

M.E.S.S.S. Report - Rotation 6
Mainland Enhancement of Salmonoid Species Society
DFO Area 12 Stock Assessment 2026

Enumeration Period: October 04, 2026 - October 10, 2026

Stream Technicians: Robert Humenny, Leila Krichel

1a. 2026 Stream Escapement and Biosample Data

Table 1. Area 12 systems escapement and biosample data. Non-bold numbers represent observed salmon counts. Bold numbers represent estimates factoring in observer efficiency. Abbreviations: Pink (PK), Chum (CM), Coho (CO), Jacks (JK), Sockeye (SK), Minihump (MH), 20 minute estuary survey (jumpers observed / school size of salmon). ***pH and DO metres are not providing reliable measurements.**

Stream	Date	PK	CM	CO	JK	SK	MH	Morts (PK/CM/CO)	20 Min (jumpers / school size)	Air Temp	H2O Temp	pH	DO mg/L
Embley	Oct. 04	34069 / 41701	46 / 79	126 / 254	0	1 / 1		405 / 5 / 0	0 / NA	14.5	15.1		
Minihump	Oct. 05	0	0	0	0	0	176 / 704	0 / 0 / 0		18.2	15.3		
Connector	Oct. 05	0	0	0	0	0	0	0 / 0 / 0		18.2	15.3		
Maple Cove	Oct. 06	46 / 65	0	0	0	0		9 / 0 / 0	0 / 1	17.1	13.3		
Shoal	Oct. 06	17 / 33	43 / 77	0	0	0		12 / 12 / 0	0 / NA	NA	13.8		
Billy Proctor	Oct. 06	0	0	0	0	0		0 / 0 / 0		17.2	12.3		
Hada	Oct. 07	25385 / 29881	322 / 363	604 / 671	5	9 / 10		7046 / 128 / 0	0 / NA	16.8	12.2		
Wahkana	Oct. 07	38 / 63	30 / 38	0	0	0		5 / 2 / 0	0 / NA	15.7	12.1		
Viner	Oct. 08	125 / 156	2287 / 2864	47 / 77	0	3 / 4		48 / 790 / 1	0 / NA	15	12		
Carriden	Oct. 09	960 / 1280	0	0	0	0		62 / 0 / 0	0 / NA	13.1	14.0		
Scott Cove	Oct. 10			4	0			0 / 0 / 0	0 / NA	16.3	15.6		

2. Rotation Highlights

Weather:

- Some rain at the beginning of the rotation (Oct. 04), but not enough to significantly raise water levels.

Water Levels/Quality:

- Water levels have been higher than in past weeks, but rivers have generally had low water.

Visibility:

- Adequate, in part due to low water.

Notes:

- Started counting Loose Lake tributaries this week. Coho have not come up yet, likely waiting for more rain.

Embley River

October 04, 2026

Enumerated by Rob Humenny, Leila Krichel



Photos 1 and 2: Pink salmon at Embley.

Estuary Survey

- No salmon observed
- Salmon adjacent species: 2 seals

River Notes

- Most pinks counted were in segment 6 of the creek, towards Huaskin lake, along with coho.
- Encountered grizzly bear fishing for salmon in the river.

