) of sub-legal samples identified (Figure 8).

Becher Bay (Portions of PFMA 20)

The Becher Bay reference fishery sampled 31 legal and 61 sub-legal Chinook in July. The associated marked rates were 38.7% (SE = 8.7%) of legal and 65.5% (SE = 6.1%) of sub-legal samples (Figure 9). The stock composition was dominated by Puget Sound fish with 33.3% (SE = 9.0%) of legal and 74.1% (SE = 5.8%) sub-legal samples identified (Figure 10).

Fraser River stocks of concern

Of the 992 Chinook where stock was identified in the 2023 reference fishery, a total of 13 samples were identified as Fraser River stocks of concern (i.e., Chinook from Spring 4₂, Spring 5₂, and Summer 5₂ Stock Management Units). Of those, four were legal size but unmarked, three were sub-legal and hatchery marked, and six were sub-legal. None of the 13 Chinook identified as Fraser stocks of concern would have been legal to retain in the pure MSFs as they were either under the legal size limit or not hatchery marked; however, they would still be subject to incidental release mortality.

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TABLES

Table 1. Summary of 2023 Pilot MSF openings and associated reference fisheries. Minimum size for legal-size Chinook is 62 cm except 45 cm in 19-1-19-4 and 20-5. PFMA = Pacific Fishery Management Area; Annual limit is 10 Chinook (CK).

PFMA	PFMA Sub Areas	MSF Dates	Reference Fishery	Limits/Sizes
12 (Broughton)	12-26, 12-27, 12-28, 12-35, 12-38, 12-39, 12-40, 12-41	April 1 – July 14	None	Unmarked CK retention w/ maximum 80 cm size limit. Marked CK retention, minimum 62 cm fork length (no maximum). Limits: 1/day, 2 possession.
13 and 15 (Bute and Toba Inlets)	13-19, 13-21 15-5, 15-6	April 1 – July 14	None	Unmarked CK retention w/ maximum 80 cm size limit. Marked CK retention, minimum 62 cm fork length (no maximum). Limits: 1/day, 2 possession.
16 (Sechelt Inlet)	16-6, 16-7, 16-8, 16-9, 16-10, 16-11 16-12, 16-13	April 1 – July 14	June 14 – July 13	Hatchery CK retention only, minimum 62 cm fork length (no maximum). Limits: 1/day, 2 possession.
17	17-6, 17-9	May 3 – July 14	May 4 – July 13	Hatchery CK retention only, minimum 62 cm fork length (no maximum). Limits: 1/day, 2 possession.
18 and 19 (Gulf Is. /Saanich Inlet)	18-6*, 18-7, 18-10, 19-7, 19-8	May 3 – July 31 (*18-6 open area decreases June 1)	May 4 – July 27	
19 (Victoria/Haro Strait)	19-1, 19-3, 19-4, 19-5, 19-6	May 3 – May 31	May 4 – 31	Hatchery CK retention only, minimum 45 cm fork length (except 62 cm in 19-5 and 19-6; no maximum). Limits: 1/day, 2 possession.
20 (Becher Bay)	Portion of 20-5	April 1 – July 31	July 4 – 27	Hatchery CK retention only, minimum 45 cm fork length (no maximum). Limits: 1/day, 2 possession.

Table 2: Index of alignment between Canadian GSI Stock Rollup Regions identified in the 2023 reference fishery with the Designatable Units (DU), Conservation Unites (CU), and Stock Management Units (MU), FA = fall, SP = spring, SU = summer.

DU #	Population/DU (COSEWIC)	CU (Conservation Unit) ID and Name	CU Index	SMU (Stock Management Unit)	GSI – Stock Rollup
1	Southern Mainland Boundary Bay, Ocean, Fall	Boundary Bay_FA_0.3	CK-02	Southern BC Chinook	N/A
2	Lower Fraser, Ocean, Fall	Lower Fraser River_FA_0.3	CK-03	Southern BC Chinook, Fraser Fall 4(1)	Fraser Fall
3	Lower Fraser, Stream, Spring	Lower Fraser River_SP_1.3	CK-04	Southern BC Chinook, Fraser Spring 5(2)	Fraser Spring 5.2
4	Lower Fraser, Stream, Summer (Upper Pitt)	Lower Fraser River-Upper Pitt_SU_1.3	CK-05	Southern BC Chinook, Fraser Spring 5(2)	Fraser Spring 5.2
5	Lower Fraser, Stream, Summer	Lower Fraser River_SU_1.3	CK-06	Southern BC Chinook, Fraser Summer 5(2)	Fraser Summer 5.2
6	Lower Fraser, Ocean, Summer	Maria Slough_SU_0.3	CK-07	Southern BC Chinook, Fraser Summer 4(1)	Fraser Summer 4.1
7	Middle Fraser, Stream, Spring	Middle Fraser-Fraser Canyon-Nahatlatch_SP_1.3	CK-08	Southern BC Chinook, Fraser Spring 5(2)	Fraser Spring 5.2
8	Middle Fraser, Stream, Fall	Middle Fraser River - Portage_FA_1.3	CK-09	Southern BC Chinook, Fraser Summer 5(2)	Fraser Summer 5.2
9	Middle Fraser, Stream, Spring (MFR+GStr)	Middle Fraser River_SP_1.3	CK-10	Southern BC Chinook, Fraser Spring 5(2)	Fraser Spring 5.2
10	Middle Fraser, Stream, Summer	Middle Fraser River-SU_1.3	CK-11	Southern BC Chinook, Fraser Summer 5(2)	Fraser Summer 5.2
11	Upper Fraser, Stream, Spring	Upper Fraser River_SP_1.3	CK-12	Southern BC Chinook, Fraser Spring 5(2)	Fraser Spring 5.2
12	South Thompson, Ocean, Summer	South Thompson_SU_age_4(1)_0.3; Shuswap River_SU_0.3	CK-13 CK-15	Southern BC Chinook, Fraser Summer 4(1)	Fraser Summer 4.1
13	South Thompson, Stream, Summer 1.3	South Thompson_SU_age_5(2)_1.3	CK-14	Southern BC Chinook, Fraser Summer 5(2)	Fraser Summer 5.2
14	South Thompson, Stream, Summer 1.2	South Thompson-Bessette Creek_SU_1.2	CK-16	Southern BC Chinook, Fraser Spring 4(2)	Fraser Spring 4.2
15	Lower Thompson, Stream, Spring	Lower Thompson_SP_1.2	CK-17	Southern BC Chinook, Fraser Spring 4(2)	Fraser Spring 4.2
16	North Thompson, Stream, Spring	North Thompson_SP_1.3	CK-18	Southern BC Chinook, Fraser Spring 5(2)	Fraser Spring 5.2
17	North Thompson, Stream, Summer	North Thompson_SU_1.3	CK-19	Southern BC Chinook, Fraser Summer 5(2)	Fraser Summer 5.2
18	South Coast Georgia Strait, Ocean, Fall	Southern Mainland-Georgia Strait_FA_0.x	CK-20	Southern BC Chinook	S Mainland Inlets

DU #	Population/DU (COSEWIC)	CU (Conservation Unit) ID and Name	CU Index	SMU (Stock Management Unit)	GSI – Stock Rollup
19	East Vancouver Island, Stream, Spring	East Vancouver Island-Nanaimo_SP_1.x	CK-23	Southern BC Chinook	ECVI Summer
20	East Vancouver Island, Ocean, Summer	Vancouver Island-Georgia Strait_SU_0.3	CK-83	Southern BC Chinook	ECVI Summer
21	East Vancouver Island, Ocean, Fall	East Vancouver Island-Goldstream_FA_0.x; East Vancouver Island-Cowichan & Koksilah_FA_0.x; East Vancouver Island-Nanaimo & Chemainus_FA_0.x; East Vancouver Island-Qualicum & Puntledge_FA_0.x	CK-21 CK-22 CK-25 CK-27	Southern BC Chinook, Lower Georgia Strait (CK22, CK25), Upper Georgia Strait (CK27)	ECVI Fall
22	South Coast – Southern Fjords, Ocean, Fall	Southern Mainland-Southern Fjords_FA_0.x	CK-28	Southern BC Chinook, Upper Georgia Strait	S Mainland Inlets
23	East Vancouver Island, Ocean, Fall (EVI + SFj)	East Vancouver Island-North_FA_0.x	CK-29	Southern BC Chinook, Upper Georgia Strait	NEVI
24	West Vancouver Island, Ocean, Fall (South)	West Vancouver Island-South_FA_0.x	CK-31	Southern BC Chinook, West Coast Vancouver Island	SWVI
25	West Vancouver Island, Ocean, Fall (Nootka & Kyuquot)	West Vancouver Island-Nootka & Kyuquot_FA_0.x	CK-32	Southern BC Chinook, West Coast Vancouver Island	NWVI
26	West Vancouver Island, Ocean, Fall (WVI + WQCI)	West Vancouver Island-North_FA_0.x	CK-33	Southern BC Chinook, West Coast Vancouver Island	NWVI
27	Southern Mainland, Ocean, Summer	Homathko_SU_x.x	CK-34	Southern BC Chinook	S Mainland Inlets
28	Southern Mainland, Stream, Summer	Klinaklini_SU_1.3	CK-35	Southern BC Chinook	S Mainland Inlets

FIGURES

Summary Across All Pacific Fishery Management Areas with Reference Fisheries

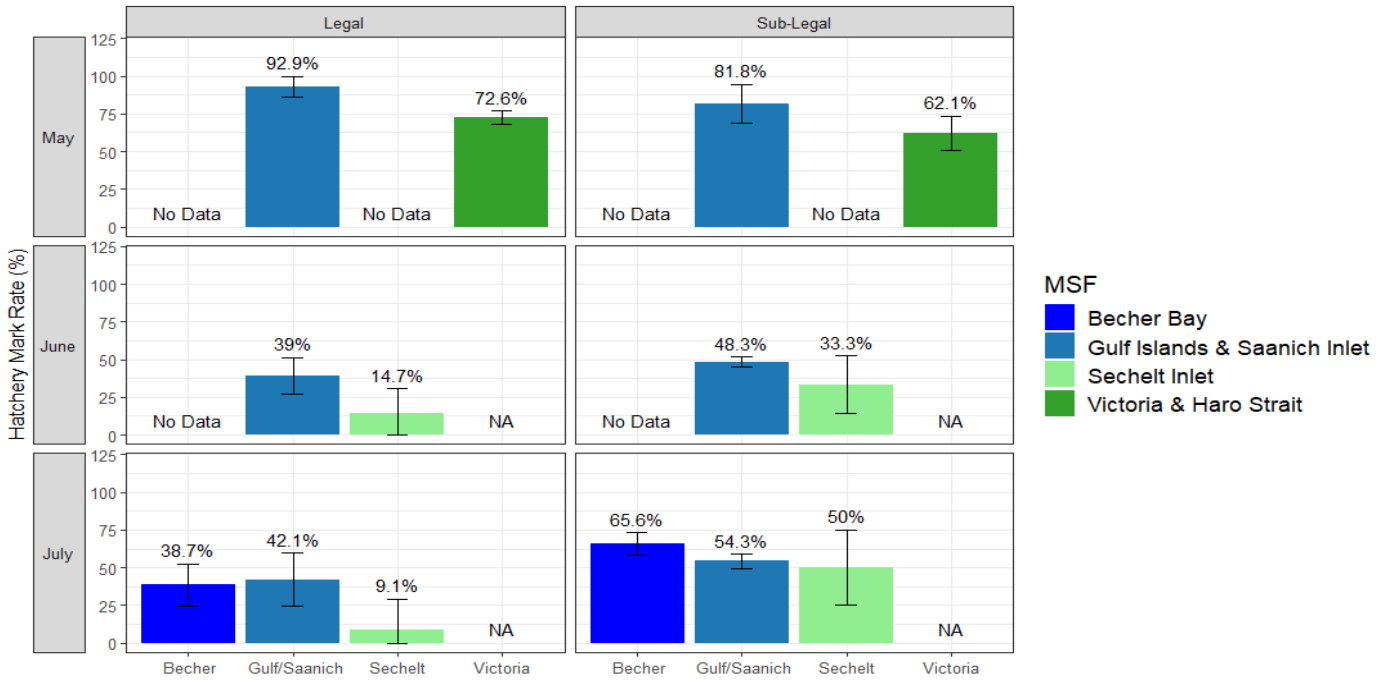


Figure 1: Mark rate of legal (left) and sub-legal (right) sized Chinook salmon sampled during all of the 2023 reference fisheries (N=1084).

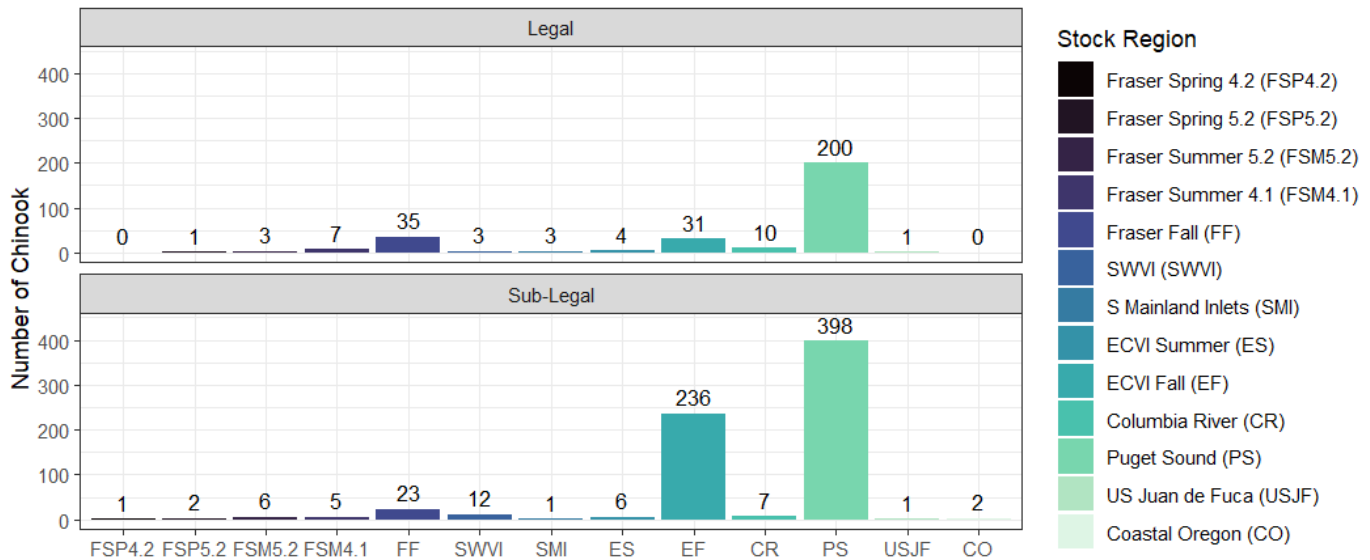


Figure 2: Stock composition of legal (upper) and sub-legal (lower) sized Chinook salmon genetically sampled in all reference fisheries combined in 2023 (n=992). See Methods for legal and sub-legal definitions.

Victoria and Haro Strait (portions of PFMA 19)

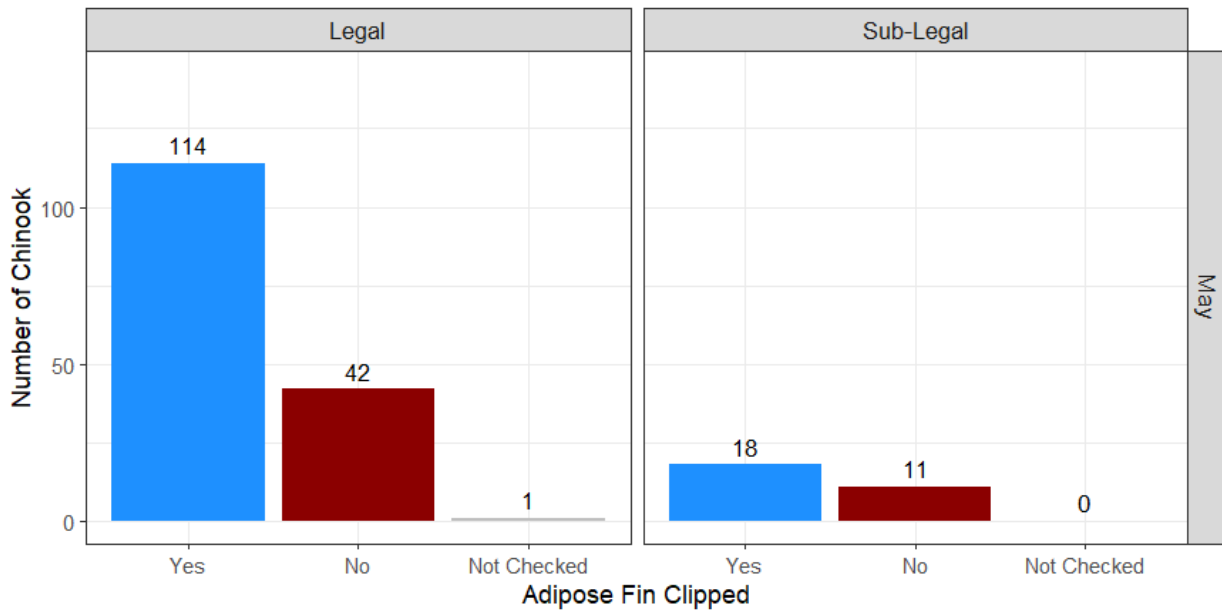


Figure 3: Mark rate of legal (left) and sub-legal (right) sized Chinook salmon sampled in the Victoria and Haro Strait (portions of PFMA 19) MSF in May 2023.

