

M.E.S.S.S. Report - Rotation 8

Mainland Enhancement of Salmonoid Species Society

DFO Area 12 Stock Assessment 2025

Enumeration Period: November 01 - November 07, 2025

Stream Technicians: Robert Humenny, Leila Krichel, Chris Bennett

1a. 2025 Stream Escapement and Biosample Data

Stream	Date mm/dd	PK	CM	CO	JK	SK/ MH	20 Min	Morts PK/CM/ CO	Air Temp	H2O Temp	pH	DO mg/L
Hada	11/03	3/5	2/3	18/55	0/0	3/6	0	23/2/0	8.0	7.4	7.0	-
Wahkana	11/03	0/0	1/1	0/0	0/0	0/0	0	0/0/0	7.2	6.7	6.7	-
Viner	11/02	0/0	12/16	1/2	0/0	0/0	0	1/3/0	9.0	7.8	6.7	-
Shoal	11/04	0/0	2/2	3/5	0/0	0/0	0	0/0/1	9.5	7.9	6.1	-
Scott Cove	11/06	0/0	0/0	9/9	4/4	0/0	0	0/0/0	10.5	10.1	6.1	-
Maple	11/01	0/0	0/0	0/0	0/0	0/0	0	0/0/0	9.0	8.6	5.6	-
Carriden	11/07	0/0	0/0	0/0	0/0	0/0	0	0/0/0	7.5	9.3	6.8	-
Embley	11/07	0/0	0/0	0/0	0/0	0/0	0	0/0/0	9.0	9.8	6.0	-
Gilford	-	-	-	-	-	-	-	-	-	-	-	-
Simoom	11/02	0/0	0/0	0/0	0/0	0/0	0	0/0/0	8.0	8.0	6.6	-
Mt Worth	11/06	0/0	0/0	0/0	0/0	0/0	NA	0/0/0	10.2	8.3	6.4	-
B Proctor	11/04	0/0	0/0	45/47	25/25	0/0	NA	0/0/0	8.0	7.8	6.2	-
John Lewis	11/05	0/0	0/0	0/0	0/0	0/0	NA	0/0/0	13.0	8.1	5.9	-
Connector	11/06	0/0	0/0	2/4	0/0	0/0	NA	0/0/2	10.0	8.1	4.95	-
C Bennett	11/05	0/0	0/0	6/7	1/1	0/0	NA	0/0/0	11.5	8.6	6.1	-
Minihump	11/05	0/0	0/0	7/14	0/0	0/0	NA	0/0/2	10.0	9.1	6.1	-
Loose	11/05	0/0	0/0	5/7	0/0	0/0	NA	0/0/1	13.0	8.1	5.75	-

Table 1. Area 12 systems escapement and biosample data. Non-bold numbers represent observed salmon and bold numbers represent estimates factoring in observer efficiency. Abbreviations: Pink Salmon (PK), Chum (CM), Coho (CO), Jacks (JK), Sockeye (SK), 20 minute estuary survey (20 min)

1b. Escapement Records for Rotation #8

Year	2024				2023				2022			
Stream	Date	Pink	Chum	Coho	Date	Pink	Chum	Coho	Date	Pink	Chum	Coho
Wahkana	11/14	0/0	0/0	0/0	11/14	0/0	0/0	0/0	11/12	0/0	0/0	0/0
Hada	11/14	x	x	x	11/14	0/0	1/3	19/74	11/12	14/21	2/2	4/5
Viner	11/06	0/1	6/16	0/0	11/01	0/0	0/1	5/7	11/08	0/0	0/0	0/0
Shoal	11/07	0/0	0/2	0/0	11/07	0/0	0/1	0/0	11/06	0/0	0/0	0/0
Scott Cove	11/01	0/0	0/0	2	11/16	0/0	0/0	6/32	11/06	0/0	0/0	2/30
Embley	11/05	78/142	0/0	20/33	11/11	0/0	0/0	13/65	11/02	4/9	0/0	0/0
Carriden	11/05	0/1	0/0	2/3	10/18	0/0	0/0	0/0	10/18	0/0	0/0	0/0
Maple	11/01	0/0	0/0	0/0	11/08	0/0	0/0	0/1	11/09	0/0	0/0	0/0
Gilford	10/29	x	x	x	10/25	0/0	0/0	0/0	10/20	0/0	0/0	0/0
Simoom	11/06	0/0	0/0	0/0	10/29	0/0	0/0	0/0	10/19	0/0	0/0	1/1
Mt Worth	11/07	0/0	0/0	0/0	11/07	0/0	0/0	2/3	11/11	0/0	0/0	0/0
B Proctor	11/02	0/0	0/0	0/0	11/07	0/0	0/0	12/14	11/09	0/0	0/0	0/3

Table 2. Escapement records by MESSS from past rotation surveys spanning 2022-2024. Area 12 pink salmon spawn on a fixed two year cycle with a stronger even year, chum salmon run on a 3, 4 and 5 year cycle and coho salmon on a 3 year cycle, generally. *Surveys taken from different rotation reports to provide a better representation based on more similar dates.