Embley River

October 04, 2026

Enumerated by Rob Humenny, Leila Krichel

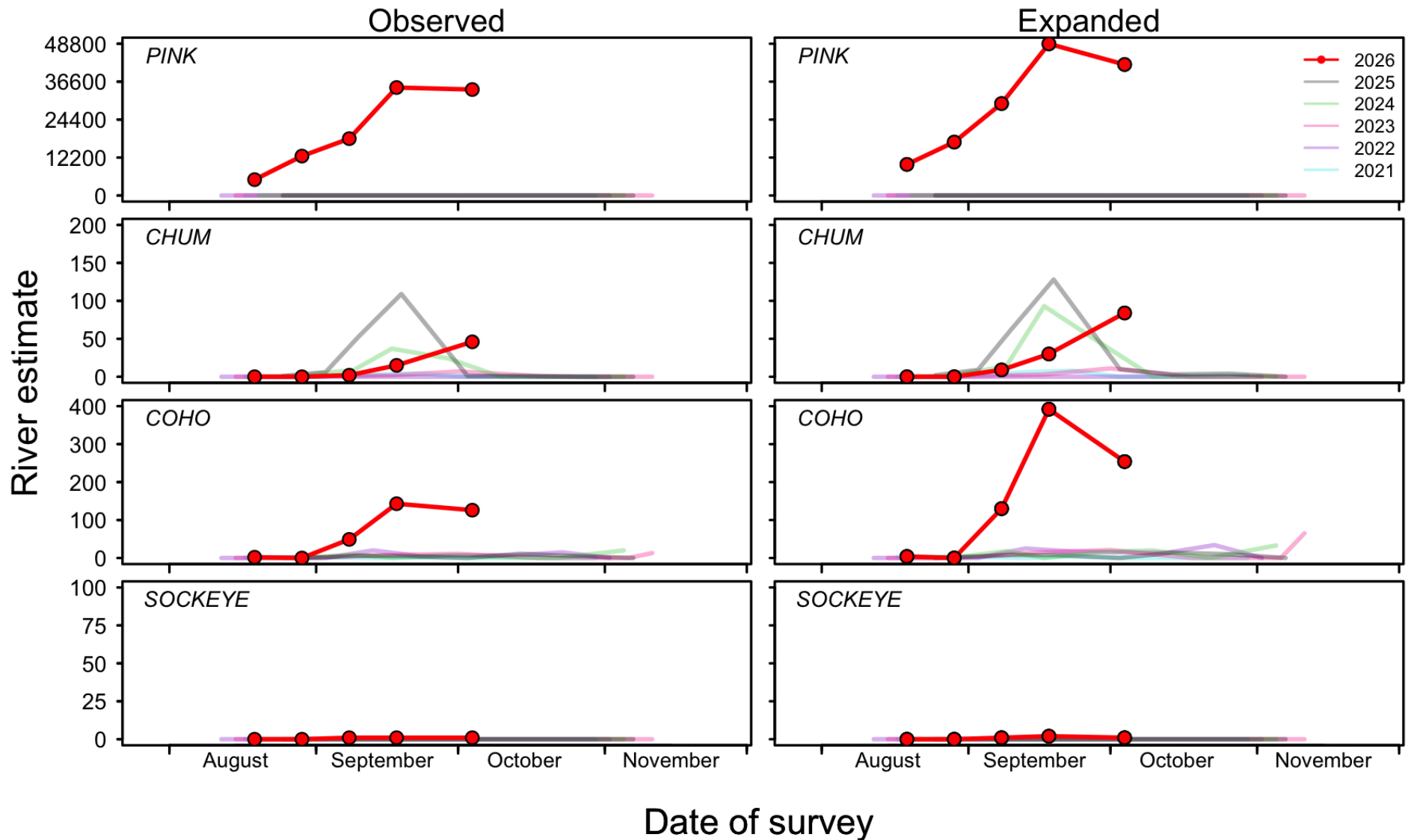


Figure: First column shows observed counts of each salmon species in Embley River. The second column shows the expanded count after accounting for observer efficiency, morts, and jacks. Coloured lines represent observations in the last five years over the entire season and the red data points are observations up to date from this year. Note the different y-axis scales for each species. ***Embley is one rotation behind due to inadequate visibility in rotation 5.**

Minihump Creek - Loose Lake tributary

October 05, 2026

Enumerated by Rob Humenny, Leila Krichel



Photo 1: Minihump under the bridge.

River Notes

- Starting to see minihumps enter the creek. No coho yet.

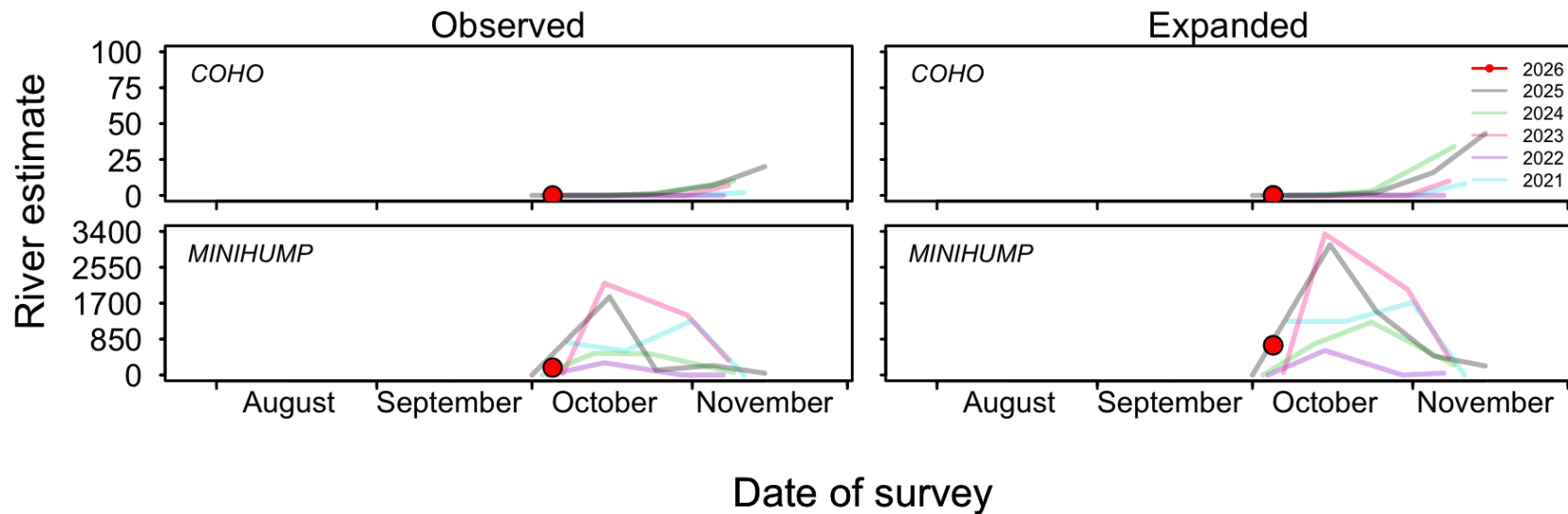


Figure: First column shows observed counts of each salmon species in Minihump creek. The second column shows the expanded count after accounting for observer efficiency, morts, and jacks. Coloured lines represent observations in the last five years over the entire season and the red data points are observations up to date from this year. Note the different y-axis scales for each species.

Connector Creek - Loose Lake tributary

October 05, 2026

Enumerated by Rob Humenny, Leila Krichel

River Notes

- No fish observed in the creek. Low water.