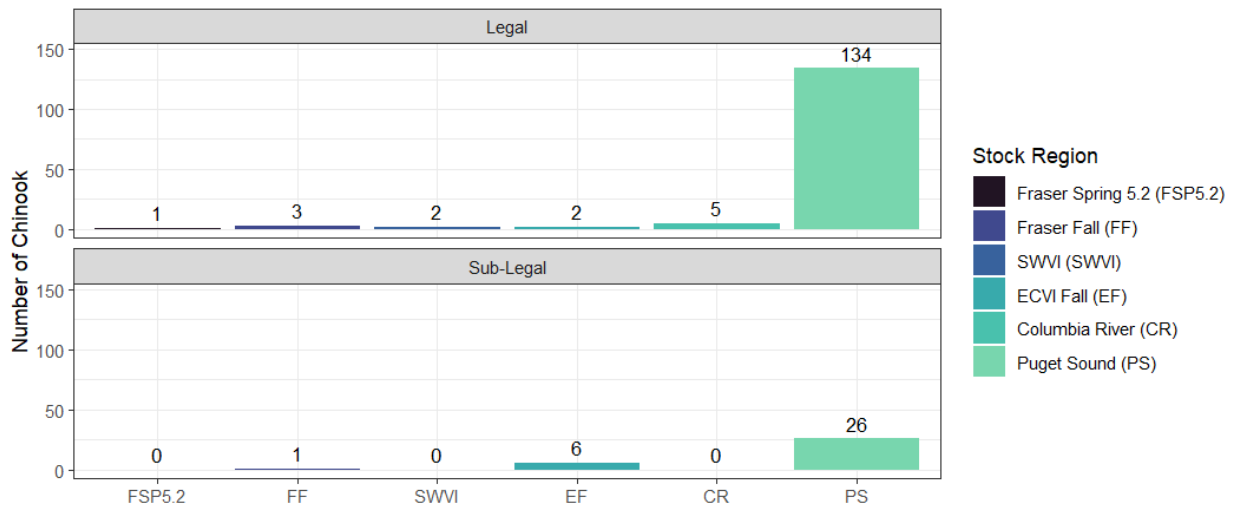


Figure 4: Stock composition of Chinook salmon sampled in the Victoria and Haro Strait (portions of PFMA 19) MSF in May 2023. See methods for legal and sub-legal definitions.

Gulf Islands & Saanich Inlet (portions of PFMA 17, 18, and 19)

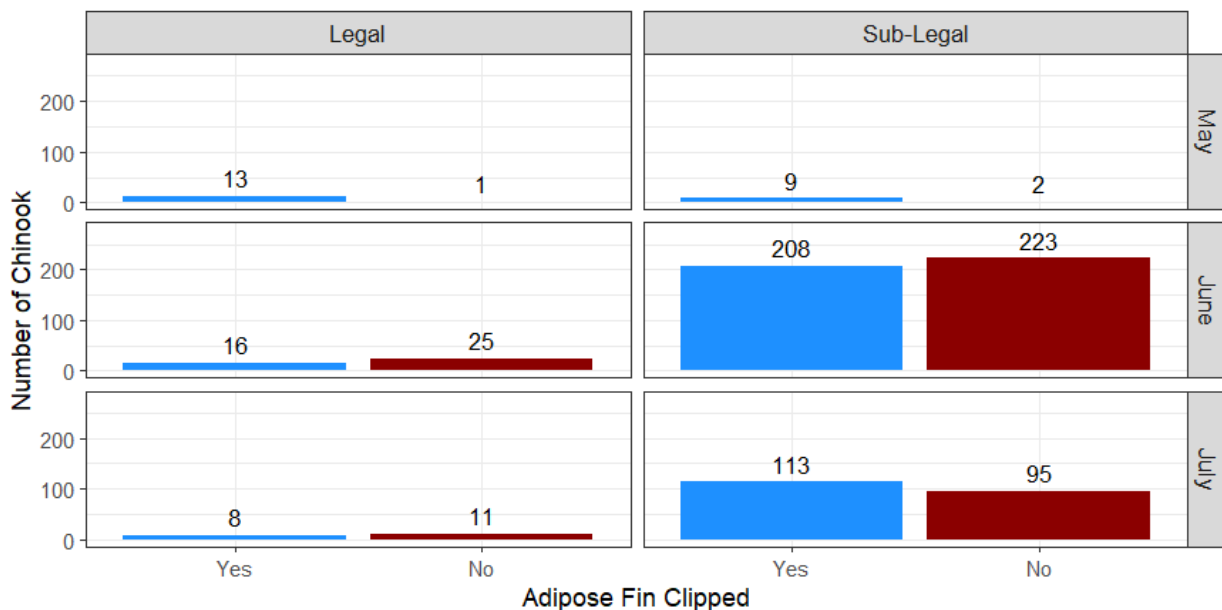


Figure 5: Mark rate of legal (left) and sub-legal (right) sized Chinook salmon sampled in the Gulf Islands and Saanich Inlet (portions of PFMA 17, 18, and 19) MSF in May, June, and July 2023.

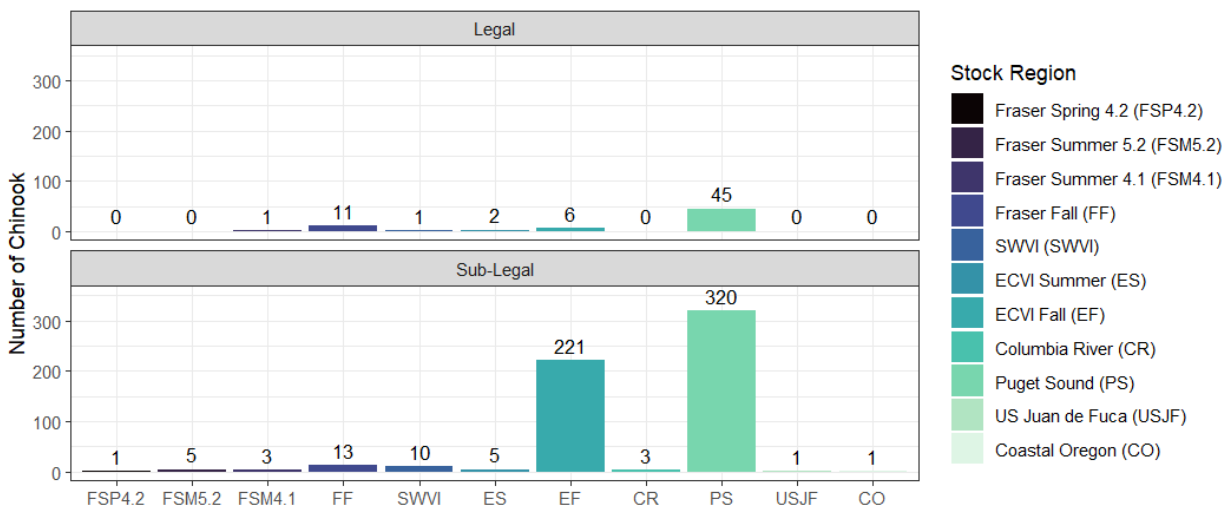


Figure 6: Stock composition of Chinook salmon sampled in the Gulf Islands and Saanich Inlet (portions of PFMA 17, 18, and 19) MSF in May 2023. See methods for legal and sub-legal definitions.

Sechelt Inlet (portions of PFMA 16)

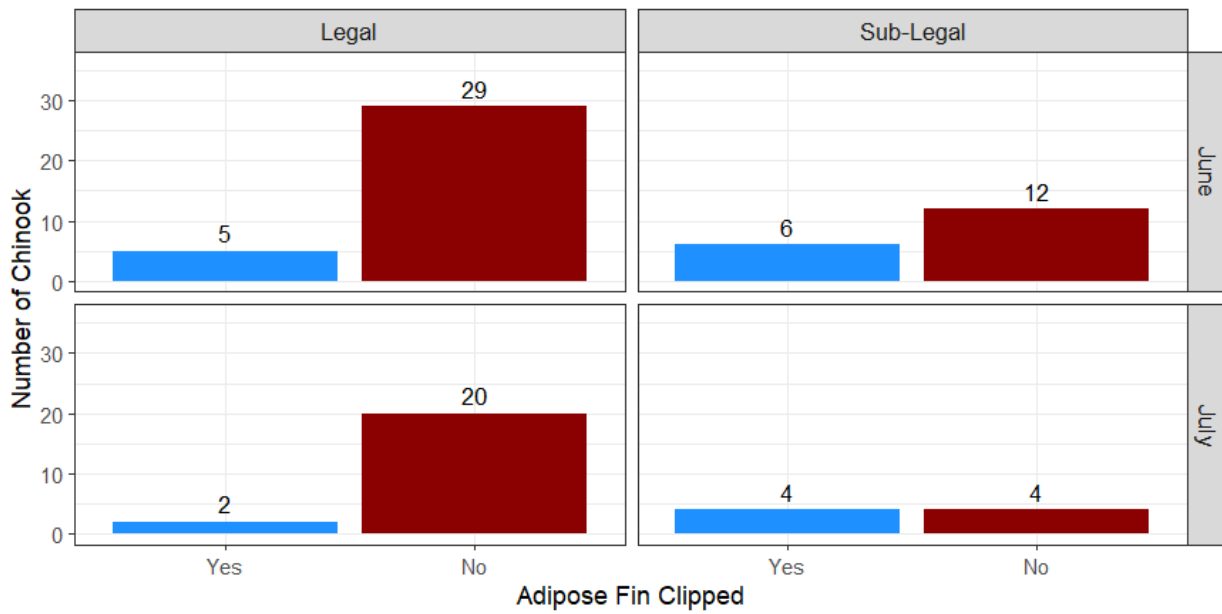


Figure 7: Mark rate of legal (left) and sub-legal (right) sized Chinook salmon sampled in Sechelt Inlet (portions of PFMA 16) MSF in June and July 2023.

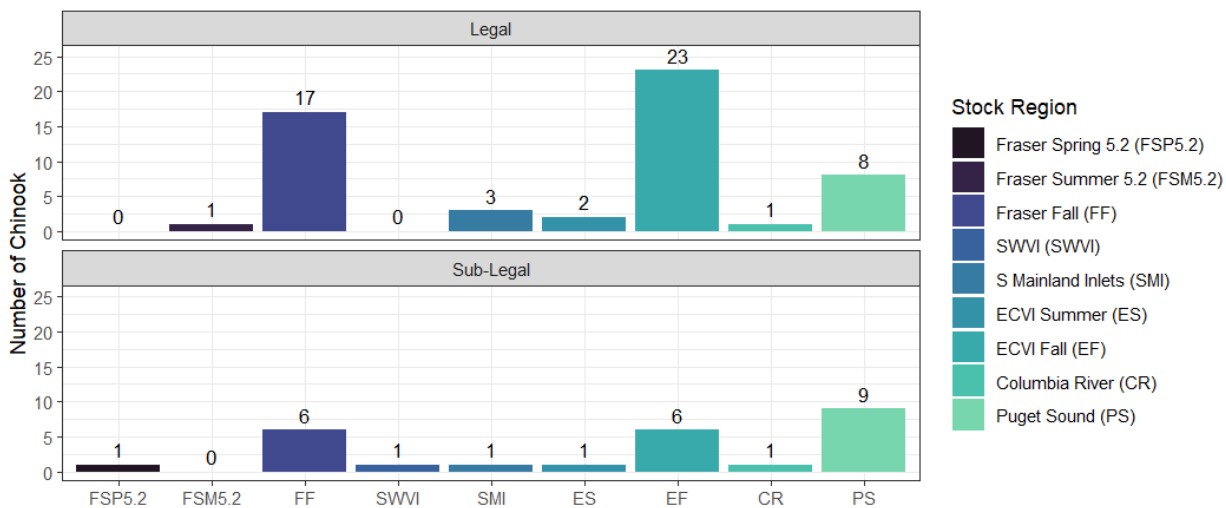


Figure 8: Stock composition of Chinook salmon sampled in the Sechelt Inlet (portions of PFMA 16) MSF in May 2023. See methods for legal and sub-legal definitions.

Becher Bay (Portions of PFMA 20)

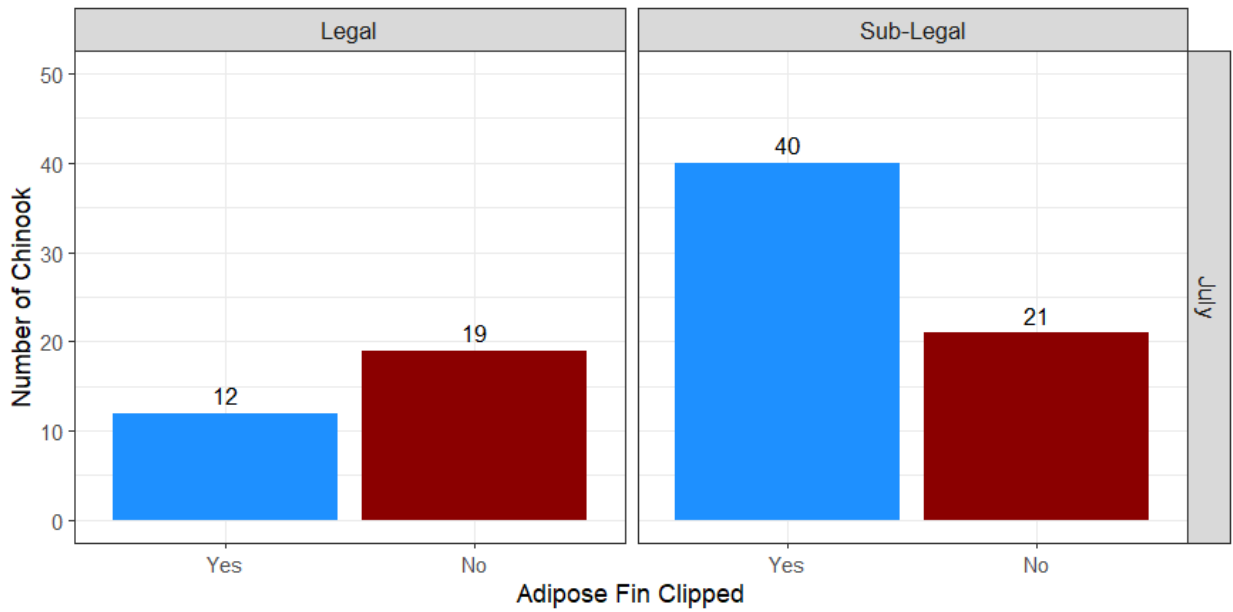


Figure 9: Mark rate of legal (left) and sub-legal (right) sized Chinook salmon sampled in the Becher Bay (Portion of PFMA 20) MSF in July 2023.

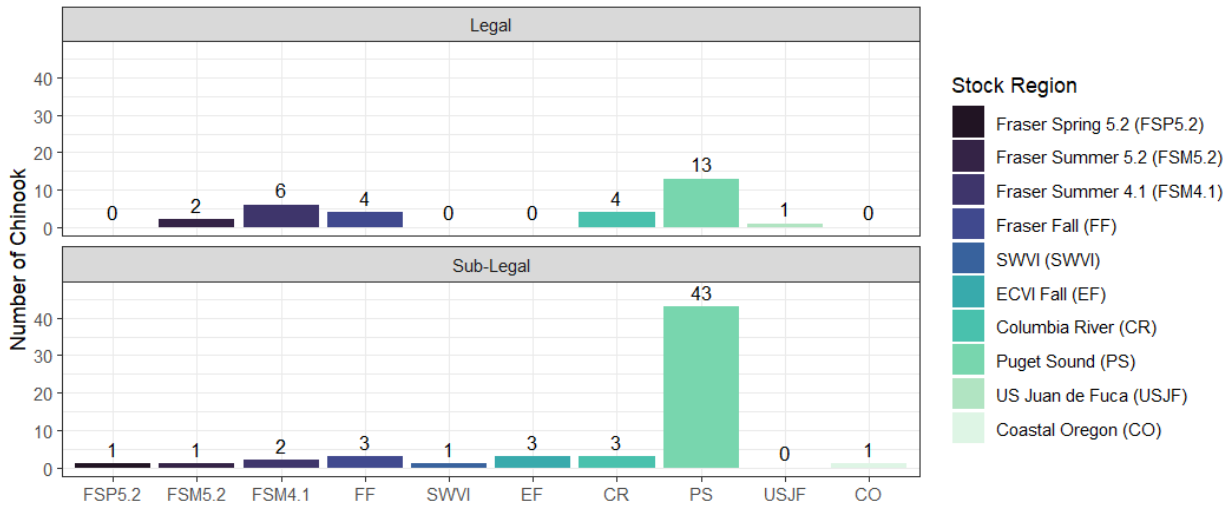


Figure 10: Stock composition of Chinook salmon sampled in the Becher Bay (Portions of PFMA 20) MSF in May 2023. See methods for legal and sub-legal definitions.

