M.E.S.S.S. Report - Rotation 7

Mainland Enhancement of Salmonoid Species Society
DFO Area 12 Stock Assessment 2026

Enumeration Period: October 15, 2026 - October 22, 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 values from litmus strips. The thermometer broke at Simoom.

Stream	Date	PK	CM	CO	JK	SK	Morts (PK/CM/CO)	20 Min (jumpers/ school size)	Air Temp	H2O Temp	pH
Embley	Oct. 15	11671 / **32914**	1/ **5**	82 / **395**	0	0 / **0**	173 / 5 / 0	0 / NA	12.6	13.4	
Shoal	Oct. 16	2/**6**	10 / **20**	1 / **2**	0	0	10 / 9 / 0	0 / NA	15.3	12.1	
Mt. Worthington	Oct. 16	0	0	0	0	0	0 / 0 / 0		15.3	12.1	
Maple Cove	Oct. 17	6 / **12**	0	0	0	0	5 / 0 / 0	0 / NA	13.5	11.2	
Billy Proctor	Oct. 17	0	0	0	1	0	0 / 0 / 0		13.5	11.1	
Carriden	Oct. 18	694 / **1157**	0	0	0	0	172 / 0 / 0		14	13.4	
Simoom	Oct. 18	0	0	0	0	0	0 / 0 / 0	0 / NA	15.9		
Wahkana	Oct. 19	0	3 / **6**	1 / **2**	0	0	4 / 10 / 0	0 / NA			4.7
Hada	Oct. 19	2586 / **3634**	94 / **126**	187 / **237**	0	1 / **2**	2664 / 80 / 0	0 / NA			4.7
Viner	Oct. 20	11 / **14**	113 / **135**	101 / **119**	0	0	36 / 1373 / 1	0 / NA			4.5
Scott Cove	Oct. 21			4	1		0 / 0 / 0	0 / NA			4.4

Table 2. Loose Lake watershed escapement and biosample data. Non-bold numbers represent observed salmon counts. Bold numbers represent estimates factoring in observer efficiency. Abbreviations: Coho (CO), Jacks (JK), Sockeye (SK). All sockeye observed in this system are minihumps.

Stream	Date	CO	JK	SK (Minihump)	Morts (CO/SK)	Air Temp	H2O Temp	pH
Minihump Creek	Oct. 21	0	0	1970 / **3283**	0 / 2			4.5
Connector	Oct. 21	0	0	48 / **80**	0 / 0			4.5
Chris Bennett	Oct. 22	0	0	0	0 / 0			4.5
Loose	Oct. 22	0	0	0	0 / 0			4.5
John Lewis	NA							

2. Rotation Highlights

Weather:

- Mostly dry for the duration of the rotation, but some rain before the start (Oct 14)

Water Levels/Quality:

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

Visibility:

- Adequate

Notes:

- Significant drop in chum for Viner, and in pink for Hada
- Pink salmon in Carriden and Embley still plentiful
- 6 grizzly bears spotted in Embley

Embley River

October 15, 2026

Enumerated by Rob Humenny, Leila Krichel







Photo 1: Pink salmon spawning on hand-placed gravel about 2150m up the river.
Photo 2: Final bridge before reaching Huaskin lake (at 4000m). Thousands of pink salmon in the pool just beyond this bridge.
Photo 3: Pink and coho salmon in pool before Modular Bridge.

Estuary Survey

- No salmon observed
- Salmon adjacent species: 3 Grizzly bears, 10 gulls, 3 mergansers

River Notes

- Still lots of fish in the river. Most of them are located further back in the river.
- Limited visibility due to higher water.
- Encountered 3 grizzly bears in the river and 3 more in the estuary.