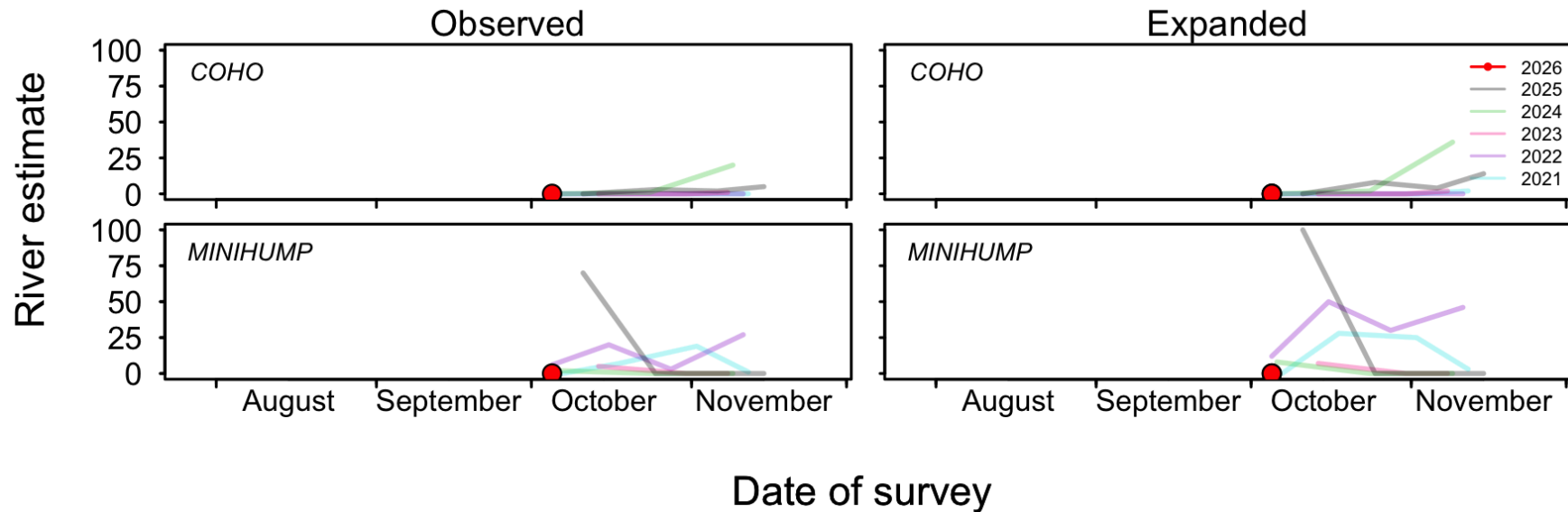


Figure: First column shows observed counts of each salmon species in Connector creek. The second column shows the expanded count after accounting for observer efficiency, morts, and jacks. Coloured lines represent observations in the last five years over the entire season and the red data points are observations up to date from this year. Note the different y-axis scales for each species.

Billy Proctor Creek - Shoal tributary

October 06, 2026

Enumerated by Rob Humenny, Leila Krichel

River Notes

- No fish observed in the creek. Low water.

Maple Cove Creek

October 06, 2026

Enumerated by Rob Humenny, Leila Krichel



Photos 1 and 2: Pink salmon at Maple Cove creek.

Estuary Survey

- 1 pink salmon observed - male spawner.
- Salmon adjacent species: 1 dipper, 40 gulls

River Notes

- Most pinks observed were in segment 1, with most fish spawning near the mouth of the river, some in the estuary / tidal area of the river.

Maple Cove Creek

October 06, 2026

Enumerated by Rob Humenny, Leila Krichel

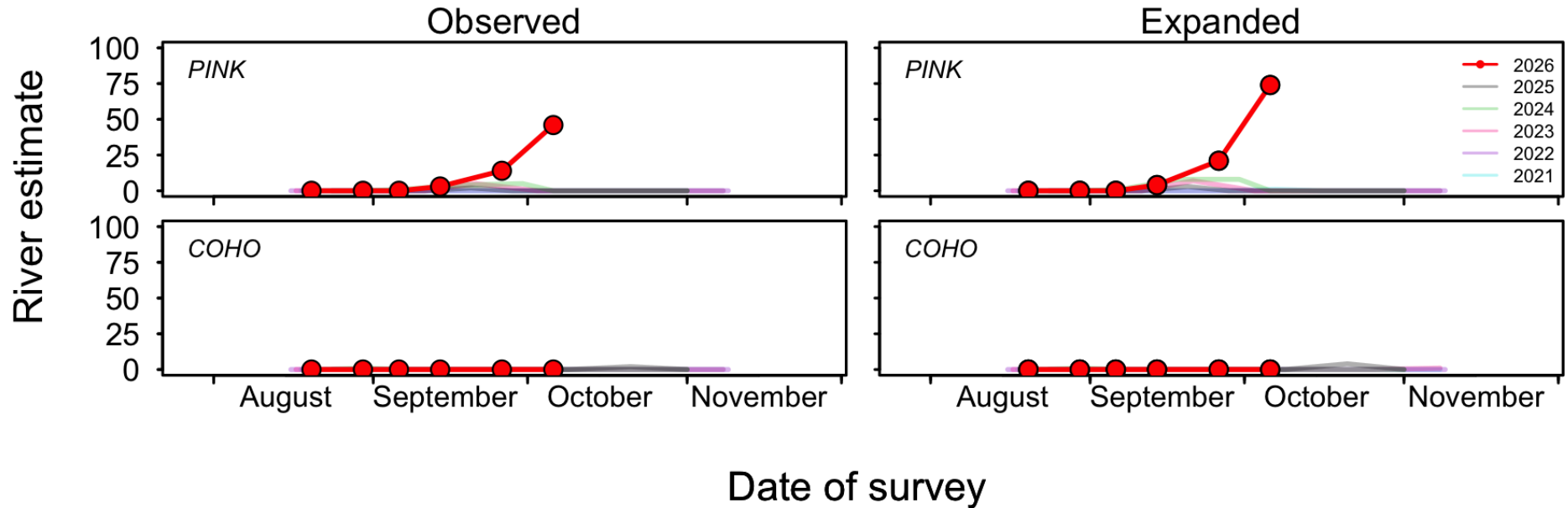


Figure: First column shows observed counts of each salmon species in Maple Cove creek. The second column shows the expanded count after accounting for observer efficiency, morts, and jacks. Coloured lines represent observations in the last five years over the entire season and the red data points are observations up to date from this year. Note the different y-axis scales for each species.