APPENDIX A

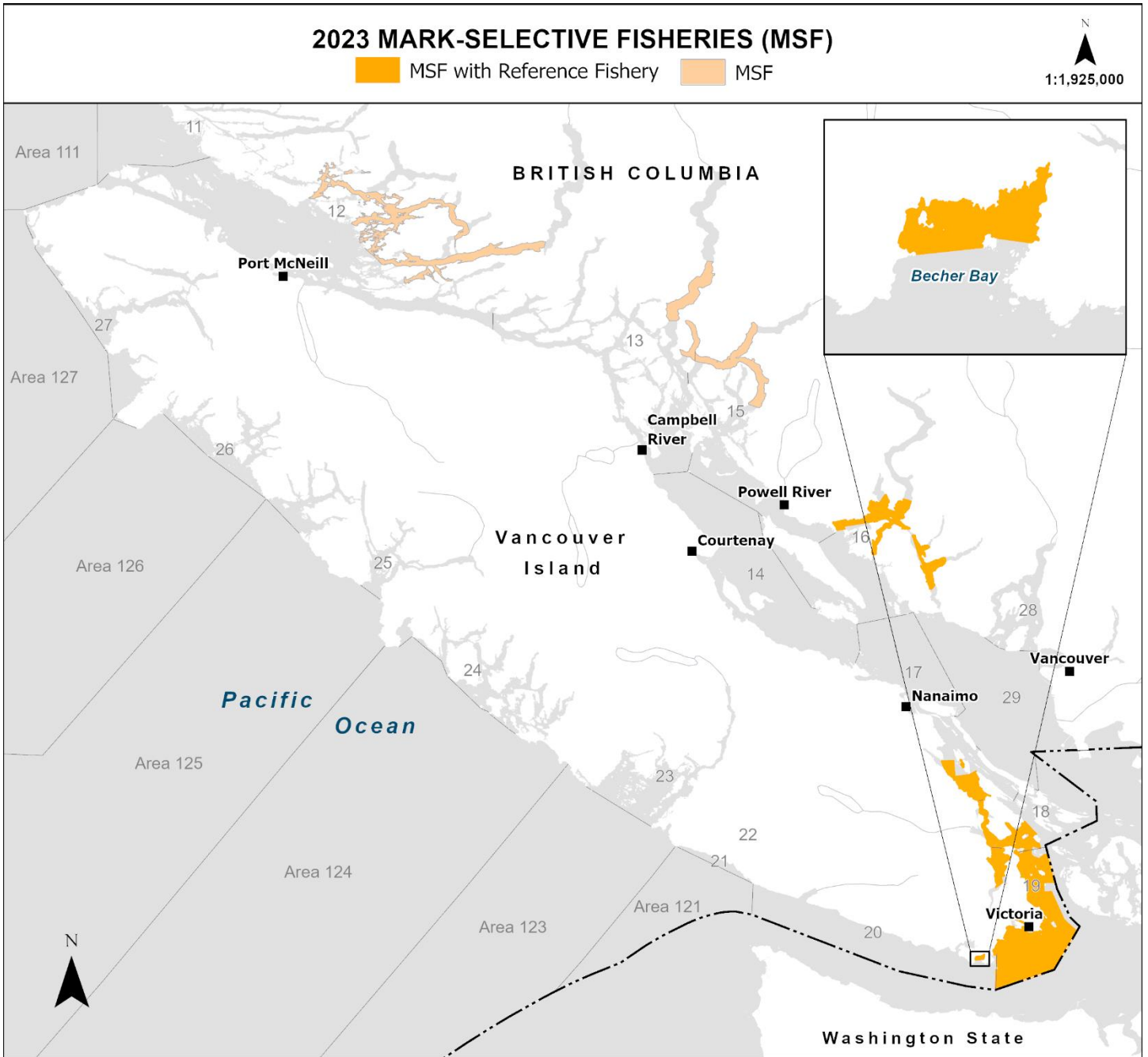


Figure A1: Map of approved MSF fisheries and reference fisheries in the South Coast Area in 2023.

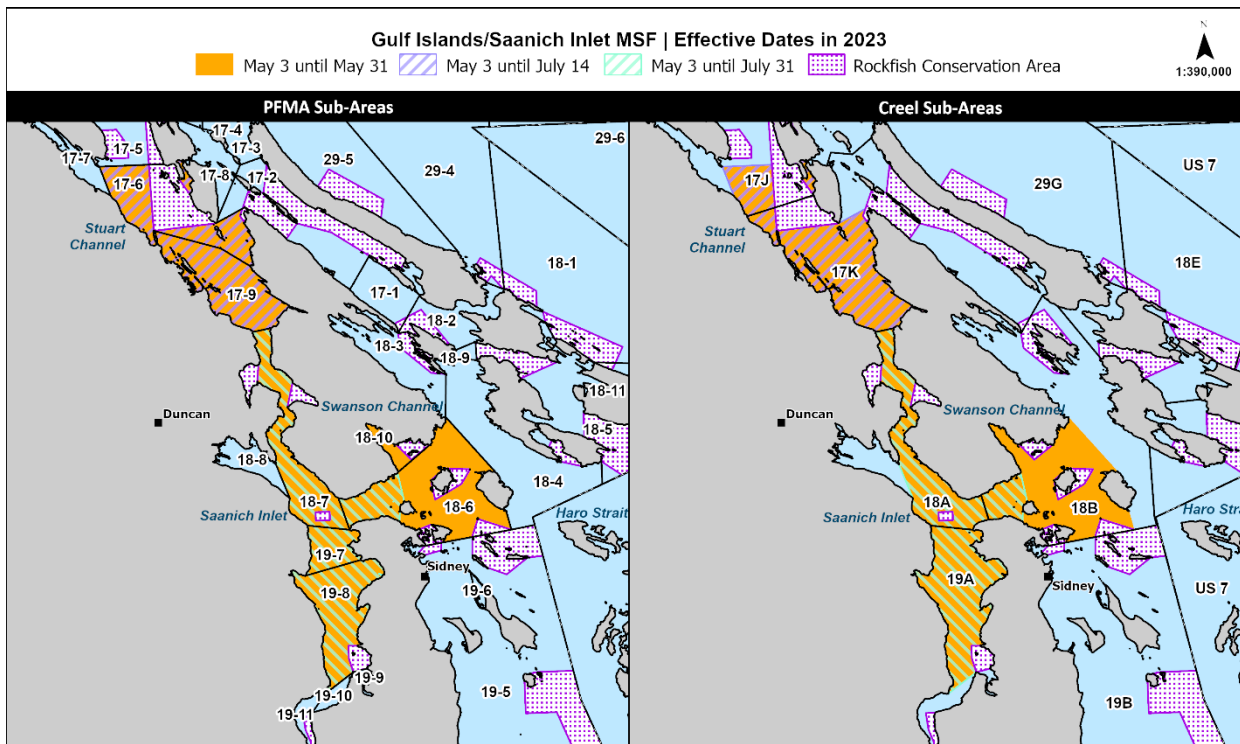


Figure A2: Map of MSF in the Gulf Islands/Saanich Inlet (Portions of PFMA 17, 18, and 19). PFMA sub-areas are shown on the left and creel sub-areas are shown on the right.

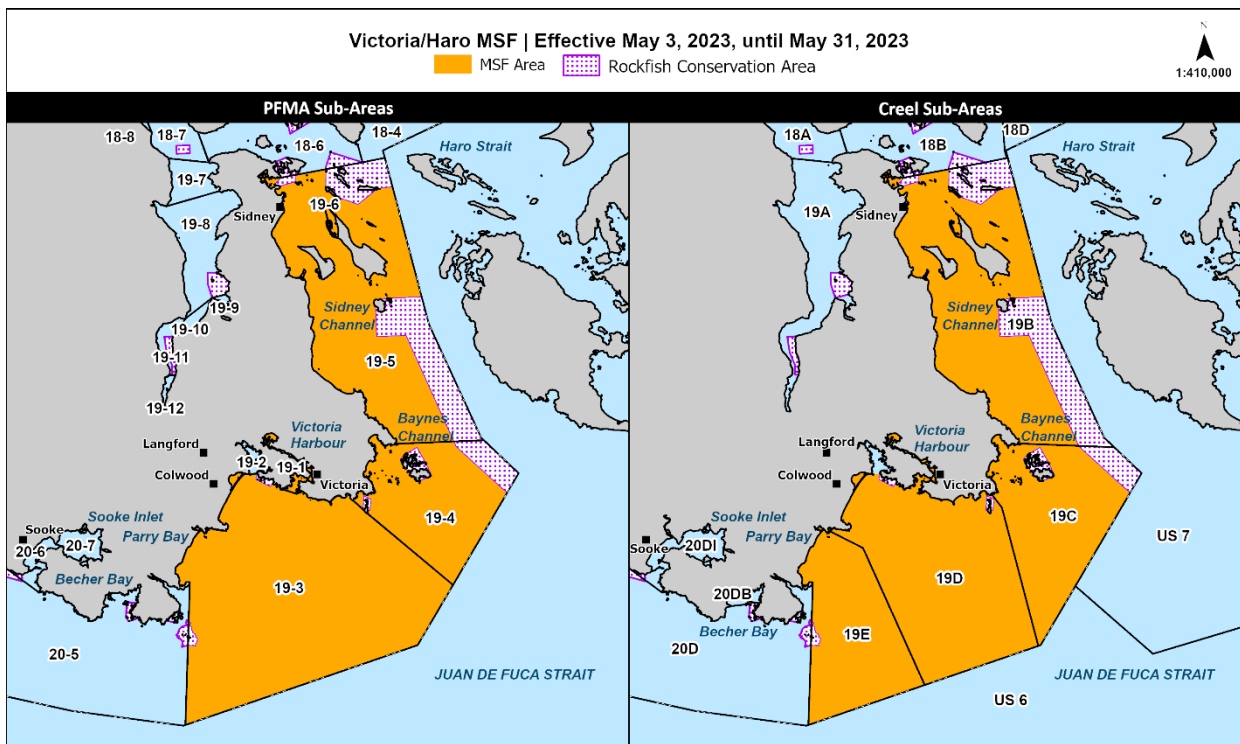


Figure A3: Map of MSF in Victoria/Haro Strait MSF (Portions of PFMA 19). PFMA sub-areas are shown on the left and creel sub-areas are shown on the right.

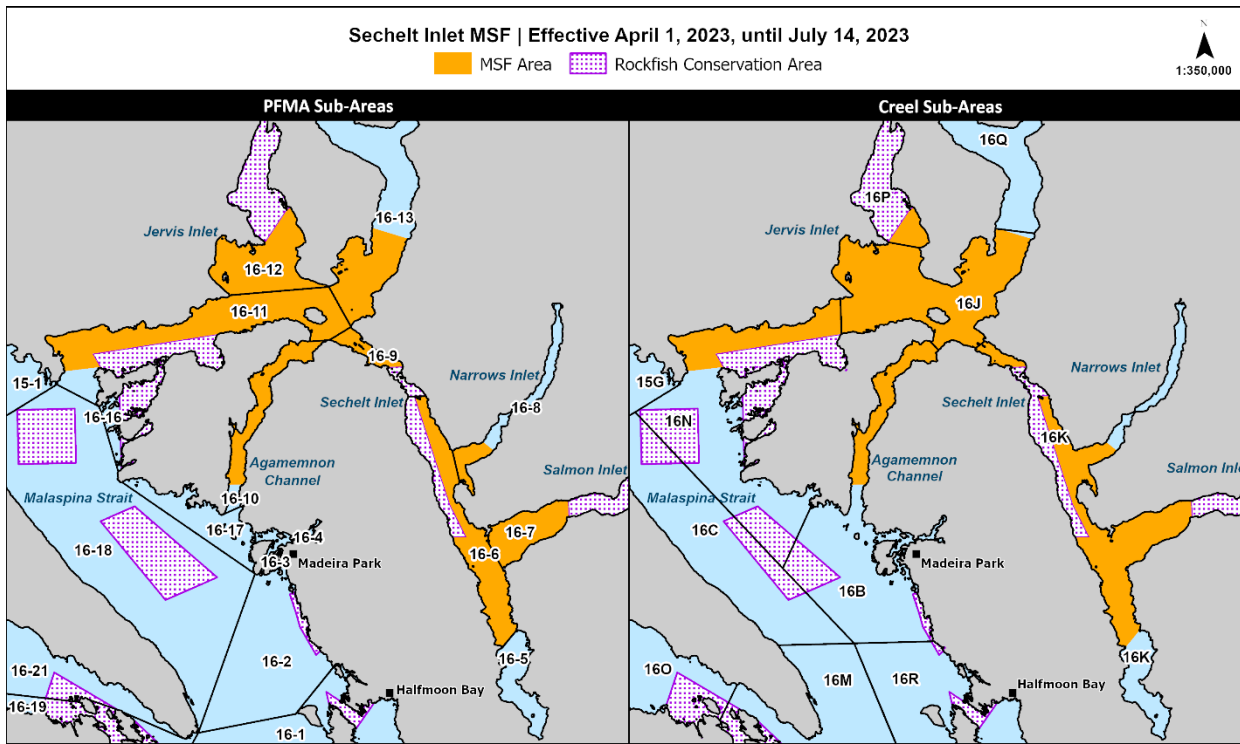


Figure A4: Map of MSF in Sechelt Inlet (Portions of PFMA 16). PFMA sub-areas are shown on the left and creel sub-areas are shown on the right.

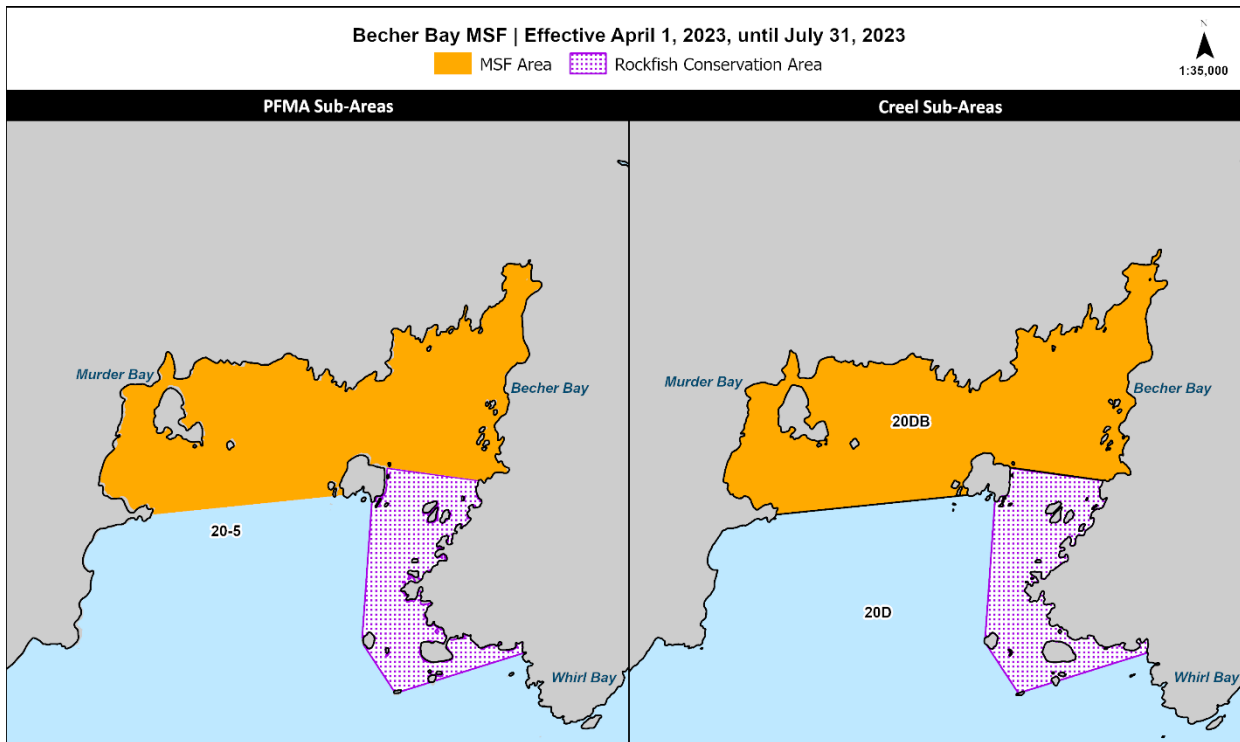


Figure A5: Map of MSF in Becher Bay MSF (Portions of PFMA 20). PFMA sub-areas are shown on the left and creel sub-areas are shown on the right.