M.E.S.S.S. 2025 Salmon Enumeration Program

Year	2021				2020				2019			
Stream	Date	Pink	Chum	Coho	Date	Pink	Chum	Coho	Date	Pink	Chum	Coho
Wahkana	11/10	0/0	0/2	0/0	11/10	0/0	0/0	0/0	11/04	0/0	1/2	0/0
Hada	11/10	0/0	0/2	2/7	11/10	0/0	0/0	5/6	11/04	0/0	12/17	2/2
Viner	11/07	0/0	2/13	0/0	11/02	0/0	1/3	0/0	11/02	0/0	13/26	0/0
Shoal	11/02	0/0	1/1	1/2	11/09	0/0	0/0	0/0	11/03	0/0	0/0	0/0
Scott Cove	11/07	0/0	0/0	0/0	11/09	0/0	0/0	0/0	11/02	0/0	0/0	0/0
Embley	10/30	0/0	0/2	0/0	11/01	0/0	0/0	0/0	11/06	0/0	0/0	0/0
Carriden	1-/30	0/0	0/0	0/0	11//01	0/0	0/0	0/0	11/06	0/0	0/0	0/0
Maple	11/08	0/0	0/0	0/0	11/11	0/0	0/0	0/0	09/30	0/0	0/0	0/0
Gilford	11/08	0/0	0/0	0/0	11//11	0/0	0/0	0/0	11/05	0/0	0/0	0/0
Simoom	10/04	0/0	0/0	2/4	11/05	0/0	0/0	0/0	09/25	0/0	0/0	0/0
Mt Worth	11/12	0/0	0/0	0/0	11/11	0/0	0/0	0/0	11/16	0/0	0/0	0/0
B Proctor	11/12	0/0	0/0	30/48	11/11	0/0	0/0	0/0	11/15	0/0	0/0	0/0

Table 3. Escapement records by MESSS from past rotation surveys spanning 2019-2021. Area 12 pink salmon spawn on a fixed two year cycle with a stronger even year, chum salmon run on a 3, 4 and 5 year cycle and coho salmon on a 3 year cycle, generally.

*Surveys taken from different rotation reports to provide a better representation based on more similar dates.

Year	2024			2023			2022		
Stream	Date	Minihump	Coho	Date	Minihump	Coho	Date	Minihump	Coho
John Lewis	11/13	0/0	5/21	11/09	0/0	0/0	11/11	0/0	0/0
Loose	11/01	0/0	4/6	11/01	0/0	0/0	11/07	0/0	0/0
Minihump	11/09	60/240	10/34	11/08	347/408	7/10	11/07	2/44	0/0
Connector	11/09	0/0	20/36	11/08	0/0	1/2	11/11	27/46	0/0
Chris Bennett	11/01	0/0	10/17	11/09	0/0	0/0	11/07	0/0	0/0

Year	2021			2020			2019		
Stream	Date	Minihump	Coho	Date	Minihump	Coho	Date	Minihump	Coho
John Lewis	11/01	2/3	2/4	11/12	0/0	0/0	11/05	0/0	1/1
Loose	11/01	0/0	0/0	11/12	0/0	0/0	11/05	0/0	0/0
Minihump	11/01	1290/1720	0/0	11/01	0/16	0/0	11/03	59/110	0/0
Connector	11/02	19/25	0/0	10/27	0/0	0/0	11/03	40/57	0/0
Chris Bennett	11/01	1/2	1/2	11/12	0/0	1/1	11/05	0/0	2/3

Table 4 and 5. Escapement records by MESSS from past rotation surveys spanning 2019-2024 for the Loose Lake system creeks. Streams hold Coho salmon which spawn on a 3 year cycle and Minihump (Kokanee), but not pink or chum.