Shoal Harbour Creek

October 06, 2026

Enumerated by Rob Humenny, Leila Krichel



Photos 1: Chum salmon in Shoal.

Photos 2: Dark water.

Estuary Survey

- Salmon adjacent species: 5 seals, 2 herons, 100 gulls

River Notes

- Chum salmon were observed spawning throughout segments 1 and 2.
- Dark water made it difficult to survey the creek, especially in segment 3. Potentially missing some coho.

Shoal Harbour Creek

October 06, 2026

Enumerated by Rob Humenny, Leila Krichel

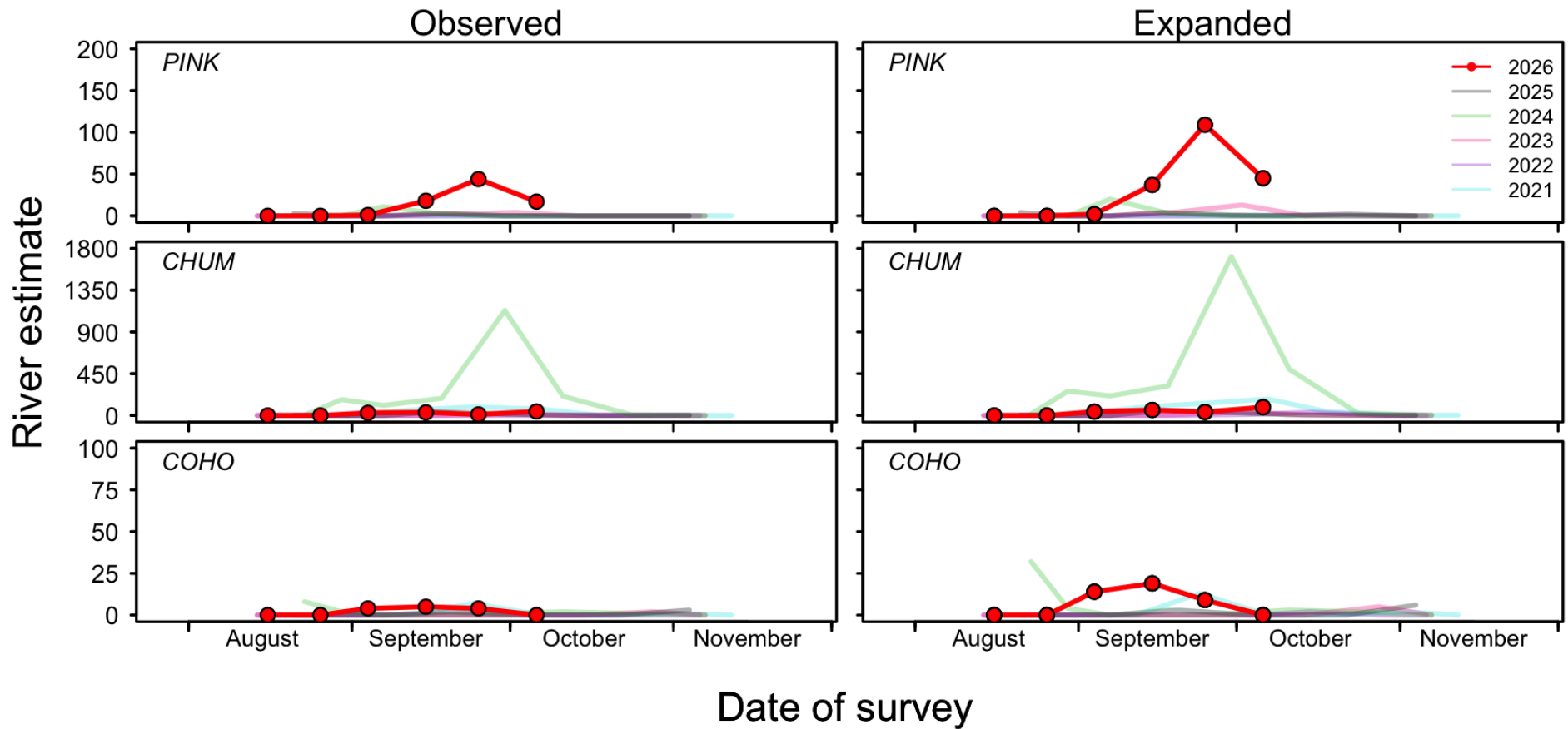


Figure: First column shows observed counts of each salmon species in Shoal creek. The second column shows the expanded count after accounting for observer efficiency, morts, and jacks. Coloured lines represent observations in the last five years over the entire season and the red data points are observations up to date from this year. Note the different y-axis scales for each species.

Hada River

October 07, 2026

Enumerated by Rob Humenny, Leila Krichel



Photo 1: Pink morts.

Photo 2: Spawning chum.