APPENDIX B

Table B1: Disposition of each Chinook salmon sampled in the 2023 reference fishery (N=1084). Victoria and Haro Strait (portions of PFMA 19; creel sub-areas 19B, 19C, 19D, and 19E), the Gulf Islands / Saanich Inlet (portions of PFMA 17, 18, and 19; creel sub-areas 17J, 17K, 18A, 18B, and 19A), Becher Bay (portions of PFMA 20; creel sub-area 20DB), and Sechelt Inlet (portions of PFMA 16; creel sub-areas 16J, 16K, 16N, and 16P).

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-07-12	16B	Y	22.1	Sub-Legal	S Mainland Inlets	1.000
2023-07-12	16B	N	62.1	Legal	ECVI Fall	1.000
2023-07-12	16B	N	45.2	Sub-Legal	ECVI Summer	1.000
2023-06-20	16J	N	63.1	Legal	ECVI Fall	1.000
2023-06-20	16J	Y	78.4	Legal	Puget Sound	1.000
2023-06-20	16J	N	86.6	Legal	Fraser Fall	1.000
2023-06-20	16J	Y	60.5	Sub-Legal	Puget Sound	1.000
2023-06-20	16J	N	71.5	Legal	Puget Sound	0.989
2023-06-20	16J	N	61.5	Sub-Legal	ECVI Fall	1.000
2023-06-20	16J	N	52.0	Sub-Legal	Puget Sound	1.000
2023-06-20	16J	N	64.2	Legal	ECVI Fall	1.000
2023-06-20	16J	N	61.9	Sub-Legal	Fraser Fall	1.000
2023-06-20	16J	N	70.5	Legal	Fraser Fall	1.000
2023-06-20	16J	N	80.1	Legal	S Mainland Inlets	1.000
2023-06-20	16J	N	70.6	Legal	Fraser Fall	1.000
2023-06-21	16J	N	64.6	Legal	ECVI Fall	1.000
2023-06-21	16J	N	64.5	Legal	Columbia River	1.000
2023-06-21	16J	N	63.1	Legal	ECVI Fall	1.000
2023-06-21	16J	N	75.7	Legal	Fraser Fall	1.000
2023-06-21	16J	N	53.8	Sub-Legal	ECVI Fall	1.000
2023-06-21	16J	N	60.4	Sub-Legal	Fraser Fall	1.000
2023-06-22	16J	Y	72.3	Legal	Puget Sound	0.964
2023-06-22	16J	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-06-22	16J	N	52.5	Sub-Legal	Puget Sound	1.000
2023-06-22	16J	N	68.2	Legal	ECVI Fall	1.000
2023-06-27	16J	N	72.0	Legal	ECVI Fall	1.000
2023-06-27	16J	N	79.5	Legal	Fraser Fall	1.000
2023-06-27	16J	N	84.5	Legal	S Mainland Inlets	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-06-27	16J	N	64.6	Legal	ECVI Fall	1.000
2023-06-27	16J	N	59.2	Sub-Legal	Fraser Fall	1.000
2023-06-27	16J	Y	74.8	Legal	ECVI Fall	1.000
2023-06-27	16J	N	62.4	Legal	ECVI Fall	1.000
2023-06-28	16J	N	47.8	Sub-Legal	Fraser Fall	1.000
2023-06-28	16J	N	65.4	Legal	Fraser Fall	1.000
2023-06-29	16J	N	44.5	Sub-Legal	SWVI	1.000
2023-06-29	16J	N	60.2	Sub-Legal	Fraser Fall	1.000
2023-06-29	16J	Y	58.4	Sub-Legal	Puget Sound	1.000
2023-06-29	16J	N	63.8	Legal	ECVI Fall	1.000
2023-06-29	16J	N	71.3	Legal	ECVI Fall	1.000
2023-06-29	16J	Y	60.0	Sub-Legal	Puget Sound	1.000
2023-06-29	16J	N	66.5	Legal	Fraser Fall	1.000
2023-06-29	16J	Y	55.7	Sub-Legal	Fraser Fall	1.000
2023-06-29	16J	N	88.4	Legal	Fraser Fall	1.000
2023-07-04	16J	Y	72.1	Legal	Puget Sound	1.000
2023-07-04	16J	N	74.5	Legal	Fraser Fall	1.000
2023-07-04	16J	N	66.4	Legal	Fraser Fall	1.000
2023-07-04	16J	N	72.7	Legal	Puget Sound	1.000
2023-07-04	16J	N	68.5	Legal	ECVI Fall	1.000
2023-07-06	16J	N	86.4	Legal	Fraser Fall	1.000
2023-07-06	16J	N	64.1	Legal	ECVI Summer	1.000
2023-07-06	16J	N	78.8	Legal	ECVI Fall	1.000
2023-07-13	16J	Y	50.9	Sub-Legal	Columbia River	1.000
2023-06-27	16K	N	61.8	Sub-Legal	ECVI Fall	1.000
2023-07-12	16K	N	87.3	Legal	Fraser Summer 5.2	1.000
2023-07-12	16K	N	60.7	Sub-Legal	ECVI Fall	1.000
2023-07-12	16K	Y	44.1	Sub-Legal	ECVI Fall	1.000
2023-07-12	16K	N	43.3	Sub-Legal	ECVI Fall	1.000
2023-06-21	16P	N	74.0	Legal	ECVI Fall	1.000
2023-06-21	16P	N	63.6	Legal	ECVI Summer	1.000
2023-06-21	16P	Y	62.5	Legal	Puget Sound	1.000
2023-06-28	16P	N	67.5	Legal	ECVI Fall	1.000
2023-06-28	16P	N	69.2	Legal	ECVI Fall	1.000
2023-06-28	16P	N	68.5	Legal	ECVI Fall	1.000
2023-06-28	16P	N	92.5	Legal	ECVI Fall	1.000
2023-06-28	16P	Y	60.6	Sub-Legal	Puget Sound	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-06-28	16P	Y	76.7	Legal	Puget Sound	1.000
2023-06-29	16P	N	70.5	Legal	Fraser Fall	1.000
2023-06-29	16P	N	59.5	Sub-Legal	Puget Sound	1.000
2023-07-04	16P	N	74.4	Legal	ECVI Fall	1.000
2023-07-04	16P	Y	58.7	Sub-Legal	Puget Sound	1.000
2023-07-04	16P	N	76.5	Legal	ECVI Fall	1.000
2023-07-05	16P	N	72.1	Legal	ECVI Fall	1.000
2023-07-05	16P	Y	72.5	Legal	Puget Sound	1.000
2023-07-05	16P	N	70.7	Legal	ECVI Fall	1.000
2023-07-05	16P	N	69.4	Legal	NA	0.000
2023-07-05	16P	N	73.4	Legal	Fraser Fall	1.000
2023-07-11	16P	N	81.5	Legal	Fraser Fall	1.000
2023-07-11	16P	N	69.8	Legal	S Mainland Inlets	1.000
2023-07-11	16P	N	72.4	Legal	Fraser Fall	1.000
2023-07-11	16P	N	68.4	Legal	Fraser Fall	1.000
2023-07-13	16P	N	65.4	Legal	Fraser Fall	1.000
2023-07-13	16P	N	17.7	Sub-Legal	Fraser Spring 5.2	0.998
2023-06-06	17K	N	37.0	Sub-Legal	ECVI Fall	1.000
2023-06-06	17K	N	33.0	Sub-Legal	ECVI Fall	1.000
2023-06-08	17K	Y	30.5	Sub-Legal	Puget Sound	1.000
2023-06-08	17K	N	52.0	Sub-Legal	Puget Sound	1.000
2023-06-01	18A	Y	35.8	Sub-Legal	Puget Sound	1.000
2023-06-01	18A	N	49.0	Sub-Legal	Puget Sound	1.000
2023-06-01	18A	N	60.0	Sub-Legal	Puget Sound	1.000
2023-06-06	18A	N	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-06	18A	N	46.0	Sub-Legal	Puget Sound	1.000
2023-06-06	18A	N	50.0	Sub-Legal	Puget Sound	1.000
2023-06-06	18A	Y	42.0	Sub-Legal	Puget Sound	1.000
2023-06-06	18A	N	44.0	Sub-Legal	Puget Sound	1.000
2023-06-08	18A	Y	60.0	Sub-Legal	Puget Sound	1.000
2023-06-08	18A	N	34.8	Sub-Legal	No sample	0.000
2023-06-08	18A	N	32.0	Sub-Legal	ECVI Fall	1.000
2023-06-08	18A	Y	36.0	Sub-Legal	No sample	0.000
2023-06-08	18A	N	36.0	Sub-Legal	Puget Sound	1.000
2023-06-08	18A	Y	32.8	Sub-Legal	No sample	0.000
2023-06-08	18A	N	36.0	Sub-Legal	ECVI Fall	1.000
2023-06-08	18A	N	31.5	Sub-Legal	No sample	0.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-06-08	18A	Y	50.5	Sub-Legal	Puget Sound	1.000
2023-06-08	18A	Y	73.8	Legal	No sample	0.000
2023-06-08	18A	N	35.5	Sub-Legal	No sample	0.000
2023-06-08	18A	Y	33.0	Sub-Legal	ECVI Fall	1.000
2023-06-08	18A	Y	59.5	Sub-Legal	Puget Sound	1.000
2023-06-08	18A	N	52.2	Sub-Legal	Fraser Fall	1.000
2023-06-08	18A	Y	41.0	Sub-Legal	Puget Sound	1.000
2023-06-08	18A	N	73.5	Legal	Puget Sound	1.000
2023-06-08	18A	N	32.0	Sub-Legal	ECVI Fall	1.000
2023-06-08	18A	Y	74.2	Legal	Puget Sound	1.000
2023-06-08	18A	Y	64.0	Legal	Puget Sound	1.000
2023-06-13	18A	Y	42.5	Sub-Legal	Puget Sound	1.000
2023-06-13	18A	N	42.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	18A	Y	42.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	18A	Y	47.0	Sub-Legal	Puget Sound	1.000
2023-06-13	18A	N	56.0	Sub-Legal	Puget Sound	1.000
2023-06-13	18A	N	53.0	Sub-Legal	Puget Sound	0.999
2023-06-13	18A	Y	59.0	Sub-Legal	Puget Sound	1.000
2023-06-13	18A	Y	39.0	Sub-Legal	Puget Sound	1.000
2023-06-13	18A	Y	45.0	Sub-Legal	Puget Sound	1.000
2023-06-13	18A	N	37.0	Sub-Legal	Puget Sound	1.000
2023-06-13	18A	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-06-14	18A	Y	40.0	Sub-Legal	ECVI Fall	1.000
2023-06-14	18A	Y	49.0	Sub-Legal	Puget Sound	1.000
2023-06-15	18A	Y	41.0	Sub-Legal	Puget Sound	1.000
2023-06-15	18A	Y	50.0	Sub-Legal	Puget Sound	1.000
2023-06-15	18A	N	41.0	Sub-Legal	ECVI Fall	1.000
2023-06-15	18A	N	50.0	Sub-Legal	Puget Sound	1.000
2023-06-15	18A	Y	44.0	Sub-Legal	Puget Sound	1.000
2023-06-20	18A	Y	36.5	Sub-Legal	Puget Sound	1.000
2023-06-20	18A	Y	33.0	Sub-Legal	Puget Sound	1.000
2023-06-21	18A	Y	34.8	Sub-Legal	Puget Sound	1.000
2023-06-21	18A	N	53.4	Sub-Legal	Puget Sound	1.000
2023-06-21	18A	Y	52.8	Sub-Legal	Puget Sound	1.000
2023-06-22	18A	Y	46.0	Sub-Legal	Puget Sound	1.000
2023-06-22	18A	N	59.0	Sub-Legal	Fraser Fall	1.000
2023-06-22	18A	N	42.4	Sub-Legal	ECVI Fall	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-06-22	18A	Y	47.0	Sub-Legal	Puget Sound	1.000
2023-06-22	18A	Y	59.0	Sub-Legal	Puget Sound	1.000
2023-06-22	18A	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-06-22	18A	N	38.0	Sub-Legal	ECVI Fall	1.000
2023-06-22	18A	Y	51.0	Sub-Legal	Puget Sound	1.000
2023-06-22	18A	N	49.8	Sub-Legal	Puget Sound	1.000
2023-06-22	18A	Y	39.0	Sub-Legal	Puget Sound	1.000
2023-06-22	18A	N	40.0	Sub-Legal	Puget Sound	1.000
2023-06-22	18A	N	53.0	Sub-Legal	NA	0.000
2023-06-22	18A	Y	33.0	Sub-Legal	NA	0.000
2023-06-22	18A	N	35.8	Sub-Legal	NA	0.000
2023-06-27	18A	N	37.0	Sub-Legal	Fraser Fall	1.000
2023-06-28	18A	N	39.0	Sub-Legal	Puget Sound	1.000
2023-06-28	18A	Y	38.0	Sub-Legal	Puget Sound	1.000
2023-06-28	18A	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-06-28	18A	N	42.0	Sub-Legal	Fraser Fall	1.000
2023-06-28	18A	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-06-28	18A	N	32.0	Sub-Legal	Puget Sound	1.000
2023-06-29	18A	Y	44.0	Sub-Legal	Puget Sound	1.000
2023-06-29	18A	N	38.0	Sub-Legal	Puget Sound	1.000
2023-06-29	18A	N	42.0	Sub-Legal	ECVI Fall	1.000
2023-06-29	18A	N	34.0	Sub-Legal	SWVI	1.000
2023-07-04	18A	Y	43.0	Sub-Legal	Puget Sound	1.000
2023-07-04	18A	N	43.0	Sub-Legal	ECVI Fall	1.000
2023-07-04	18A	N	42.0	Sub-Legal	Puget Sound	1.000
2023-07-04	18A	Y	51.0	Sub-Legal	Puget Sound	1.000
2023-07-04	18A	N	43.0	Sub-Legal	Puget Sound	1.000
2023-07-05	18A	Y	43.0	Sub-Legal	Puget Sound	1.000
2023-07-05	18A	Y	51.0	Sub-Legal	Puget Sound	1.000
2023-07-05	18A	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-05	18A	N	25.0	Sub-Legal	NA	0.000
2023-07-06	18A	N	37.0	Sub-Legal	ECVI Fall	1.000
2023-07-06	18A	N	89.0	Legal	Puget Sound	1.000
2023-07-11	18A	N	65.0	Legal	ECVI Fall	1.000
2023-07-11	18A	N	56.0	Sub-Legal	ECVI Fall	1.000
2023-07-11	18A	Y	34.0	Sub-Legal	Puget Sound	1.000
2023-07-11	18A	Y	41.0	Sub-Legal	Puget Sound	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-07-11	18A	N	50.0	Sub-Legal	Puget Sound	1.000
2023-07-11	18A	N	40.0	Sub-Legal	Puget Sound	1.000
2023-07-12	18A	Y	49.0	Sub-Legal	Puget Sound	1.000
2023-07-12	18A	N	45.0	Sub-Legal	Fraser Fall	1.000
2023-07-12	18A	Y	44.0	Sub-Legal	Puget Sound	1.000
2023-07-12	18A	N	38.0	Sub-Legal	ECVI Fall	1.000
2023-07-12	18A	Y	43.0	Sub-Legal	Puget Sound	1.000
2023-07-12	18A	Y	35.0	Sub-Legal	ECVI Fall	0.999
2023-07-12	18A	Y	55.0	Sub-Legal	Puget Sound	1.000
2023-07-12	18A	N	36.0	Sub-Legal	No sample	0.000
2023-07-12	18A	N	39.0	Sub-Legal	ECVI Fall	1.000
2023-07-12	18A	Y	43.0	Sub-Legal	Puget Sound	1.000
2023-07-12	18A	N	47.0	Sub-Legal	ECVI Fall	1.000
2023-07-12	18A	N	45.0	Sub-Legal	Fraser Fall	1.000
2023-07-12	18A	Y	42.0	Sub-Legal	Puget Sound	1.000
2023-07-13	18A	Y	86.0	Legal	Puget Sound	1.000
2023-07-13	18A	N	70.0	Legal	Puget Sound	1.000
2023-07-13	18A	N	58.0	Sub-Legal	ECVI Fall	1.000
2023-07-13	18A	Y	39.0	Sub-Legal	Puget Sound	1.000
2023-07-13	18A	N	56.0	Sub-Legal	Puget Sound	1.000
2023-07-13	18A	N	37.0	Sub-Legal	Puget Sound	1.000
2023-07-13	18A	N	56.0	Sub-Legal	ECVI Fall	1.000
2023-07-13	18A	N	39.0	Sub-Legal	Puget Sound	1.000
2023-07-13	18A	N	37.0	Sub-Legal	Puget Sound	1.000
2023-07-13	18A	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-07-13	18A	N	34.0	Sub-Legal	ECVI Fall	1.000
2023-07-13	18A	N	32.0	Sub-Legal	Puget Sound	1.000
2023-07-18	18A	N	47.0	Sub-Legal	Puget Sound	1.000
2023-07-18	18A	Y	45.0	Sub-Legal	ECVI Fall	1.000
2023-07-18	18A	Y	44.0	Sub-Legal	Puget Sound	1.000
2023-07-18	18A	Y	44.0	Sub-Legal	No sample	0.000
2023-07-18	18A	Y	40.0	Sub-Legal	Puget Sound	1.000
2023-07-18	18A	Y	34.0	Sub-Legal	Fraser Summer 4.1	1.000
2023-07-20	18A	Y	47.0	Sub-Legal	Puget Sound	1.000
2023-07-20	18A	Y	43.0	Sub-Legal	Puget Sound	1.000
2023-07-20	18A	N	55.0	Sub-Legal	SWVI	1.000
2023-07-20	18A	Y	46.0	Sub-Legal	No sample	0.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-07-20	18A	Y	48.0	Sub-Legal	Puget Sound	1.000
2023-07-20	18A	N	40.0	Sub-Legal	ECVI Fall	1.000
2023-07-20	18A	N	39.0	Sub-Legal	ECVI Fall	1.000
2023-07-20	18A	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-20	18A	N	44.0	Sub-Legal	No sample	0.000
2023-07-20	18A	N	43.0	Sub-Legal	ECVI Fall	1.000
2023-07-20	18A	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-20	18A	Y	46.0	Sub-Legal	Puget Sound	1.000
2023-07-20	18A	N	53.0	Sub-Legal	Puget Sound	1.000
2023-07-25	18A	Y	46.0	Sub-Legal	NA	0.000
2023-07-25	18A	Y	34.0	Sub-Legal	Puget Sound	1.000
2023-07-25	18A	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-25	18A	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-07-25	18A	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-07-25	18A	Y	45.0	Sub-Legal	ECVI Fall	1.000
2023-07-25	18A	N	38.0	Sub-Legal	ECVI Summer	1.000
2023-07-25	18A	N	34.0	Sub-Legal	ECVI Fall	1.000
2023-07-26	18A	N	29.0	Sub-Legal	US Juan de Fuca	1.000
2023-07-26	18A	Y	35.0	Sub-Legal	ECVI Fall	1.000
2023-07-26	18A	Y	46.0	Sub-Legal	Puget Sound	1.000
2023-07-26	18A	Y	36.0	Sub-Legal	Puget Sound	1.000
2023-07-26	18A	Y	38.0	Sub-Legal	Puget Sound	1.000
2023-07-26	18A	N	35.0	Sub-Legal	ECVI Fall	1.000
2023-07-26	18A	N	65.0	Legal	Puget Sound	1.000
2023-07-26	18A	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-26	18A	N	38.0	Sub-Legal	ECVI Fall	1.000
2023-07-26	18A	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-07-26	18A	Y	36.0	Sub-Legal	Puget Sound	1.000
2023-07-26	18A	Y	49.0	Sub-Legal	NA	0.000
2023-07-26	18A	Y	42.0	Sub-Legal	Puget Sound	1.000
2023-07-26	18A	N	39.0	Sub-Legal	ECVI Fall	1.000
2023-07-26	18A	N	35.0	Sub-Legal	Puget Sound	1.000
2023-07-26	18A	Y	47.0	Sub-Legal	Puget Sound	1.000
2023-07-27	18A	N	30.0	Sub-Legal	No sample	0.000
2023-07-27	18A	Y	34.0	Sub-Legal	ECVI Fall	1.000
2023-07-27	18A	N	39.0	Sub-Legal	ECVI Fall	1.000
2023-05-05	18B	Y	61.5	Sub-Legal	Puget Sound	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-05-05	18B	Y	66.0	Legal	Puget Sound	1.000
2023-05-05	18B	Y	64.0	Legal	Puget Sound	1.000
2023-05-05	18B	Y	62.5	Legal	Puget Sound	0.965
2023-05-05	18B	Y	77.0	Legal	Puget Sound	1.000
2023-05-09	18B	Y	69.0	Legal	Puget Sound	1.000
2023-05-16	18B	Y	48.0	Sub-Legal	Puget Sound	1.000
2023-05-16	18B	Y	67.0	Legal	NA	0.000
2023-05-17	18B	Y	48.0	Sub-Legal	Puget Sound	1.000
2023-05-17	18B	Y	72.0	Legal	NA	0.000
2023-05-17	18B	Y	69.0	Legal	Puget Sound	1.000
2023-05-18	18B	Y	63.0	Legal	Puget Sound	1.000
2023-05-18	18B	Y	68.0	Legal	Puget Sound	1.000
2023-05-18	18B	Y	69.0	Legal	Puget Sound	1.000
2023-05-18	18B	Y	67.0	Legal	Puget Sound	1.000
2023-05-18	18B	Y	73.0	Legal	Puget Sound	1.000
2023-05-24	18B	Y	46.0	Sub-Legal	NA	0.000