2. Rotation Highlights

Weather:

- Overcast, light to heavy rain

Water Levels/Quality:

- High water in most creeks

Visibility:

- Low due to deeper faster running water

Notes:

- Final round of season
- Small late season chum run in Viner
- Large numbers of coho observed spawning in Billy Proctor Creek
- More coho observed spawning in Loose Lake creeks

3. Stream Enumeration Notes

Hada River

November 3, 2025

Enumerated by Robert Humenny, Leila Krichel



Photo 1. Riffles leading to waterfall in segment 3 of Hada.

Photo 2. Coho salmon in Hada.

Estuary Survey

- 8 seals, 1 eagle, 40 gulls, 1 kingfisher, 1 heron, 40 ducks, 11 mergansers
- Low tide, calm

River

- Water levels much lower compared to last survey, some spawning channels dry
- Base of waterfall still difficult to survey (lots of coho salmon holding here in the last 2-3 weeks)
- Coho salmon still spawning

Wahkana Creek

November 3, 2025

Enumerated by Robert Humenny, Leila Krichel



Photos 3 and 4. Water levels and clarity in Wahkana creek.

Estuary Survey

- 1 gull, 1 kingfisher
- High tide, rising

River

- 1 chum salmon spotted at the back of segment 1
- Water levels much lower since flood event in last round
- Water visibility relatively good

Viner River

November 2, 2025

Enumerated by Robert Humenny, Leila Krichel



Photo 5. Relatively high water in Viner.

Photo 6. Chum salmon in Viner.

Estuary Survey

- 1 seal, 18 gulls, 40 mallards
- High tide, falling

River

- 12 chum salmon observed in Viner--most look relatively fresh, potentially from a late fall run?
- 1 coho observed in segment 2 in back pool after riffles section

Shoal Creek

November 4, 2025

Enumerated by Robert Humenny, Leila Krichel



Photo 7. Coho mort observed in segment 3 of Shoal.

Photo 8. Chum salmon spawning in Shoal.

Estuary Survey

- 4 seals, 1 grebe, 120 gulls
- Mid-tide, falling. Windy.

River

- 3 live coho observed at the back of segment 3 of Shoal (near road)
- 2 chum salmon observed spawning ~200m up segment 1
- Visibility very low due to dark water--deep pools especially hard to survey.

Scott Cove Creek

November 6, 2025

Enumerated by Robert Humenny, Leila Krichel



Photo 9. Waterfall viewing at Scott Cove creek.

Estuary Survey

- 1 seal, 1 eagle, 1 heron, 2 gulls, 1 mallard, 2 kingfishers, 2 surf scoters
- Windy, rainy, mid-tide and fallings

River

- High flow at each waterfall viewing.
- 9 coho and 4 jacks jumping at waterfall # 2
- No salmon jumping at waterfall # 1

Maple Cove Creek

November 1, 2025

Enumerated by Robert Humenny, Leila Krichel



Photos 10 and 11. High water in Maple Cove creek.

Estuary Survey

- 1 eagle, 2 mergansers, 3 ducks
- High tide, rising

River

- High and dark water--low visibility.
- No fish spotted.
- Lots of siltation in creek.

Carriden Creek

November 7, 2025

Enumerated by Robert Humenny, Leila Krichel

No photo taken

Estuary Survey

- 1 seal, 11 gulls, 30 ducks, 1 kingfisher
- Low-tide and rising, heavy rain

River

- High water level
- No fish observed

Embley River

November 7, 2025

Enumerated by Robert Humenny, Leila Krichel



Photos 12 and 13. Flooded banks in Embley river.

Estuary Survey

- 1 grebe, 40 geese, 3 gulls, ducks
- Very rainy, high-tide and falling

River

- Water levels very high and flooding banks into forest, very low observer efficiency
- No salmon spotted

Gilford Creek

November 1, 2025

Not enumerated

No photo taken

Estuary Survey

- 2 seals, 20 gulls

River

- Did not walk creek--water levels very high.

Simoom Creek

November 2, 2025

Enumerated by Robert Humenny, Leila Krichel



Photos 14 and 15. Water levels and flow, and visibility in Simoom creek.

Estuary Survey

- 1 gull, 1 kingfisher
- High tide, rising, rainy

River

- No fish spotted in creek.

Mount Worthington Creek

November 6, 2025

Enumerated by Robert Humenny, Leila Krichel



Photos 16 and 17. Water levels and flow in Mt. Worthington creek.

River

- No fish observed in Mt. Worthington.

Billy Proctor Creek

November 4, 2025

Enumerated by Robert Humenny, Leila Krichel



Photos 18 and 19. Coho salmon spawning in BP creek.