Estuary Survey

- 4 salmon morts
- Salmon adjacent species: 1 black bear

River Notes

- Many Coho holding in pool below waterfall
- Currently in peak spawn for pink and chum

Hada River

October 07, 2026

Enumerated by Rob Humenny, Leila Krichel

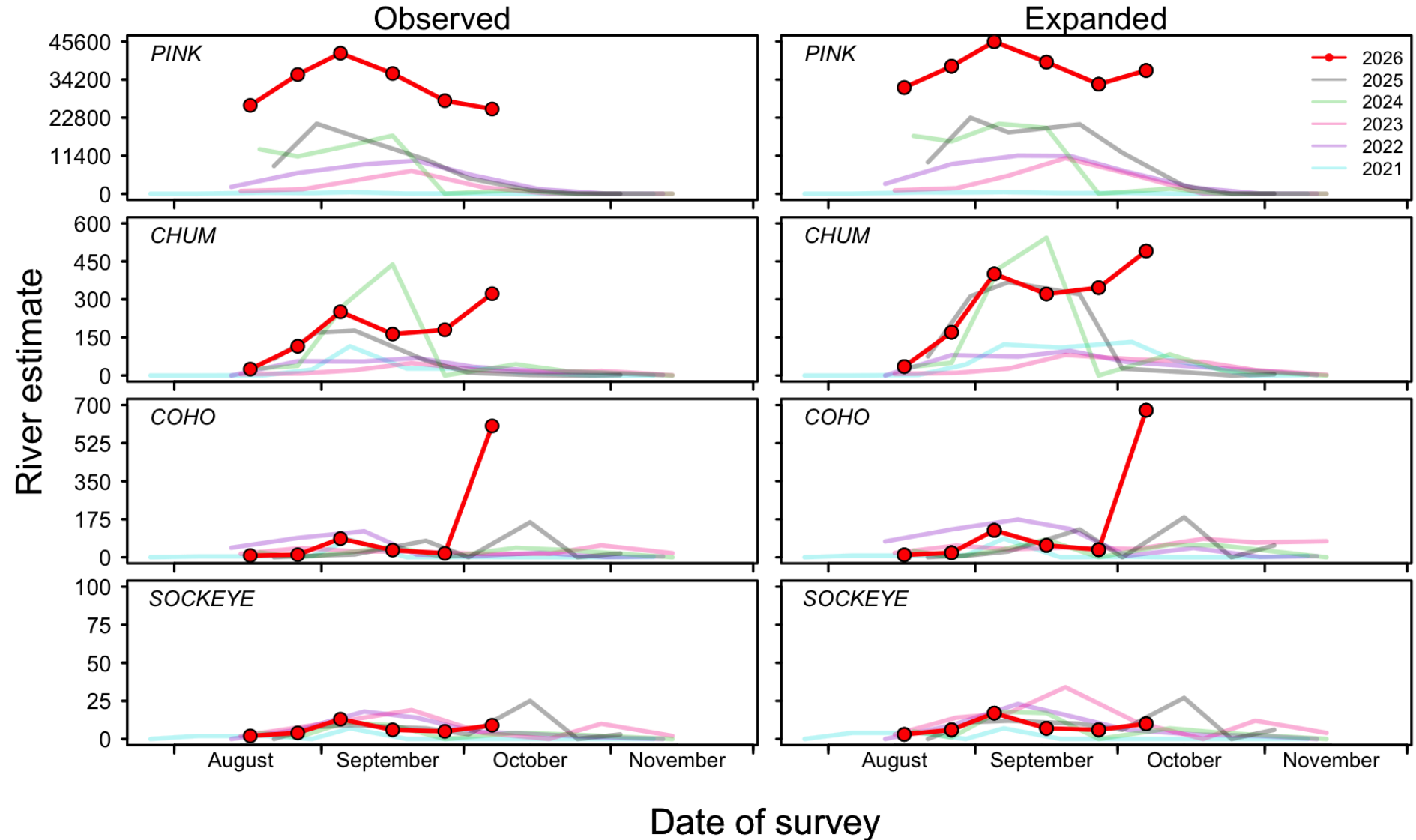


Figure: First column shows observed counts of each salmon species in Hada River. The second column shows the expanded count after accounting for observer efficiency, morts, and jacks. Coloured lines represent observations in the last five years over the entire season and the red data points are observations up to date from this year. Note the different y-axis scales for each species.

Wahkana Creek

October 07, 2026

Enumerated by Rob Humenny, Leila Krichel



Photo 1: Spawning chum

Estuary Survey

- Salmon adjacent species: 1 kingfisher

River Notes

- Most chum (34) observed in Wahkana creek since 2018 (59).
- Some good spawning gravel in Wahkana creek. Chum were mainly spawning about 500m from the mouth of the river.