2023-05-25	18B	Y	52.0	Sub-Legal	ECVI Fall	1.000
2023-05-30	18B	Y	60.0	Sub-Legal	Puget Sound	1.000
2023-05-30	18B	N	31.0	Sub-Legal	ECVI Fall	1.000
2023-05-31	18B	Y	32.0	Sub-Legal	Puget Sound	1.000
2023-05-31	18B	Y	57.0	Sub-Legal	Columbia River	1.000
2023-06-06	18B	N	56.0	Sub-Legal	No sample	0.000
2023-06-06	18B	N	70.0	Legal	Fraser Fall	1.000
2023-06-06	18B	Y	39.0	Sub-Legal	Fraser Summer 5.2	1.000
2023-06-06	18B	Y	55.0	Sub-Legal	Puget Sound	1.000
2023-06-06	18B	N	35.0	Sub-Legal	ECVI Fall	1.000
2023-06-06	18B	Y	55.0	Sub-Legal	Puget Sound	1.000
2023-06-06	18B	N	39.0	Sub-Legal	ECVI Fall	1.000
2023-06-06	18B	N	29.0	Sub-Legal	ECVI Fall	1.000
2023-06-06	18B	N	62.0	Legal	ECVI Fall	1.000
2023-06-06	18B	Y	30.0	Sub-Legal	ECVI Fall	1.000
2023-06-06	18B	Y	45.0	Sub-Legal	Puget Sound	1.000
2023-06-06	18B	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-06-06	18B	N	42.0	Sub-Legal	Puget Sound	1.000
2023-06-06	18B	N	40.0	Sub-Legal	ECVI Fall	1.000
2023-06-07	18B	Y	34.0	Sub-Legal	Puget Sound	1.000
2023-06-07	18B	N	43.0	Sub-Legal	ECVI Fall	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-06-07	18B	N	27.0	Sub-Legal	Puget Sound	1.000
2023-06-07	18B	Y	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-07	18B	Y	69.0	Legal	Puget Sound	1.000
2023-06-07	18B	Y	32.0	Sub-Legal	Puget Sound	0.963
2023-06-07	18B	Y	38.0	Sub-Legal	ECVI Fall	1.000
2023-06-07	18B	N	33.0	Sub-Legal	ECVI Fall	1.000
2023-06-07	18B	Y	66.0	Legal	Puget Sound	1.000
2023-06-07	18B	Y	51.0	Sub-Legal	Puget Sound	1.000
2023-06-07	18B	N	31.0	Sub-Legal	ECVI Fall	1.000
2023-06-07	18B	N	38.0	Sub-Legal	ECVI Fall	1.000
2023-06-07	18B	Y	51.0	Sub-Legal	Puget Sound	1.000
2023-06-07	18B	Y	33.0	Sub-Legal	Puget Sound	1.000
2023-06-07	18B	Y	49.0	Sub-Legal	Puget Sound	1.000
2023-06-07	18B	Y	30.0	Sub-Legal	Puget Sound	1.000
2023-06-08	18B	Y	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-08	18B	Y	45.0	Sub-Legal	Puget Sound	1.000
2023-06-08	18B	N	49.0	Sub-Legal	ECVI Fall	1.000
2023-06-08	18B	Y	47.0	Sub-Legal	Puget Sound	1.000
2023-06-08	18B	Y	56.0	Sub-Legal	Puget Sound	1.000
2023-06-08	18B	N	31.0	Sub-Legal	ECVI Summer	1.000
2023-06-08	18B	Y	36.0	Sub-Legal	Puget Sound	1.000
2023-06-08	18B	N	37.0	Sub-Legal	ECVI Fall	1.000
2023-06-08	18B	N	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-08	18B	Y	87.0	Legal	Puget Sound	1.000
2023-06-08	18B	Y	32.0	Sub-Legal	Puget Sound	1.000
2023-06-13	18B	N	50.0	Sub-Legal	Puget Sound	1.000
2023-06-13	18B	N	49.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	18B	N	54.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	18B	Y	37.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	18B	Y	40.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	18B	Y	54.0	Sub-Legal	Puget Sound	1.000
2023-06-13	18B	N	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	18B	N	45.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	18B	N	53.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	18B	N	31.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	18B	Y	48.0	Sub-Legal	Puget Sound	1.000
2023-06-14	18B	Y	46.0	Sub-Legal	Puget Sound	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-06-14	18B	Y	82.0	Legal	Puget Sound	0.999
2023-06-14	18B	N	49.0	Sub-Legal	Puget Sound	1.000
2023-06-14	18B	N	34.0	Sub-Legal	Puget Sound	1.000
2023-06-14	18B	N	36.0	Sub-Legal	ECVI Fall	1.000
2023-06-14	18B	Y	42.0	Sub-Legal	Puget Sound	1.000
2023-06-14	18B	Y	38.0	Sub-Legal	ECVI Fall	1.000
2023-06-14	18B	N	35.0	Sub-Legal	Puget Sound	1.000
2023-06-14	18B	N	40.0	Sub-Legal	ECVI Fall	1.000
2023-06-14	18B	N	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-15	18B	Y	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-15	18B	N	44.0	Sub-Legal	Fraser Summer 5.2	0.992
2023-06-15	18B	N	37.0	Sub-Legal	ECVI Fall	1.000
2023-06-15	18B	N	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-15	18B	Y	48.5	Sub-Legal	Puget Sound	1.000
2023-06-15	18B	N	91.0	Legal	Fraser Fall	1.000
2023-06-15	18B	N	33.0	Sub-Legal	ECVI Summer	1.000
2023-06-20	18B	Y	47.0	Sub-Legal	Puget Sound	1.000
2023-06-20	18B	N	42.0	Sub-Legal	ECVI Fall	1.000
2023-06-20	18B	N	52.0	Sub-Legal	Puget Sound	1.000
2023-06-20	18B	N	56.5	Sub-Legal	Puget Sound	1.000
2023-06-20	18B	N	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-20	18B	N	44.0	Sub-Legal	Puget Sound	1.000
2023-06-20	18B	N	48.0	Sub-Legal	Puget Sound	1.000
2023-06-20	18B	Y	40.0	Sub-Legal	Puget Sound	1.000
2023-06-20	18B	N	48.0	Sub-Legal	ECVI Fall	1.000
2023-06-20	18B	Y	54.0	Sub-Legal	Puget Sound	1.000
2023-06-20	18B	Y	33.0	Sub-Legal	Puget Sound	1.000
2023-06-20	18B	Y	56.0	Sub-Legal	Puget Sound	1.000
2023-06-20	18B	N	48.0	Sub-Legal	NA	0.000
2023-06-20	18B	N	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-20	18B	N	35.0	Sub-Legal	ECVI Fall	1.000
2023-06-20	18B	Y	43.0	Sub-Legal	Puget Sound	1.000
2023-06-20	18B	N	61.0	Sub-Legal	Puget Sound	1.000
2023-06-20	18B	N	35.0	Sub-Legal	ECVI Fall	1.000
2023-06-20	18B	Y	48.0	Sub-Legal	Puget Sound	1.000
2023-06-20	18B	N	31.0	Sub-Legal	ECVI Fall	0.994
2023-06-20	18B	Y	33.0	Sub-Legal	Puget Sound	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-06-21	18B	Y	39.0	Sub-Legal	Puget Sound	1.000
2023-06-21	18B	Y	34.0	Sub-Legal	Puget Sound	1.000
2023-06-21	18B	N	37.8	Sub-Legal	No sample	0.000
2023-06-21	18B	N	37.0	Sub-Legal	ECVI Fall	1.000
2023-06-21	18B	N	56.0	Sub-Legal	Puget Sound	1.000
2023-06-21	18B	Y	43.0	Sub-Legal	Fraser Summer 5.2	1.000
2023-06-21	18B	N	45.0	Sub-Legal	Puget Sound	1.000
2023-06-21	18B	N	37.0	Sub-Legal	ECVI Fall	1.000
2023-06-21	18B	N	38.0	Sub-Legal	ECVI Fall	1.000
2023-06-21	18B	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-06-21	18B	Y	45.0	Sub-Legal	ECVI Fall	1.000
2023-06-21	18B	Y	44.0	Sub-Legal	ECVI Fall	1.000
2023-06-21	18B	N	42.0	Sub-Legal	ECVI Fall	1.000
2023-06-21	18B	N	44.0	Sub-Legal	Puget Sound	1.000
2023-06-21	18B	Y	34.0	Sub-Legal	Puget Sound	1.000
2023-06-21	18B	Y	32.0	Sub-Legal	Puget Sound	1.000
2023-06-22	18B	Y	36.0	Sub-Legal	Puget Sound	1.000
2023-06-22	18B	Y	36.0	Sub-Legal	ECVI Fall	1.000
2023-06-22	18B	Y	46.0	Sub-Legal	Puget Sound	1.000
2023-06-22	18B	Y	44.0	Sub-Legal	SWVI	1.000
2023-06-22	18B	N	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-22	18B	Y	44.0	Sub-Legal	Puget Sound	1.000
2023-06-22	18B	Y	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-22	18B	N	52.0	Sub-Legal	No sample	0.000
2023-06-22	18B	N	54.0	Sub-Legal	Puget Sound	1.000
2023-06-22	18B	Y	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-27	18B	Y	41.0	Sub-Legal	Puget Sound	1.000
2023-06-28	18B	N	37.0	Sub-Legal	ECVI Summer	1.000
2023-06-28	18B	N	44.0	Sub-Legal	NA	0.000
2023-06-28	18B	N	40.0	Sub-Legal	Puget Sound	1.000
2023-06-28	18B	N	62.0	Legal	Puget Sound	1.000
2023-06-28	18B	N	65.0	Legal	Puget Sound	1.000
2023-06-28	18B	N	37.0	Sub-Legal	NA	0.000
2023-06-28	18B	Y	26.0	Sub-Legal	NA	0.000
2023-06-29	18B	N	40.0	Sub-Legal	Puget Sound	1.000
2023-06-29	18B	N	39.0	Sub-Legal	ECVI Fall	1.000
2023-06-29	18B	Y	34.0	Sub-Legal	NA	0.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-06-29	18B	N	35.0	Sub-Legal	NA	0.000
2023-06-29	18B	Y	46.0	Sub-Legal	Puget Sound	1.000
2023-06-29	18B	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-06-29	18B	N	39.0	Sub-Legal	NA	0.000
2023-06-29	18B	Y	31.0	Sub-Legal	NA	0.000
2023-06-29	18B	Y	39.0	Sub-Legal	ECVI Fall	1.000
2023-06-29	18B	Y	39.0	Sub-Legal	NA	0.000
2023-06-29	18B	N	39.0	Sub-Legal	NA	0.000
2023-06-29	18B	Y	50.0	Sub-Legal	Puget Sound	1.000
2023-06-29	18B	N	42.0	Sub-Legal	ECVI Fall	1.000
2023-06-29	18B	Y	39.0	Sub-Legal	NA	0.000
2023-06-29	18B	N	33.0	Sub-Legal	NA	0.000
2023-06-29	18B	N	37.0	Sub-Legal	NA	0.000
2023-06-29	18B	Y	46.0	Sub-Legal	Puget Sound	1.000
2023-06-29	18B	Y	44.0	Sub-Legal	NA	0.000
2023-06-29	18B	N	26.0	Sub-Legal	NA	0.000
2023-07-04	18B	N	24.0	Sub-Legal	Fraser Summer 5.2	1.000
2023-07-04	18B	Y	37.0	Sub-Legal	ECVI Fall	1.000
2023-07-04	18B	N	31.0	Sub-Legal	ECVI Summer	1.000
2023-07-04	18B	Y	57.0	Sub-Legal	Puget Sound	1.000
2023-07-04	18B	N	80.0	Legal	Fraser Fall	1.000
2023-07-04	18B	N	30.0	Sub-Legal	Puget Sound	1.000
2023-07-04	18B	Y	37.0	Sub-Legal	NA	0.000
2023-07-04	18B	Y	37.0	Sub-Legal	Columbia River	1.000
2023-07-04	18B	N	74.0	Legal	ECVI Fall	1.000
2023-07-04	18B	N	38.0	Sub-Legal	Puget Sound	1.000
2023-07-04	18B	Y	38.0	Sub-Legal	Puget Sound	1.000
2023-07-04	18B	N	37.0	Sub-Legal	ECVI Fall	1.000
2023-07-04	18B	N	37.0	Sub-Legal	ECVI Fall	1.000
2023-07-04	18B	Y	39.0	Sub-Legal	Puget Sound	1.000
2023-07-04	18B	Y	40.0	Sub-Legal	Puget Sound	1.000
2023-07-04	18B	N	36.0	Sub-Legal	ECVI Fall	1.000
2023-07-04	18B	Y	39.0	Sub-Legal	ECVI Fall	1.000
2023-07-04	18B	N	44.0	Sub-Legal	NA	0.000
2023-07-05	18B	N	41.0	Sub-Legal	NA	0.000
2023-07-05	18B	N	38.0	Sub-Legal	Puget Sound	1.000
2023-07-06	18B	N	34.0	Sub-Legal	Puget Sound	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-07-06	18B	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-07-06	18B	N	39.0	Sub-Legal	Puget Sound	1.000
2023-07-06	18B	Y	40.0	Sub-Legal	Puget Sound	1.000
2023-07-06	18B	N	44.0	Sub-Legal	Fraser Fall	1.000
2023-07-06	18B	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-06	18B	N	55.0	Sub-Legal	Puget Sound	1.000
2023-07-06	18B	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-06	18B	N	39.0	Sub-Legal	ECVI Fall	1.000
2023-07-06	18B	Y	45.0	Sub-Legal	Puget Sound	1.000
2023-07-11	18B	Y	43.0	Sub-Legal	Puget Sound	0.847
2023-07-11	18B	N	30.5	Sub-Legal	ECVI Fall	1.000
2023-07-11	18B	N	44.0	Sub-Legal	SWVI	1.000
2023-07-11	18B	Y	53.0	Sub-Legal	NA	0.000
2023-07-11	18B	Y	38.0	Sub-Legal	Puget Sound	1.000
2023-07-12	18B	Y	36.0	Sub-Legal	Puget Sound	1.000
2023-07-13	18B	N	36.0	Sub-Legal	Puget Sound	1.000
2023-07-13	18B	Y	34.0	Sub-Legal	No sample	0.000
2023-07-13	18B	Y	42.0	Sub-Legal	Puget Sound	1.000
2023-07-18	18B	N	38.0	Sub-Legal	ECVI Fall	1.000
2023-07-18	18B	Y	38.0	Sub-Legal	NA	0.000
2023-07-18	18B	Y	47.0	Sub-Legal	Puget Sound	1.000
2023-07-18	18B	Y	34.0	Sub-Legal	Puget Sound	1.000
2023-07-18	18B	N	35.0	Sub-Legal	ECVI Fall	1.000
2023-07-18	18B	N	38.0	Sub-Legal	ECVI Fall	0.999
2023-07-18	18B	N	31.0	Sub-Legal	Puget Sound	1.000
2023-07-18	18B	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-07-18	18B	N	29.0	Sub-Legal	ECVI Fall	1.000
2023-07-19	18B	Y	40.0	Sub-Legal	Puget Sound	0.959
2023-07-19	18B	N	34.0	Sub-Legal	Puget Sound	1.000
2023-07-19	18B	N	39.0	Sub-Legal	ECVI Fall	1.000
2023-07-19	18B	N	42.0	Sub-Legal	Puget Sound	1.000
2023-07-19	18B	Y	31.0	Sub-Legal	Puget Sound	1.000
2023-07-19	18B	N	37.0	Sub-Legal	ECVI Fall	1.000
2023-07-19	18B	Y	45.0	Sub-Legal	Puget Sound	1.000
2023-07-19	18B	N	23.0	Sub-Legal	No sample	0.000
2023-07-19	18B	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-07-19	18B	N	35.0	Sub-Legal	ECVI Fall	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-07-19	18B	Y	33.0	Sub-Legal	Puget Sound	1.000
2023-07-19	18B	N	42.0	Sub-Legal	ECVI Fall	1.000
2023-07-19	18B	Y	32.0	Sub-Legal	Puget Sound	1.000
2023-07-19	18B	Y	38.0	Sub-Legal	Puget Sound	1.000
2023-07-19	18B	Y	36.0	Sub-Legal	ECVI Fall	1.000
2023-07-19	18B	Y	37.0	Sub-Legal	ECVI Fall	1.000
2023-07-19	18B	N	58.0	Sub-Legal	ECVI Fall	1.000
2023-07-19	18B	N	67.0	Legal	Puget Sound	1.000
2023-07-19	18B	Y	62.0	Legal	Puget Sound	1.000
2023-07-19	18B	Y	41.0	Sub-Legal	Puget Sound	1.000
2023-07-19	18B	N	40.0	Sub-Legal	ECVI Fall	1.000
2023-07-19	18B	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-19	18B	Y	41.0	Sub-Legal	Puget Sound	1.000
2023-07-19	18B	Y	30.0	Sub-Legal	ECVI Fall	1.000
2023-07-19	18B	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-20	18B	N	36.0	Sub-Legal	ECVI Fall	1.000
2023-07-20	18B	N	42.0	Sub-Legal	Puget Sound	1.000
2023-07-20	18B	Y	44.0	Sub-Legal	Puget Sound	1.000
2023-07-20	18B	Y	44.0	Sub-Legal	Puget Sound	1.000
2023-07-20	18B	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-07-20	18B	Y	32.0	Sub-Legal	Puget Sound	1.000
2023-07-20	18B	Y	62.0	Legal	Puget Sound	1.000
2023-07-20	18B	Y	45.0	Sub-Legal	Puget Sound	1.000
2023-07-20	18B	Y	40.0	Sub-Legal	Puget Sound	1.000
2023-07-25	18B	N	30.0	Sub-Legal	Fraser Summer 4.1	1.000
2023-07-25	18B	N	40.0	Sub-Legal	Puget Sound	1.000
2023-07-25	18B	N	36.0	Sub-Legal	ECVI Fall	1.000
2023-07-26	18B	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-27	18B	N	48.0	Sub-Legal	Puget Sound	1.000
2023-07-27	18B	Y	46.0	Sub-Legal	Puget Sound	1.000
2023-05-09	19A	N	41.0	Sub-Legal	NA	0.000
2023-05-10	19A	N	67.0	Legal	ECVI Summer	0.961
2023-05-31	19A	Y	33.4	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	Y	40.0	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	Y	39.0	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	Y	29.5	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	Y	35.9	Sub-Legal	ECVI Fall	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-06-01	19A	Y	32.0	Sub-Legal	Puget Sound	1.000
2023-06-01	19A	N	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	N	44.0	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	Y	30.0	Sub-Legal	Puget Sound	1.000
2023-06-01	19A	N	39.0	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	N	31.4	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	Y	62.0	Legal	Puget Sound	1.000
2023-06-01	19A	N	34.0	Sub-Legal	Puget Sound	1.000
2023-06-01	19A	Y	63.0	Legal	Puget Sound	1.000
2023-06-01	19A	N	35.0	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	N	70.5	Legal	ECVI Summer	1.000
2023-06-01	19A	N	50.0	Sub-Legal	Fraser Fall	1.000
2023-06-01	19A	N	35.0	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	N	47.0	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	N	31.0	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	N	30.0	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	Y	46.5	Sub-Legal	Puget Sound	1.000
2023-06-01	19A	Y	37.0	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	Y	38.0	Sub-Legal	Puget Sound	1.000
2023-06-01	19A	N	84.0	Legal	Fraser Fall	1.000
2023-06-01	19A	Y	42.0	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	N	43.3	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	Y	40.1	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	Y	40.0	Sub-Legal	Puget Sound	1.000