River

- ~70 total coho salmon and jacks observed spawning throughout the creek (starting from decommissioned road down)
- Redds present.
- Visibility very good--creek narrow and shallow with clear water.
- Lots of spawning gravel in the creek, but becomes muddy and silty as the creek approaches the lake.

John Lewis Creek

November 5, 2025

Enumerated by Robert Humenny, Leila Krichel, Chris Bennett



Photos 20 and 21. Low water and high visibility in John Lewis.

River

- No salmon spotted. 1 dolly varden spotted.

Connector Creek

November 6, 2025

Enumerated by Robert Humenny, Leila Krichel



Photo 22. Coho jaw in Connector creek.

Photo 23. Dark water and high glare in creek.

River

- Visibility very low this round, especially in segment 1 (starting from road down to lake)
- 2 live coho observed spawning in segment 2

Chris Bennett Creek

November 5, 2025

Enumerated by Robert Humenny, Leila Krichel, Chris Bennett



Photo 24. Coho in CB creek.

Photo 25. Narrow channel in CB creek.

River

- 6 coho, 1 jack observed--all in first half of segment 2 (starting from the road)
- Water levels low, with medium visibility.

Minihump Creek

November 5, 2025

Enumerated by Robert Humenny, Leila Krichel, Chris Bennett



Photo 26. Coho mort found at first waterfall in Minihump creek.

Photo 27. Dark water in Minihump creek.

River

- 7 live coho observed.
- Minihumps still spawning in creek.
- Very low visibility--dark water, high glare.

Loose Creek

November 5, 2025

Enumerated by Robert Humenny, Leila Krichel, Chris Bennett



Photo 28. Dark / deep pool at the beginning of Loose creek, near road.

Photo 29. Spawning channel in Loose creek.

River

- Low visibility in deep pools.
- Coho observed for first time this season.

4. End Of Season Additional Enumerations**Enumeration Period:** November 11 - November 16, 2025

Stream	Date mm/dd	PK	CM	CO	JK	SK/M H	20 Mi n	Morts PK/CM/CO	Air Tem p	H2O Temp	pH	DO mg/L
Simoom	11/13	0/0	0/0	0/0	0/0	0/0	0	0/0/0	8.0	7.8	6.1	-
B Proctor	11/11	0/0	0/0	27/28	31/31	0/0	NA	0/0/12	12.0	8.5	6.25	-
John Lewis	11/16	0/0	0/0	0/0	0/0	0/0	NA	0/0/0	11.0	8.5	5.45	-
Connector	11/15	0/0	0/0	5/10	0/0	0/0	NA	0/0/4	8.0	7.5	5.15	-
C Bennett	11/16	0/0	0/0	2/10	0/0	0/0	NA	0/0/0	11.0	8.6	5.95	-
Minihump	11/15	0/0	0/0	20/40	2/2	43/215	NA	0/0/1	8.0	8.3	6.26	-
Loose	11/16	0/0	0/0	1/4	0/0	0/0	NA	0/0/2	11.0	8.1	5.6	-

Table 1. Area 12 systems escapement and biosample data. Non-bold numbers represent observed salmon and bold numbers represent estimates factoring in observer efficiency. pH meter/thermometer forgotten for Carriden. No biosample taken at Mt. Worthington Abbreviations: Pink Salmon (PK), Chum (CM), Coho (CO), Jacks (JK), Sockeye (SK), 20 minute estuary survey (20 min)

Simoom Creek

November 13, 2025

Enumerated by Robert Humenny, Leila Krichel

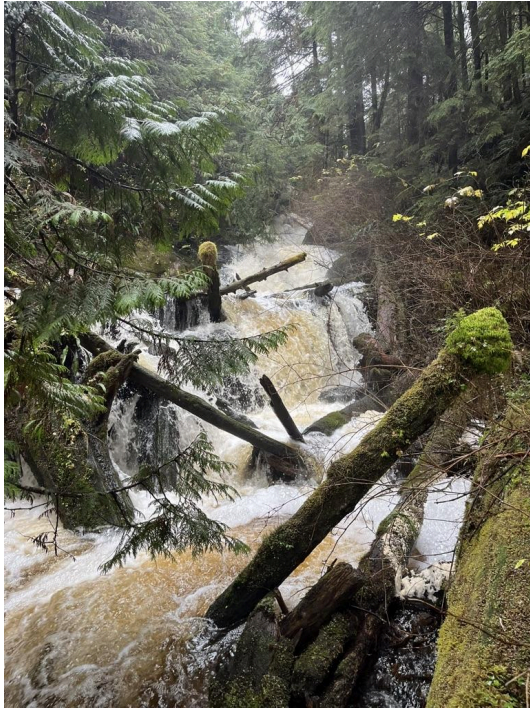


Photo 30. Waterfall at the end of segment 1.