Wahkana Creek

October 07, 2026

Enumerated by Rob Humenny, Leila Krichel

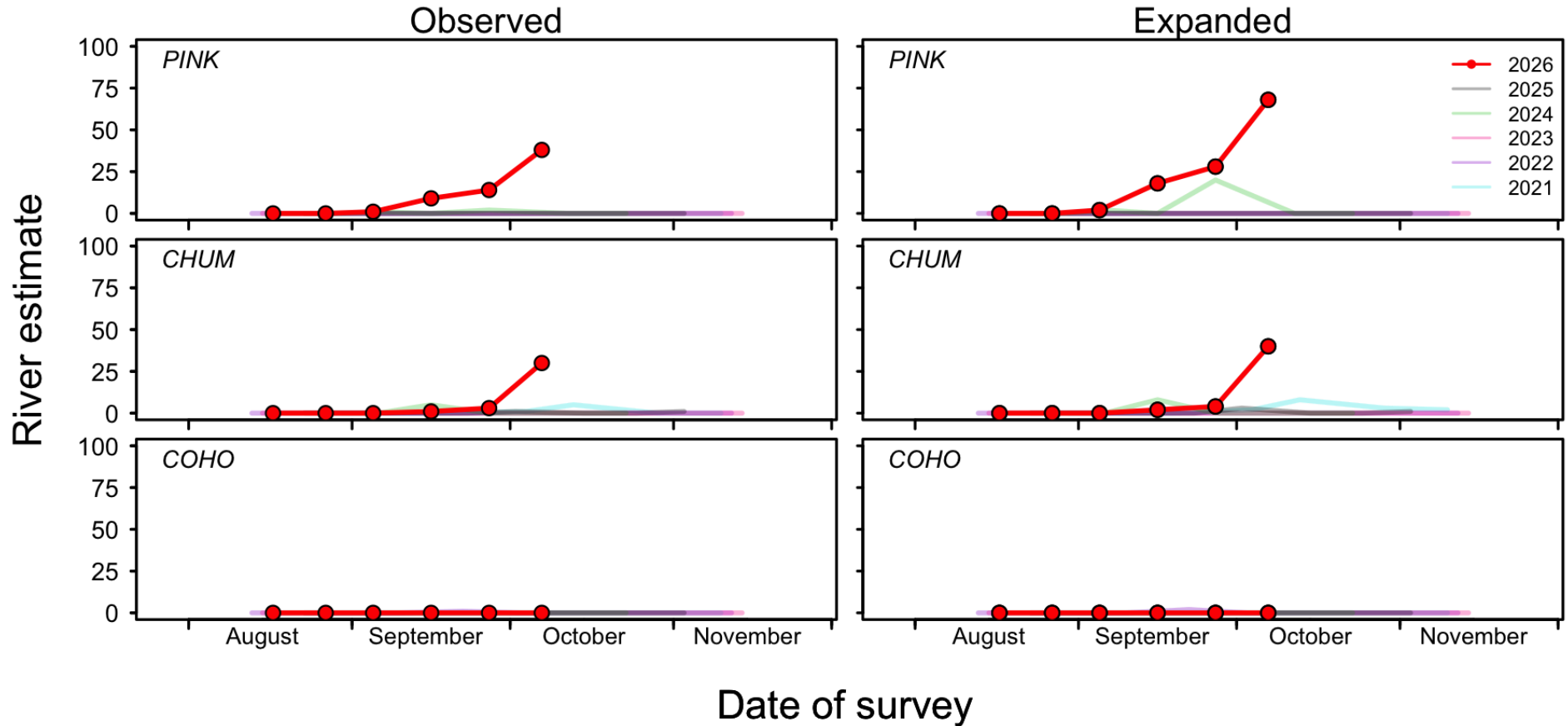


Figure: First column shows observed counts of each salmon species in Wahkana creek. The second column shows the expanded count after accounting for observer efficiency, morts, and jacks. Coloured lines represent observations in the last five years over the entire season and the red data points are observations up to date from this year. Note the different y-axis scales for each species.

Viner River

October 08, 2026

Enumerated by Rob Humenny, Leila Krichel



Photo 1: Dead chum salmon eggs

Photo 2: School of spawning chum salmon.

Estuary Survey

- 25 chum morts
- Salmon adjacent species: 2 eagles, 1 kingfisher, 30 mallards, 50 gulls

River Notes

- Still lots of chum salmon in the river, with some new fish entering the river over the past week.
- Almost all pink and chum salmon were spawning this week.
- Chum salmon were spawning past the bridge, almost 3km from the mouth of Viner.
- Decent number of coho holding in deep pool after Viner cascades, part-way through segment 2.