2023-06-01	19A	Y	36.0	Sub-Legal	Puget Sound	1.000
2023-06-01	19A	Y	45.0	Sub-Legal	Puget Sound	1.000
2023-06-01	19A	Y	39.0	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	Y	55.5	Sub-Legal	Puget Sound	1.000
2023-06-01	19A	N	34.5	Sub-Legal	Puget Sound	1.000
2023-06-01	19A	Y	43.0	Sub-Legal	Puget Sound	1.000
2023-06-01	19A	N	59.0	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	Y	31.0	Sub-Legal	Puget Sound	1.000
2023-06-01	19A	N	48.0	Sub-Legal	Puget Sound	1.000
2023-06-01	19A	N	41.2	Sub-Legal	NA	0.000
2023-06-01	19A	Y	36.0	Sub-Legal	Puget Sound	1.000
2023-06-01	19A	N	41.0	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	Y	33.9	Sub-Legal	Puget Sound	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-06-01	19A	Y	37.2	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	Y	44.0	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	N	55.0	Sub-Legal	ECVI Fall	1.000
2023-06-01	19A	Y	33.0	Sub-Legal	Puget Sound	1.000
2023-06-01	19A	Y	37.2	Sub-Legal	Puget Sound	1.000
2023-06-01	19A	N	33.0	Sub-Legal	Puget Sound	1.000
2023-06-01	19A	Y	34.0	Sub-Legal	Puget Sound	1.000
2023-06-01	19A	Y	33.8	Sub-Legal	Puget Sound	1.000
2023-06-01	19A	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-06-01	19A	Y	31.5	Sub-Legal	ECVI Fall	1.000
2023-06-06	19A	Y	35.0	Sub-Legal	ECVI Fall	1.000
2023-06-06	19A	Y	66.0	Legal	Puget Sound	1.000
2023-06-06	19A	Y	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-06	19A	Y	41.0	Sub-Legal	Fraser Fall	1.000
2023-06-06	19A	N	35.2	Sub-Legal	Fraser Fall	1.000
2023-06-06	19A	N	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-06	19A	N	57.0	Sub-Legal	Puget Sound	1.000
2023-06-06	19A	Y	62.5	Legal	Puget Sound	1.000
2023-06-06	19A	N	35.0	Sub-Legal	ECVI Fall	1.000
2023-06-06	19A	Y	50.0	Sub-Legal	Puget Sound	1.000
2023-06-06	19A	N	35.0	Sub-Legal	ECVI Fall	1.000
2023-06-06	19A	Y	32.1	Sub-Legal	Puget Sound	1.000
2023-06-06	19A	N	34.0	Sub-Legal	Fraser Fall	1.000
2023-06-06	19A	Y	29.2	Sub-Legal	Puget Sound	1.000
2023-06-06	19A	N	69.0	Legal	ECVI Fall	1.000
2023-06-06	19A	Y	61.0	Sub-Legal	Puget Sound	1.000
2023-06-06	19A	N	33.0	Sub-Legal	Puget Sound	1.000
2023-06-06	19A	Y	33.0	Sub-Legal	ECVI Fall	1.000
2023-06-06	19A	Y	31.0	Sub-Legal	No sample	0.000
2023-06-06	19A	Y	32.5	Sub-Legal	Puget Sound	1.000
2023-06-07	19A	N	76.0	Legal	Puget Sound	1.000
2023-06-07	19A	Y	37.0	Sub-Legal	ECVI Fall	1.000
2023-06-07	19A	Y	51.8	Sub-Legal	Puget Sound	1.000
2023-06-07	19A	N	53.0	Sub-Legal	Puget Sound	1.000
2023-06-07	19A	Y	72.0	Legal	Puget Sound	1.000
2023-06-07	19A	N	32.0	Sub-Legal	Puget Sound	1.000
2023-06-07	19A	Y	36.2	Sub-Legal	ECVI Fall	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-06-07	19A	N	39.0	Sub-Legal	Fraser Summer 5.2	0.992
2023-06-07	19A	N	39.0	Sub-Legal	ECVI Fall	1.000
2023-06-07	19A	Y	34.5	Sub-Legal	Puget Sound	1.000
2023-06-07	19A	N	37.8	Sub-Legal	No sample	0.000
2023-06-07	19A	N	35.0	Sub-Legal	Puget Sound	1.000
2023-06-07	19A	Y	39.0	Sub-Legal	ECVI Fall	1.000
2023-06-07	19A	Y	37.5	Sub-Legal	Puget Sound	1.000
2023-06-07	19A	N	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-07	19A	N	62.0	Legal	No sample	0.000
2023-06-07	19A	N	31.0	Sub-Legal	ECVI Fall	1.000
2023-06-07	19A	N	40.5	Sub-Legal	ECVI Fall	1.000
2023-06-07	19A	Y	46.0	Sub-Legal	Puget Sound	1.000
2023-06-07	19A	Y	32.4	Sub-Legal	No sample	0.000
2023-06-07	19A	N	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-07	19A	N	36.5	Sub-Legal	Puget Sound	1.000
2023-06-07	19A	N	56.0	Sub-Legal	No sample	0.000
2023-06-07	19A	N	55.0	Sub-Legal	No sample	0.000
2023-06-07	19A	N	36.0	Sub-Legal	Puget Sound	0.999
2023-06-07	19A	Y	31.0	Sub-Legal	Puget Sound	1.000
2023-06-07	19A	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-06-07	19A	Y	30.5	Sub-Legal	Puget Sound	1.000
2023-06-07	19A	Y	29.0	Sub-Legal	ECVI Fall	1.000
2023-06-07	19A	Y	35.5	Sub-Legal	Puget Sound	1.000
2023-06-08	19A	N	31.0	Sub-Legal	ECVI Fall	1.000
2023-06-08	19A	N	55.0	Sub-Legal	ECVI Fall	1.000
2023-06-08	19A	Y	59.0	Sub-Legal	Fraser Fall	1.000
2023-06-08	19A	N	30.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	19A	Y	34.5	Sub-Legal	Puget Sound	1.000
2023-06-13	19A	N	35.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	19A	Y	81.0	Legal	Puget Sound	1.000
2023-06-13	19A	N	32.5	Sub-Legal	ECVI Fall	1.000
2023-06-13	19A	N	35.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	19A	Y	30.0	Sub-Legal	Puget Sound	1.000
2023-06-13	19A	N	33.0	Sub-Legal	Puget Sound	1.000
2023-06-13	19A	N	31.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	19A	N	38.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	19A	Y	36.0	Sub-Legal	ECVI Fall	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-06-13	19A	Y	39.2	Sub-Legal	Puget Sound	1.000
2023-06-13	19A	Y	31.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	19A	N	48.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	19A	N	87.0	Legal	Fraser Fall	1.000
2023-06-13	19A	N	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	19A	N	33.5	Sub-Legal	Puget Sound	1.000
2023-06-13	19A	N	71.0	Legal	Puget Sound	1.000
2023-06-13	19A	N	35.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	19A	N	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	19A	N	30.0	Sub-Legal	ECVI Fall	1.000
2023-06-13	19A	N	34.0	Sub-Legal	Puget Sound	1.000
2023-06-13	19A	N	36.0	Sub-Legal	SWVI	1.000
2023-06-13	19A	Y	31.0	Sub-Legal	Puget Sound	1.000
2023-06-13	19A	Y	59.2	Sub-Legal	Puget Sound	1.000
2023-06-13	19A	Y	52.0	Sub-Legal	Puget Sound	1.000
2023-06-13	19A	N	35.0	Sub-Legal	ECVI Fall	1.000
2023-06-14	19A	N	38.5	Sub-Legal	SWVI	1.000
2023-06-14	19A	N	33.0	Sub-Legal	ECVI Fall	1.000
2023-06-14	19A	Y	38.0	Sub-Legal	Puget Sound	1.000
2023-06-14	19A	N	76.0	Legal	Fraser Fall	1.000
2023-06-14	19A	N	36.0	Sub-Legal	ECVI Fall	1.000
2023-06-14	19A	N	31.5	Sub-Legal	ECVI Fall	1.000
2023-06-14	19A	Y	36.0	Sub-Legal	Puget Sound	0.998
2023-06-14	19A	Y	61.0	Sub-Legal	Puget Sound	1.000
2023-06-14	19A	Y	39.0	Sub-Legal	ECVI Fall	1.000
2023-06-14	19A	Y	74.0	Legal	Puget Sound	1.000
2023-06-14	19A	Y	59.0	Sub-Legal	Puget Sound	1.000
2023-06-14	19A	N	38.5	Sub-Legal	ECVI Fall	1.000
2023-06-14	19A	Y	39.0	Sub-Legal	Puget Sound	1.000
2023-06-14	19A	N	35.5	Sub-Legal	ECVI Fall	1.000
2023-06-14	19A	N	32.5	Sub-Legal	Puget Sound	1.000
2023-06-15	19A	Y	32.2	Sub-Legal	Puget Sound	1.000
2023-06-15	19A	N	56.0	Sub-Legal	Fraser Fall	1.000
2023-06-15	19A	Y	34.0	Sub-Legal	Puget Sound	1.000
2023-06-15	19A	Y	30.8	Sub-Legal	Puget Sound	1.000
2023-06-15	19A	N	33.5	Sub-Legal	ECVI Fall	1.000
2023-06-15	19A	N	35.0	Sub-Legal	ECVI Fall	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-06-15	19A	N	33.0	Sub-Legal	Puget Sound	1.000
2023-06-15	19A	Y	34.5	Sub-Legal	Puget Sound	1.000
2023-06-15	19A	N	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-15	19A	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-06-15	19A	N	57.0	Sub-Legal	Puget Sound	1.000
2023-06-15	19A	Y	34.0	Sub-Legal	Puget Sound	1.000
2023-06-15	19A	N	75.0	Legal	Fraser Fall	1.000
2023-06-15	19A	N	42.5	Sub-Legal	Puget Sound	1.000
2023-06-15	19A	Y	54.0	Sub-Legal	Puget Sound	1.000
2023-06-15	19A	Y	51.0	Sub-Legal	Puget Sound	1.000
2023-06-15	19A	N	34.0	Sub-Legal	ECVI Fall	1.000
2023-06-20	19A	N	71.0	Legal	ECVI Fall	0.999
2023-06-20	19A	N	38.0	Sub-Legal	SWVI	1.000
2023-06-20	19A	N	84.0	Legal	Fraser Fall	1.000
2023-06-20	19A	Y	47.0	Sub-Legal	Puget Sound	1.000
2023-06-20	19A	N	39.0	Sub-Legal	SWVI	1.000
2023-06-20	19A	Y	35.4	Sub-Legal	Puget Sound	1.000
2023-06-20	19A	Y	64.0	Legal	NA	0.000
2023-06-20	19A	N	70.1	Legal	Puget Sound	1.000
2023-06-20	19A	N	34.0	Sub-Legal	NA	0.000
2023-06-20	19A	N	35.5	Sub-Legal	ECVI Fall	1.000
2023-06-20	19A	Y	37.5	Sub-Legal	Puget Sound	1.000
2023-06-20	19A	N	30.0	Sub-Legal	SWVI	1.000
2023-06-20	19A	Y	40.5	Sub-Legal	ECVI Fall	1.000
2023-06-20	19A	Y	37.0	Sub-Legal	ECVI Fall	1.000
2023-06-20	19A	Y	43.0	Sub-Legal	Puget Sound	1.000
2023-06-20	19A	N	30.0	Sub-Legal	NA	0.000
2023-06-20	19A	N	34.0	Sub-Legal	Puget Sound	0.999
2023-06-20	19A	N	66.0	Legal	NA	0.000
2023-06-20	19A	Y	36.0	Sub-Legal	ECVI Fall	1.000
2023-06-20	19A	N	42.0	Sub-Legal	Puget Sound	1.000
2023-06-20	19A	N	37.0	Sub-Legal	NA	0.000
2023-06-20	19A	N	37.8	Sub-Legal	ECVI Fall	1.000
2023-06-21	19A	Y	55.0	Sub-Legal	Puget Sound	1.000
2023-06-21	19A	Y	47.8	Sub-Legal	Fraser Spring 4.2	1.000
2023-06-21	19A	Y	32.0	Sub-Legal	ECVI Fall	1.000
2023-06-21	19A	Y	51.0	Sub-Legal	Puget Sound	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-06-21	19A	Y	30.0	Sub-Legal	ECVI Fall	1.000
2023-06-21	19A	N	46.0	Sub-Legal	ECVI Fall	1.000
2023-06-21	19A	Y	35.0	Sub-Legal	Puget Sound	0.994
2023-06-21	19A	N	42.0	Sub-Legal	ECVI Fall	1.000
2023-06-21	19A	N	33.0	Sub-Legal	ECVI Fall	1.000
2023-06-21	19A	Y	49.0	Sub-Legal	Puget Sound	1.000
2023-06-21	19A	N	36.0	Sub-Legal	ECVI Fall	1.000
2023-06-21	19A	N	47.0	Sub-Legal	Puget Sound	1.000
2023-06-21	19A	N	27.0	Sub-Legal	ECVI Fall	1.000
2023-06-21	19A	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-06-21	19A	N	28.0	Sub-Legal	SWVI	1.000
2023-06-21	19A	Y	33.0	Sub-Legal	Puget Sound	1.000
2023-06-21	19A	N	31.0	Sub-Legal	ECVI Fall	1.000
2023-06-21	19A	N	35.0	Sub-Legal	ECVI Fall	1.000
2023-06-21	19A	N	29.5	Sub-Legal	ECVI Fall	1.000
2023-06-21	19A	N	40.0	Sub-Legal	ECVI Fall	0.999
2023-06-21	19A	N	34.6	Sub-Legal	ECVI Fall	1.000
2023-06-21	19A	N	39.0	Sub-Legal	ECVI Fall	1.000
2023-06-21	19A	Y	35.0	Sub-Legal	ECVI Fall	1.000
2023-06-21	19A	Y	47.2	Sub-Legal	Puget Sound	1.000
2023-06-21	19A	Y	32.2	Sub-Legal	Puget Sound	1.000
2023-06-21	19A	N	35.6	Sub-Legal	ECVI Fall	1.000
2023-06-21	19A	N	33.8	Sub-Legal	ECVI Fall	1.000
2023-06-22	19A	Y	37.1	Sub-Legal	ECVI Fall	1.000
2023-06-22	19A	Y	38.0	Sub-Legal	NA	0.000
2023-06-22	19A	N	42.0	Sub-Legal	ECVI Fall	1.000
2023-06-22	19A	N	39.8	Sub-Legal	NA	0.000
2023-06-22	19A	N	31.0	Sub-Legal	NA	0.000
2023-06-22	19A	Y	53.0	Sub-Legal	Puget Sound	1.000
2023-06-22	19A	N	35.0	Sub-Legal	NA	0.000
2023-06-22	19A	N	37.2	Sub-Legal	NA	0.000
2023-06-22	19A	Y	52.0	Sub-Legal	Puget Sound	1.000
2023-06-22	19A	N	41.1	Sub-Legal	NA	0.000
2023-06-22	19A	Y	34.0	Sub-Legal	NA	0.000
2023-06-22	19A	N	32.0	Sub-Legal	ECVI Fall	1.000
2023-06-22	19A	Y	29.5	Sub-Legal	Puget Sound	1.000
2023-06-22	19A	N	32.6	Sub-Legal	NA	0.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-06-22	19A	Y	43.0	Sub-Legal	NA	0.000
2023-06-22	19A	N	36.0	Sub-Legal	ECVI Fall	1.000
2023-06-22	19A	N	39.2	Sub-Legal	ECVI Fall	1.000
2023-06-22	19A	N	35.0	Sub-Legal	NA	0.000
2023-06-22	19A	Y	37.4	Sub-Legal	Puget Sound	1.000
2023-06-22	19A	N	65.8	Legal	NA	0.000
2023-06-22	19A	Y	50.9	Sub-Legal	Puget Sound	1.000
2023-06-22	19A	N	30.0	Sub-Legal	Puget Sound	1.000
2023-06-27	19A	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-06-27	19A	Y	70.0	Legal	Puget Sound	1.000
2023-06-27	19A	N	33.0	Sub-Legal	ECVI Fall	1.000
2023-06-27	19A	N	31.0	Sub-Legal	ECVI Fall	1.000
2023-06-27	19A	N	84.0	Legal	Puget Sound	1.000
2023-06-27	19A	N	76.0	Legal	Fraser Fall	1.000
2023-06-27	19A	Y	40.0	Sub-Legal	ECVI Fall	1.000
2023-06-28	19A	N	39.0	Sub-Legal	ECVI Fall	1.000
2023-06-28	19A	N	37.0	Sub-Legal	ECVI Fall	1.000
2023-06-28	19A	Y	23.0	Sub-Legal	NA	0.000
2023-06-28	19A	Y	36.0	Sub-Legal	ECVI Fall	1.000
2023-06-28	19A	N	80.0	Legal	Fraser Fall	1.000
2023-06-28	19A	N	64.0	Legal	Puget Sound	1.000
2023-06-28	19A	N	35.0	Sub-Legal	NA	0.000
2023-06-28	19A	N	76.0	Legal	Fraser Fall	1.000
2023-06-29	19A	N	37.0	Sub-Legal	ECVI Fall	0.999
2023-07-06	19A	Y	77.0	Legal	Puget Sound	1.000
2023-07-06	19A	Y	55.0	Sub-Legal	Puget Sound	1.000
2023-07-12	19A	N	74.0	Legal	ECVI Fall	1.000
2023-07-13	19A	Y	15.0	Sub-Legal	NA	0.000
2023-07-18	19A	N	34.0	Sub-Legal	ECVI Fall	1.000
2023-07-18	19A	Y	41.0	Sub-Legal	Puget Sound	1.000
2023-07-18	19A	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-07-19	19A	Y	67.0	Legal	Puget Sound	1.000
2023-07-19	19A	Y	64.0	Legal	Puget Sound	1.000
2023-07-19	19A	N	33.0	Sub-Legal	ECVI Fall	1.000
2023-07-20	19A	Y	65.0	Legal	NA	0.000
2023-07-20	19A	N	78.0	Legal	SWVI	1.000
2023-07-20	19A	Y	87.0	Legal	Puget Sound	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-07-25	19A	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-25	19A	Y	36.0	Sub-Legal	Puget Sound	1.000
2023-07-25	19A	Y	46.0	Sub-Legal	Puget Sound	1.000
2023-07-25	19A	N	36.0	Sub-Legal	Puget Sound	1.000
2023-07-25	19A	Y	40.0	Sub-Legal	Puget Sound	1.000
2023-07-25	19A	N	40.0	Sub-Legal	Puget Sound	1.000
2023-07-26	19A	N	44.0	Sub-Legal	ECVI Fall	1.000
2023-07-26	19A	N	44.0	Sub-Legal	ECVI Fall	1.000
2023-07-26	19A	N	33.0	Sub-Legal	ECVI Fall	0.973
2023-07-26	19A	N	83.0	Legal	Fraser Summer 4.1	1.000
2023-07-26	19A	N	65.0	Legal	Puget Sound	1.000
2023-07-26	19A	N	37.0	Sub-Legal	Fraser Summer 4.1	1.000
2023-07-26	19A	Y	40.0	Sub-Legal	Puget Sound	1.000
2023-07-26	19A	N	41.0	Sub-Legal	ECVI Fall	1.000
2023-07-26	19A	Y	46.0	Sub-Legal	NA	0.000
2023-07-26	19A	N	36.0	Sub-Legal	ECVI Fall	1.000
2023-07-26	19A	Y	57.0	Sub-Legal	Puget Sound	1.000
2023-07-27	19A	N	40.0	Sub-Legal	Puget Sound	1.000
2023-07-27	19A	N	40.0	Sub-Legal	Puget Sound	1.000
2023-07-27	19A	Y	33.0	Sub-Legal	Puget Sound	1.000
2023-07-27	19A	Y	58.0	Sub-Legal	Puget Sound	1.000
2023-07-27	19A	Y	30.0	Sub-Legal	Puget Sound	1.000
2023-07-27	19A	N	45.0	Sub-Legal	ECVI Fall	0.999
2023-07-27	19A	Y	53.0	Sub-Legal	Puget Sound	1.000
2023-07-27	19A	N	32.0	Sub-Legal	No sample	0.000
2023-07-27	19A	Y	44.0	Sub-Legal	Puget Sound	1.000
2023-07-27	19A	N	37.0	Sub-Legal	Puget Sound	1.000
2023-07-27	19A	Y	42.0	Sub-Legal	Columbia River	1.000
2023-07-27	19A	Y	40.0	Sub-Legal	Puget Sound	1.000
2023-07-27	19A	Y	41.0	Sub-Legal	Puget Sound	1.000
2023-07-27	19A	N	42.0	Sub-Legal	ECVI Fall	0.903
2023-07-27	19A	Y	42.0	Sub-Legal	Puget Sound	1.000
2023-07-27	19A	N	31.0	Sub-Legal	ECVI Fall	1.000
2023-07-27	19A	N	39.0	Sub-Legal	ECVI Fall	1.000
2023-07-27	19A	Y	43.0	Sub-Legal	Puget Sound	1.000
2023-07-27	19A	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-07-27	19A	N	31.0	Sub-Legal	ECVI Fall	0.995