Photo 31. Simoom lake.

Estuary Survey

- 1 grebe, 10 surf scooters, 10 buffelheads

River

- High water levels
- No salmon spotted

Billy Proctor Creek

November 11, 2025

Enumerated by Robert Humenny, Leila Krichel



Photo 32. 4 coho salmon spawning in the creek.

Photo 33. Coho salmon mort.

River

- High visibility
- 12 coho morts
- 27 coho and 31 jacks observed

John Lewis Creek

November 16, 2025

Enumerated by Robert Humenny, Leila Krichel



Photo 34. Water levels in John Lewis.

River

- Lower water levels
- No salmon spotted

Connector Creek

November 15, 2025

Enumerated by Robert Humenny, Leila Krichel



Photo 35. Waterfall at the end of segment 2.

Photo 36. Water flow in segment 1 of Connector creek.

River

- Lower water levels, but dark water.
- 4 coho morts
- 5 live coho observed--all near the lake.

Chris Bennett Creek

November 16, 2025

Enumerated by Robert Humenny, Leila Krichel

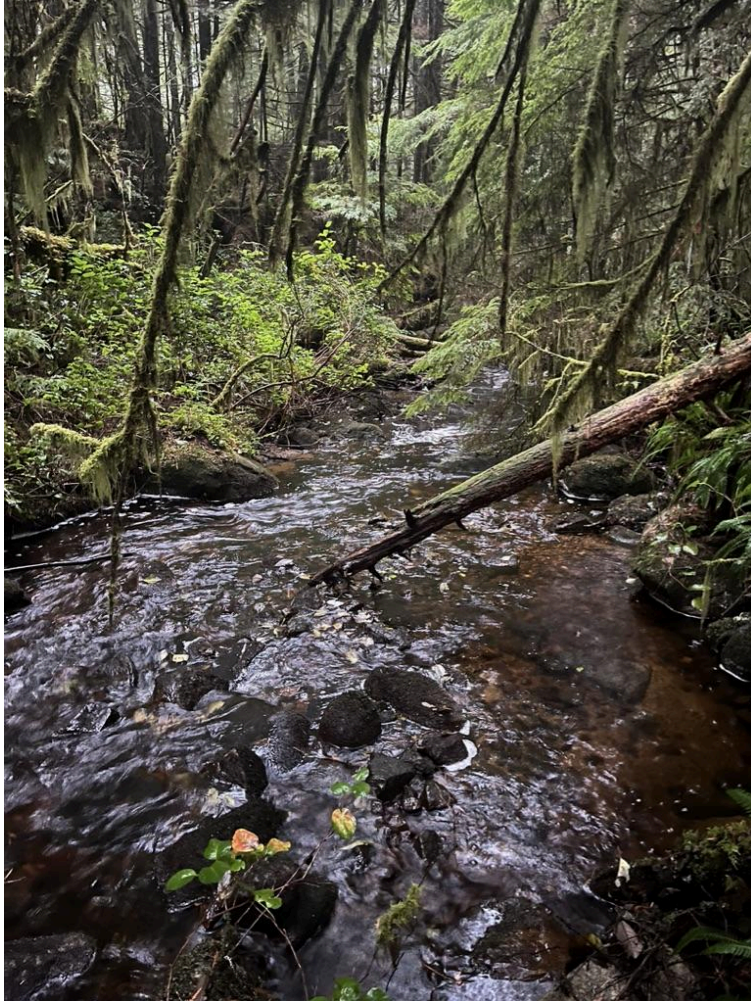


Photo 37. Water levels in CB creek.

River

- Very dark, heavy rain--visibility was very poor.
- Normal water levels
- 2 coho observed

Minihump Creek

November 15, 2025

Enumerated by Robert Humenny, Leila Krichel



Photo 30. Coho salmon on spawning gravel under bridge.

River

- Dark water, lots of woody debris for fish to hide under, low observer efficiency
- Normal water levels
- 43 minihumps observed
- 1 coho mort
- 20 coho and 2 jacks observed
- Coho observed spawning in gravel by bridge

Loose Creek

November 16, 2025

Enumerated by Robert Humenny, Leila Krichel



Photos 30. Water levels in Loose creek, above the road.

River

- Heavy rain, normal water levels
- 2 coho morts
- 1 live coho found in tributary