Viner River

October 08, 2026

Enumerated by Rob Humenny, Leila Krichel

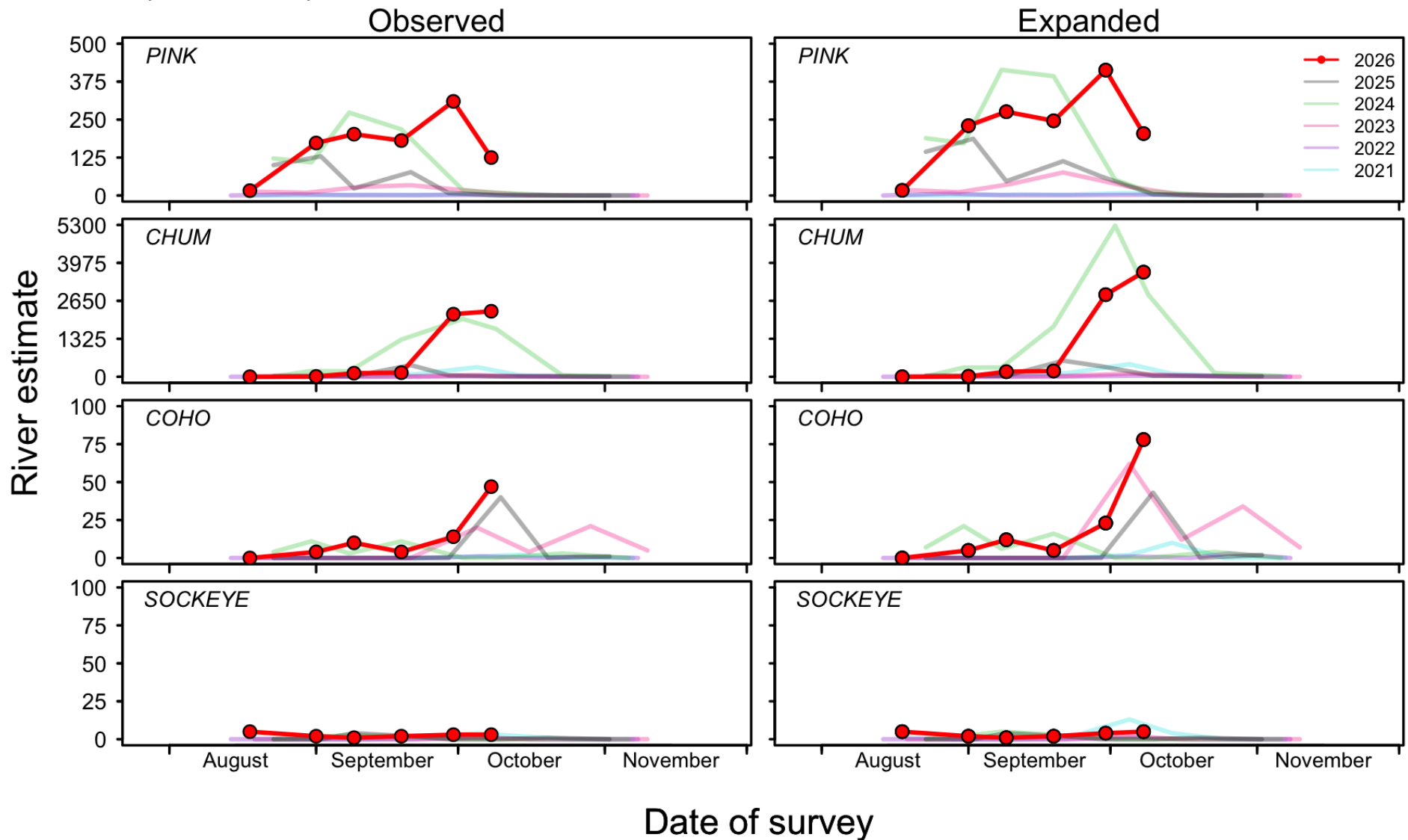


Figure: First column shows observed counts of each salmon species in Viner River. The second column shows the expanded count after accounting for observer efficiency, morts, and jacks. Coloured lines represent observations in the last five years over the entire season and the red data points are observations up to date from this year. Note the different y-axis scales for each species.

Carriden Creek

October 09, 2026

Enumerated by Rob Humenny, Leila Krichel

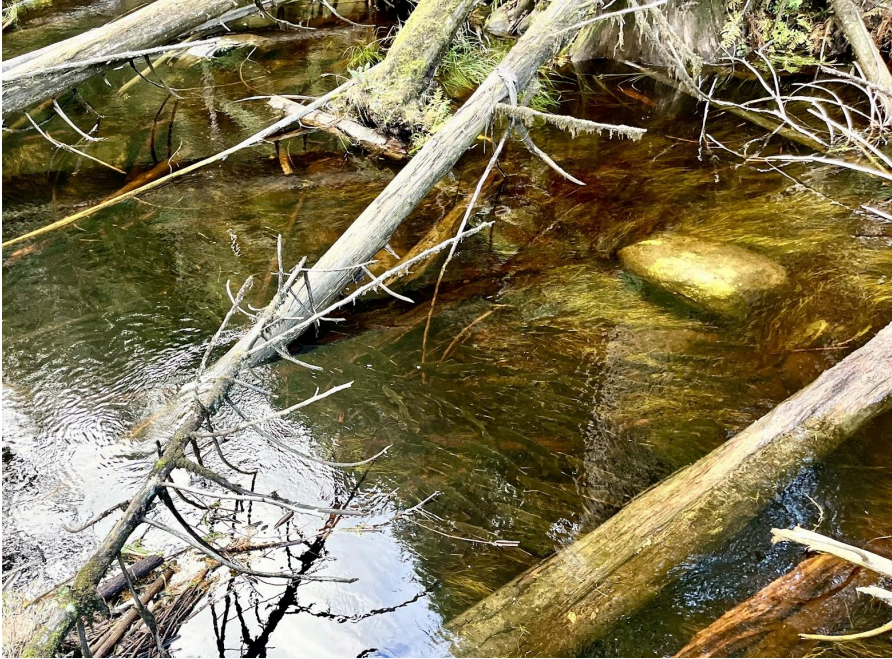


Photo 1: Hundreds of pink salmon past the log jam at Carriden creek.

Estuary Survey

- Salmon adjacent species: 1 kingfisher, 1 seal

River Notes

- Second surge of pink salmon arrived this rotation--lots of new fish. Some fish were spawning.
- With higher water, large school of pink salmon (~500) were able to make it past the log jam, 600m up from the mouth of the river. Some spawning gravel, but creek starts to get swampy.