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-07-27	19A	Y	34.0	Sub-Legal	Coastal Oregon	1.000
2023-05-04	19B	N	62.2	Legal	ECVI Fall	1.000
2023-05-04	19B	Y	68.0	Legal	Puget Sound	1.000
2023-05-09	19B	Y	71.5	Legal	Puget Sound	1.000
2023-05-10	19B	N	62.0	Legal	ECVI Fall	1.000
2023-05-10	19B	Y	60.0	Sub-Legal	Puget Sound	1.000
2023-05-16	19B	N	44.0	Sub-Legal	ECVI Fall	1.000
2023-05-16	19B	N	87.0	Legal	Puget Sound	1.000
2023-05-18	19B	N	57.0	Sub-Legal	ECVI Fall	1.000
2023-05-18	19B	Y	65.0	Legal	Puget Sound	1.000
2023-05-24	19B	Y	76.0	Legal	NA	0.000
2023-05-24	19B	Y	67.0	Legal	NA	0.000
2023-05-24	19B	Y	74.5	Legal	NA	0.000
2023-05-24	19B	Y	67.0	Legal	NA	0.000
2023-05-25	19B	N	61.0	Sub-Legal	Puget Sound	1.000
2023-05-25	19B	Y	68.0	Legal	Puget Sound	1.000
2023-05-25	19B	Y	60.0	Sub-Legal	NA	0.000
2023-05-25	19B	Y	72.0	Legal	Puget Sound	1.000
2023-05-25	19B	N	42.0	Sub-Legal	ECVI Fall	1.000
2023-05-25	19B	N	45.0	Sub-Legal	Puget Sound	1.000
2023-05-25	19B	NA	95.0	Legal	NA	0.000
2023-05-30	19B	N	54.2	Sub-Legal	Fraser Fall	1.000
2023-05-10	19C	Y	60.0	Legal	Puget Sound	1.000
2023-05-10	19C	N	53.0	Legal	Puget Sound	1.000
2023-05-10	19C	Y	51.5	Legal	Puget Sound	1.000
2023-05-10	19C	Y	70.0	Legal	Puget Sound	1.000
2023-05-10	19C	Y	62.0	Legal	Puget Sound	1.000
2023-05-10	19C	Y	62.5	Legal	Puget Sound	1.000
2023-05-10	19C	Y	54.2	Legal	Puget Sound	1.000
2023-05-10	19C	Y	59.0	Legal	Puget Sound	1.000
2023-05-10	19C	N	64.0	Legal	Puget Sound	1.000
2023-05-10	19C	Y	51.0	Legal	Columbia River	1.000
2023-05-10	19C	Y	80.5	Legal	Puget Sound	1.000
2023-05-10	19C	N	60.0	Legal	Puget Sound	1.000
2023-05-16	19C	Y	60.0	Legal	Puget Sound	1.000
2023-05-16	19C	N	61.0	Legal	Puget Sound	1.000
2023-05-16	19C	N	83.0	Legal	Puget Sound	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-05-16	19C	Y	63.0	Legal	Puget Sound	1.000
2023-05-16	19C	Y	58.0	Legal	Columbia River	1.000
2023-05-24	19C	N	79.0	Legal	Fraser Spring 5.2	0.957
2023-05-24	19C	Y	67.0	Legal	Puget Sound	1.000
2023-05-09	19D	Y	59.0	Legal	Columbia River	1.000
2023-05-09	19D	Y	59.0	Legal	Puget Sound	1.000
2023-05-09	19D	Y	61.0	Legal	Puget Sound	1.000
2023-05-09	19D	Y	43.5	Sub-Legal	Puget Sound	1.000
2023-05-09	19D	N	65.0	Legal	Puget Sound	1.000
2023-05-09	19D	N	51.0	Legal	Puget Sound	1.000
2023-05-09	19D	Y	66.5	Legal	No sample	0.000
2023-05-09	19D	Y	55.0	Legal	Puget Sound	1.000
2023-05-09	19D	N	44.0	Sub-Legal	Puget Sound	1.000
2023-05-09	19D	N	53.0	Legal	Puget Sound	1.000
2023-05-09	19D	Y	67.5	Legal	NA	0.000
2023-05-09	19D	Y	44.0	Sub-Legal	Puget Sound	1.000
2023-05-09	19D	Y	41.0	Sub-Legal	Puget Sound	1.000
2023-05-09	19D	Y	43.0	Sub-Legal	Puget Sound	1.000
2023-05-09	19D	Y	50.5	Legal	Puget Sound	1.000
2023-05-09	19D	Y	59.0	Legal	Puget Sound	1.000
2023-05-09	19D	N	65.0	Legal	Puget Sound	1.000
2023-05-09	19D	N	63.0	Legal	Puget Sound	1.000
2023-05-09	19D	Y	48.0	Legal	Puget Sound	1.000
2023-05-09	19D	Y	49.0	Legal	Puget Sound	1.000
2023-05-09	19D	N	53.8	Legal	Puget Sound	1.000
2023-05-09	19D	Y	55.0	Legal	Puget Sound	1.000
2023-05-09	19D	N	46.5	Legal	Puget Sound	1.000
2023-05-09	19D	Y	58.0	Legal	Puget Sound	1.000
2023-05-09	19D	N	52.0	Legal	Puget Sound	1.000
2023-05-09	19D	N	51.2	Legal	Puget Sound	1.000
2023-05-09	19D	Y	77.0	Legal	Columbia River	1.000
2023-05-09	19D	Y	53.5	Legal	No sample	0.000
2023-05-09	19D	N	60.0	Legal	Puget Sound	1.000
2023-05-10	19D	Y	56.0	Legal	Puget Sound	1.000
2023-05-10	19D	Y	55.0	Legal	Puget Sound	1.000
2023-05-10	19D	N	69.5	Legal	Fraser Fall	1.000
2023-05-10	19D	Y	47.0	Legal	Puget Sound	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-05-10	19D	Y	46.0	Legal	Puget Sound	1.000
2023-05-10	19D	Y	57.5	Legal	Puget Sound	1.000
2023-05-10	19D	N	59.0	Legal	Puget Sound	1.000
2023-05-10	19D	N	56.0	Legal	Puget Sound	1.000
2023-05-10	19D	Y	63.0	Legal	Puget Sound	1.000
2023-05-10	19D	Y	69.0	Legal	Puget Sound	1.000
2023-05-10	19D	Y	41.0	Sub-Legal	NA	0.000
2023-05-10	19D	Y	70.8	Legal	Puget Sound	1.000
2023-05-10	19D	Y	65.0	Legal	Puget Sound	1.000
2023-05-10	19D	Y	55.9	Legal	Puget Sound	1.000
2023-05-10	19D	Y	42.0	Sub-Legal	Puget Sound	1.000
2023-05-10	19D	N	68.0	Legal	Puget Sound	1.000
2023-05-10	19D	Y	62.0	Legal	Puget Sound	1.000
2023-05-10	19D	Y	54.0	Legal	Puget Sound	1.000
2023-05-11	19D	Y	61.0	Legal	Puget Sound	1.000
2023-05-11	19D	Y	40.2	Sub-Legal	Puget Sound	1.000
2023-05-11	19D	Y	68.0	Legal	Puget Sound	1.000
2023-05-11	19D	Y	62.0	Legal	Puget Sound	1.000
2023-05-11	19D	Y	60.7	Legal	Puget Sound	1.000
2023-05-11	19D	Y	39.0	Sub-Legal	Puget Sound	1.000
2023-05-11	19D	Y	51.0	Legal	Puget Sound	1.000
2023-05-11	19D	N	60.0	Legal	Puget Sound	1.000
2023-05-11	19D	Y	54.0	Legal	Puget Sound	1.000
2023-05-11	19D	N	61.5	Legal	Puget Sound	1.000
2023-05-11	19D	Y	55.8	Legal	Puget Sound	1.000
2023-05-11	19D	Y	60.0	Legal	Puget Sound	1.000
2023-05-11	19D	N	63.0	Legal	Fraser Fall	1.000
2023-05-11	19D	Y	42.3	Sub-Legal	Puget Sound	1.000
2023-05-11	19D	N	40.0	Sub-Legal	Puget Sound	1.000
2023-05-11	19D	Y	57.5	Legal	Puget Sound	1.000
2023-05-11	19D	Y	30.0	Sub-Legal	Puget Sound	1.000
2023-05-11	19D	Y	43.0	Sub-Legal	Puget Sound	1.000
2023-05-11	19D	Y	42.0	Sub-Legal	Puget Sound	1.000
2023-05-11	19D	N	62.4	Legal	Puget Sound	1.000
2023-05-11	19D	N	43.0	Sub-Legal	Puget Sound	1.000
2023-05-11	19D	N	56.4	Legal	Puget Sound	1.000
2023-05-11	19D	N	44.0	Sub-Legal	Puget Sound	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-05-11	19D	Y	53.8	Legal	Puget Sound	1.000
2023-05-11	19D	Y	54.0	Legal	Puget Sound	1.000
2023-05-16	19D	N	40.0	Sub-Legal	Puget Sound	1.000
2023-05-16	19D	Y	49.0	Legal	Puget Sound	1.000
2023-05-16	19D	N	60.0	Legal	Puget Sound	1.000
2023-05-16	19D	Y	74.0	Legal	Puget Sound	1.000
2023-05-16	19D	Y	40.0	Sub-Legal	Puget Sound	1.000
2023-05-16	19D	N	48.0	Legal	Puget Sound	1.000
2023-05-17	19D	Y	59.0	Legal	Puget Sound	1.000
2023-05-17	19D	Y	42.0	Sub-Legal	Puget Sound	1.000
2023-05-17	19D	Y	74.0	Legal	Puget Sound	1.000
2023-05-17	19D	Y	61.0	Legal	Puget Sound	1.000
2023-05-17	19D	Y	68.0	Legal	Puget Sound	1.000
2023-05-17	19D	Y	59.0	Legal	Puget Sound	1.000
2023-05-17	19D	Y	54.0	Legal	Puget Sound	1.000
2023-05-17	19D	N	63.0	Legal	Puget Sound	1.000
2023-05-17	19D	N	66.0	Legal	SWVI	1.000
2023-05-17	19D	Y	49.0	Legal	Puget Sound	1.000
2023-05-17	19D	Y	60.0	Legal	Puget Sound	1.000
2023-05-17	19D	Y	52.5	Legal	Puget Sound	1.000
2023-05-17	19D	Y	71.0	Legal	Puget Sound	1.000
2023-05-17	19D	N	55.0	Legal	Puget Sound	1.000
2023-05-17	19D	Y	61.0	Legal	Puget Sound	1.000
2023-05-17	19D	N	45.0	Legal	Puget Sound	1.000
2023-05-17	19D	N	50.0	Legal	Puget Sound	1.000
2023-05-17	19D	Y	59.0	Legal	Puget Sound	1.000
2023-05-17	19D	Y	54.0	Legal	Puget Sound	1.000
2023-05-17	19D	Y	53.0	Legal	Puget Sound	1.000
2023-05-17	19D	Y	50.0	Legal	Puget Sound	1.000
2023-05-17	19D	Y	70.0	Legal	Puget Sound	1.000
2023-05-17	19D	Y	53.0	Legal	Puget Sound	1.000
2023-05-17	19D	Y	73.0	Legal	NA	0.000
2023-05-17	19D	Y	71.0	Legal	Puget Sound	0.999
2023-05-17	19D	Y	65.0	Legal	Puget Sound	1.000
2023-05-17	19D	Y	56.0	Legal	Puget Sound	0.958
2023-05-17	19D	Y	49.0	Legal	SWVI	1.000
2023-05-17	19D	Y	67.0	Legal	Puget Sound	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-05-17	19D	Y	51.0	Legal	Puget Sound	1.000
2023-05-18	19D	Y	50.0	Legal	Puget Sound	1.000
2023-05-18	19D	Y	60.0	Legal	Puget Sound	0.986
2023-05-18	19D	Y	45.0	Legal	Columbia River	1.000
2023-05-18	19D	Y	46.0	Legal	Puget Sound	1.000
2023-05-18	19D	Y	41.0	Sub-Legal	Puget Sound	1.000
2023-05-18	19D	N	63.0	Legal	Puget Sound	1.000
2023-05-18	19D	Y	49.0	Legal	Puget Sound	1.000
2023-05-18	19D	Y	54.0	Legal	Puget Sound	1.000
2023-05-18	19D	Y	58.0	Legal	Puget Sound	1.000
2023-05-23	19D	Y	59.0	Legal	Puget Sound	1.000
2023-05-23	19D	N	53.0	Legal	Puget Sound	1.000
2023-05-23	19D	Y	47.0	Legal	Puget Sound	1.000
2023-05-23	19D	Y	75.0	Legal	Puget Sound	1.000
2023-05-23	19D	Y	65.0	Legal	Puget Sound	1.000
2023-05-23	19D	Y	53.0	Legal	Puget Sound	1.000
2023-05-23	19D	Y	49.0	Legal	Puget Sound	1.000
2023-05-24	19D	Y	52.0	Legal	Puget Sound	1.000
2023-05-24	19D	Y	52.0	Legal	Puget Sound	1.000
2023-05-24	19D	Y	68.0	Legal	No sample	0.000
2023-05-24	19D	N	62.0	Legal	Puget Sound	1.000
2023-05-25	19D	Y	52.0	Legal	Puget Sound	1.000
2023-05-25	19D	Y	65.0	Legal	Puget Sound	1.000
2023-05-25	19D	Y	72.0	Legal	Puget Sound	1.000
2023-05-25	19D	Y	70.0	Legal	Puget Sound	1.000
2023-05-25	19D	Y	74.0	Legal	Puget Sound	1.000
2023-05-25	19D	Y	47.0	Legal	Puget Sound	1.000
2023-05-25	19D	Y	55.0	Legal	Puget Sound	1.000
2023-05-25	19D	N	87.0	Legal	Fraser Fall	1.000
2023-05-30	19D	Y	61.0	Legal	Puget Sound	1.000
2023-05-11	19E	N	64.0	Legal	Puget Sound	1.000
2023-05-11	19E	Y	36.0	Sub-Legal	Puget Sound	1.000
2023-05-11	19E	N	60.0	Legal	Puget Sound	1.000
2023-05-11	19E	N	79.0	Legal	Puget Sound	1.000
2023-05-11	19E	Y	53.0	Legal	Puget Sound	1.000
2023-05-16	19E	Y	52.0	Legal	Puget Sound	1.000
2023-05-16	19E	Y	52.0	Legal	Puget Sound	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-05-17	19E	Y	72.0	Legal	Puget Sound	1.000
2023-05-17	19E	Y	62.0	Legal	Puget Sound	1.000
2023-07-04	20DB	Y	32.0	Sub-Legal	No sample	0.000
2023-07-04	20DB	N	59.0	Legal	Columbia River	1.000
2023-07-05	20DB	N	42.0	Sub-Legal	Columbia River	1.000
2023-07-05	20DB	Y	63.0	Legal	Columbia River	1.000
2023-07-05	20DB	N	32.0	Sub-Legal	Coastal Oregon	1.000
2023-07-05	20DB	N	32.0	Sub-Legal	Puget Sound	1.000
2023-07-05	20DB	N	42.0	Sub-Legal	Fraser Summer 5.2	1.000
2023-07-05	20DB	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-06	20DB	N	42.0	Sub-Legal	Fraser Fall	1.000
2023-07-12	20DB	Y	40.0	Sub-Legal	Puget Sound	1.000
2023-07-12	20DB	Y	45.0	Legal	Columbia River	1.000
2023-07-12	20DB	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-07-12	20DB	N	36.0	Sub-Legal	Puget Sound	1.000
2023-07-12	20DB	Y	34.0	Sub-Legal	Puget Sound	1.000
2023-07-12	20DB	Y	61.0	Legal	Puget Sound	1.000
2023-07-12	20DB	N	39.0	Sub-Legal	Puget Sound	1.000
2023-07-12	20DB	Y	53.0	Legal	Puget Sound	1.000
2023-07-12	20DB	Y	32.0	Sub-Legal	Puget Sound	1.000
2023-07-12	20DB	N	81.0	Legal	Fraser Summer 5.2	1.000
2023-07-12	20DB	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-07-13	20DB	N	62.0	Legal	Fraser Fall	1.000
2023-07-13	20DB	Y	33.0	Sub-Legal	Puget Sound	1.000
2023-07-13	20DB	N	88.0	Legal	Fraser Summer 4.1	1.000
2023-07-13	20DB	Y	35.0	Sub-Legal	Columbia River	1.000
2023-07-13	20DB	N	35.0	Sub-Legal	NA	0.000
2023-07-13	20DB	Y	36.0	Sub-Legal	Puget Sound	1.000
2023-07-13	20DB	N	43.0	Sub-Legal	SWVI	1.000
2023-07-13	20DB	Y	41.0	Sub-Legal	Puget Sound	1.000
2023-07-13	20DB	N	47.0	Legal	Puget Sound	1.000
2023-07-13	20DB	Y	49.0	Legal	NA	0.000
2023-07-13	20DB	N	56.0	Legal	Puget Sound	1.000
2023-07-13	20DB	Y	49.0	Legal	Puget Sound	1.000
2023-07-13	20DB	N	47.0	Legal	Fraser Summer 4.1	1.000
2023-07-13	20DB	N	34.0	Sub-Legal	Puget Sound	1.000
2023-07-13	20DB	N	38.0	Sub-Legal	No sample	0.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-07-13	20DB	N	33.0	Sub-Legal	Puget Sound	1.000
2023-07-18	20DB	N	61.0	Legal	US Juan de Fuca	1.000
2023-07-18	20DB	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-07-18	20DB	N	32.0	Sub-Legal	Fraser Fall	1.000
2023-07-18	20DB	Y	37.0	Sub-Legal	Fraser Summer 4.1	1.000
2023-07-18	20DB	N	67.0	Legal	Fraser Fall	1.000
2023-07-18	20DB	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-07-18	20DB	N	76.0	Legal	Fraser Fall	1.000
2023-07-18	20DB	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-18	20DB	N	60.0	Legal	Puget Sound	1.000
2023-07-18	20DB	N	50.0	Legal	Puget Sound	1.000
2023-07-18	20DB	N	74.0	Legal	Fraser Summer 4.1	1.000
2023-07-19	20DB	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-19	20DB	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-19	20DB	Y	38.0	Sub-Legal	Puget Sound	1.000
2023-07-19	20DB	N	45.0	Legal	Puget Sound	1.000
2023-07-19	20DB	N	41.0	Sub-Legal	Fraser Spring 5.2	0.990
2023-07-19	20DB	Y	46.0	Legal	Puget Sound	1.000
2023-07-19	20DB	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-19	20DB	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-07-19	20DB	N	73.0	Legal	Fraser Summer 4.1	1.000
2023-07-19	20DB	N	72.0	Legal	Fraser Summer 4.1	1.000
2023-07-20	20DB	N	37.0	Sub-Legal	Puget Sound	1.000
2023-07-20	20DB	Y	36.0	Sub-Legal	Puget Sound	1.000
2023-07-20	20DB	Y	34.0	Sub-Legal	Puget Sound	1.000
2023-07-20	20DB	Y	56.0	Legal	Puget Sound	1.000
2023-07-20	20DB	Y	47.0	Legal	Puget Sound	1.000
2023-07-20	20DB	Y	37.0	Sub-Legal	ECVI Fall	1.000
2023-07-20	20DB	Y	41.0	Sub-Legal	Puget Sound	1.000
2023-07-20	20DB	Y	49.0	Legal	Puget Sound	1.000
2023-07-20	20DB	N	40.0	Sub-Legal	Fraser Fall	1.000
2023-07-20	20DB	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-25	20DB	Y	39.0	Sub-Legal	Puget Sound	1.000
2023-07-25	20DB	Y	36.0	Sub-Legal	Puget Sound	1.000
2023-07-25	20DB	Y	39.0	Sub-Legal	Puget Sound	1.000
2023-07-25	20DB	Y	32.0	Sub-Legal	Columbia River	1.000
2023-07-25	20DB	Y	39.0	Sub-Legal	Puget Sound	1.000

Catch Date	Creel Sub-Area	Adipose Fin Clipped	Length (cm)	Size Class	Stock ID (SMU)	Probability
2023-07-25	20DB	Y	62.0	Legal	Puget Sound	1.000
2023-07-25	20DB	N	37.0	Sub-Legal	Puget Sound	1.000
2023-07-26	20DB	N	81.0	Legal	Fraser Summer 4.1	1.000
2023-07-26	20DB	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-26	20DB	N	39.0	Sub-Legal	ECVI Fall	1.000
2023-07-26	20DB	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-26	20DB	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-26	20DB	N	74.0	Legal	Fraser Fall	1.000
2023-07-26	20DB	N	35.0	Sub-Legal	Puget Sound	1.000
2023-07-26	20DB	Y	34.0	Sub-Legal	Puget Sound	1.000
2023-07-26	20DB	Y	37.0	Sub-Legal	Puget Sound	1.000
2023-07-26	20DB	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-07-27	20DB	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-07-27	20DB	N	35.0	Sub-Legal	ECVI Fall	1.000
2023-07-27	20DB	N	33.0	Sub-Legal	Fraser Summer 4.1	1.000
2023-07-27	20DB	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-07-27	20DB	N	65.0	Legal	Fraser Summer 5.2	1.000
2023-07-27	20DB	Y	77.0	Legal	Columbia River	1.000
2023-07-27	20DB	Y	35.0	Sub-Legal	Puget Sound	1.000
2023-07-27	20DB	Y	33.0	Sub-Legal	Puget Sound	1.000