Carriden Creek

October 09, 2026

Enumerated by Rob Humenny, Leila Krichel

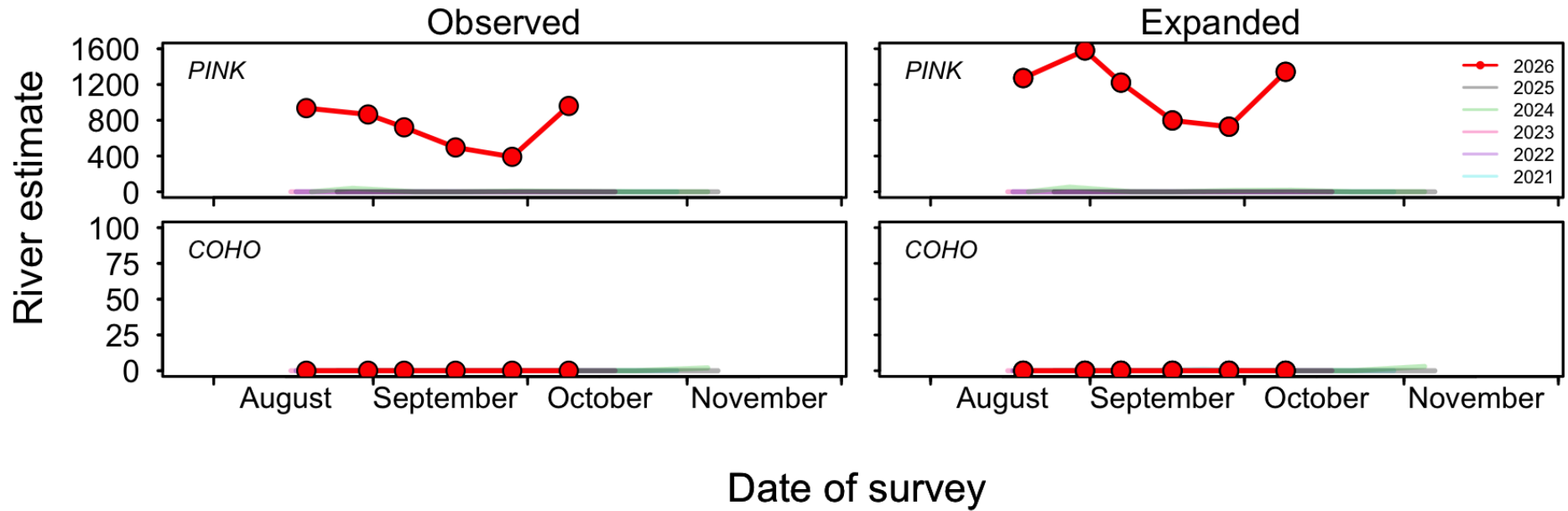


Figure: First column shows observed counts of each salmon species in Carriden creek. The second column shows the expanded count after accounting for observer efficiency, morts, and jacks. Coloured lines represent observations in the last five years over the entire season and the red data points are observations up to date from this year. Note the different y-axis scales for each species.

Scott Cove Creek

October 10, 2026

Enumerated by Rob Humenny, Leila Krichel

Estuary Survey

- No jumpers in the estuary. Likely most have gone up the river.
- Salmon adjacent species: 1 kingfisher, 1 mallard, 15 gulls

River Notes

- Slightly higher water levels after rainfall.
- Not many salmon jumping at the waterfalls. Most likely holding in Loose Lake at this point.

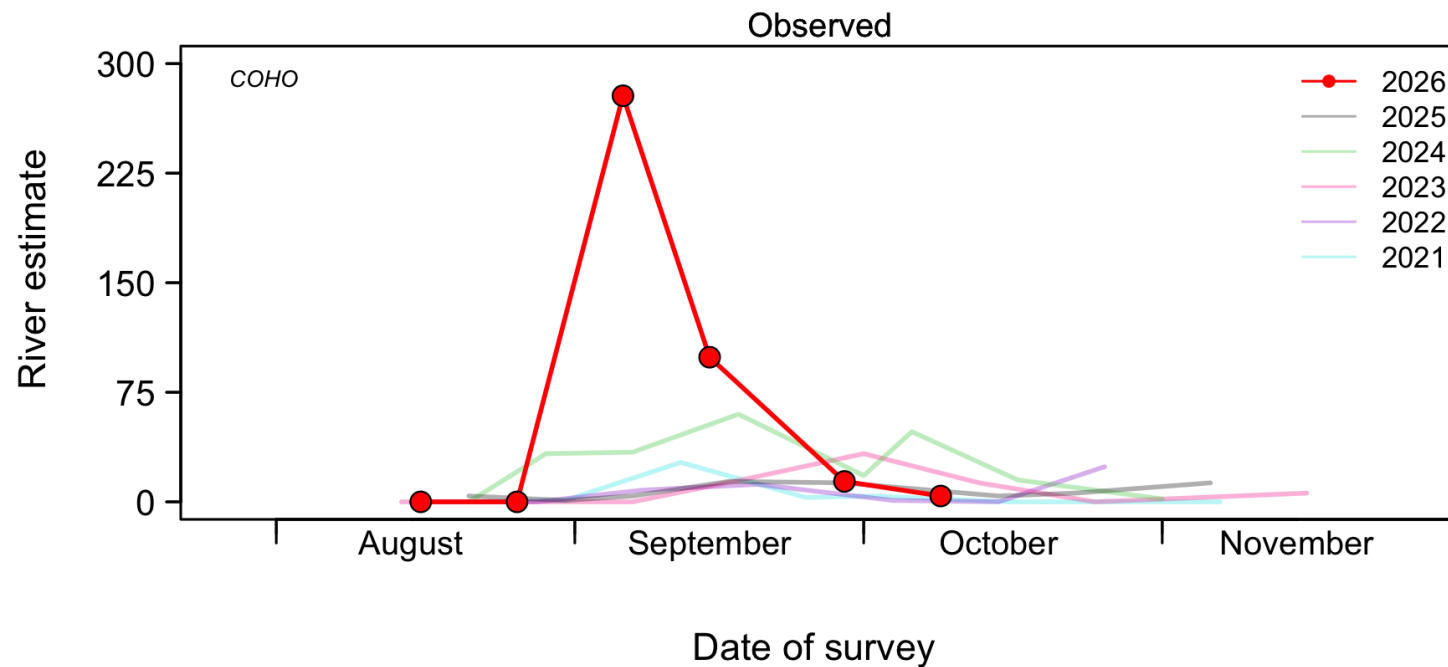


Figure: Observed waterfall counts of coho salmon in Scott Cove creek. Coloured lines represent observations in the last five years over the entire season and the red data points are observations up to date from this year.