Embley River

October 15, 2026
Enumerated by Rob Humenny, Leila Krichel

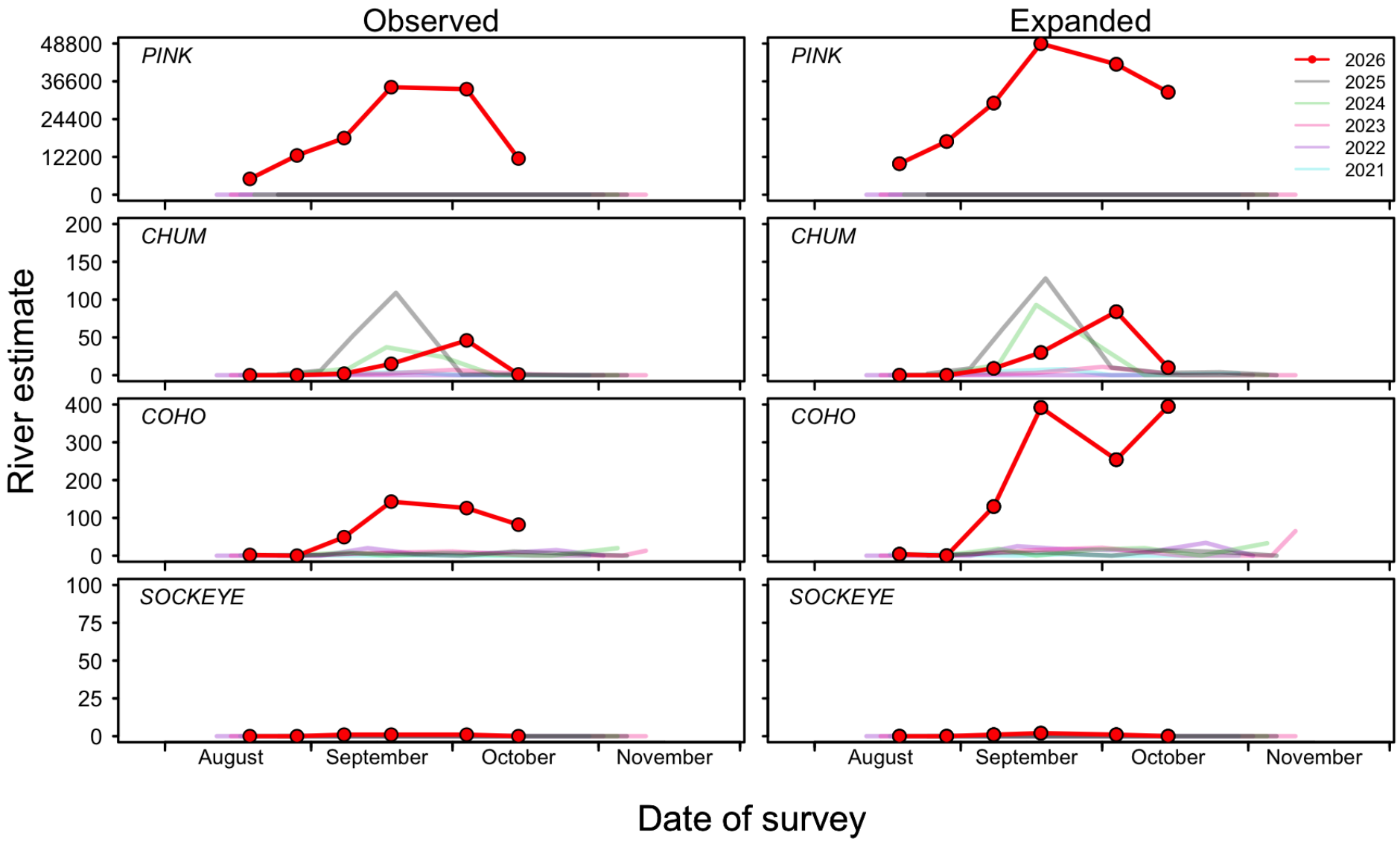


Figure: First column shows observed counts of each salmon species in Embley River. The second column shows the expanded count after accounting for observer efficiency, morts, and jacks. Coloured lines represent observations in the last five years over the entire season and the red data points are observations 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.**

Shoal Harbour Creek

October 16, 2026
Enumerated by Rob Humenny, Leila Krichel



Photo 1: Chum mort.

Estuary Survey

- No salmon spotted
- Salmon adjacent species: 7 seals, 1 kingfisher, 20 gulls

River Notes

- Murky and shallow water
- Not many salmon spotted in river

Billy Proctor Creek & Mount Worthington Creek - Shoal tributaries

October 16, 2026
Enumerated by Rob Humenny, Leila Krichel

River Notes

- Observed 1 coho jack in Billy Proctor creek. Water is still low--likely won't see more coho in this creek until there is more rain.
- No coho in Mt. Worthington creek.

Shoal Harbour Creek
October 16, 2026
Enumerated by Rob Humenny, Leila Krichel

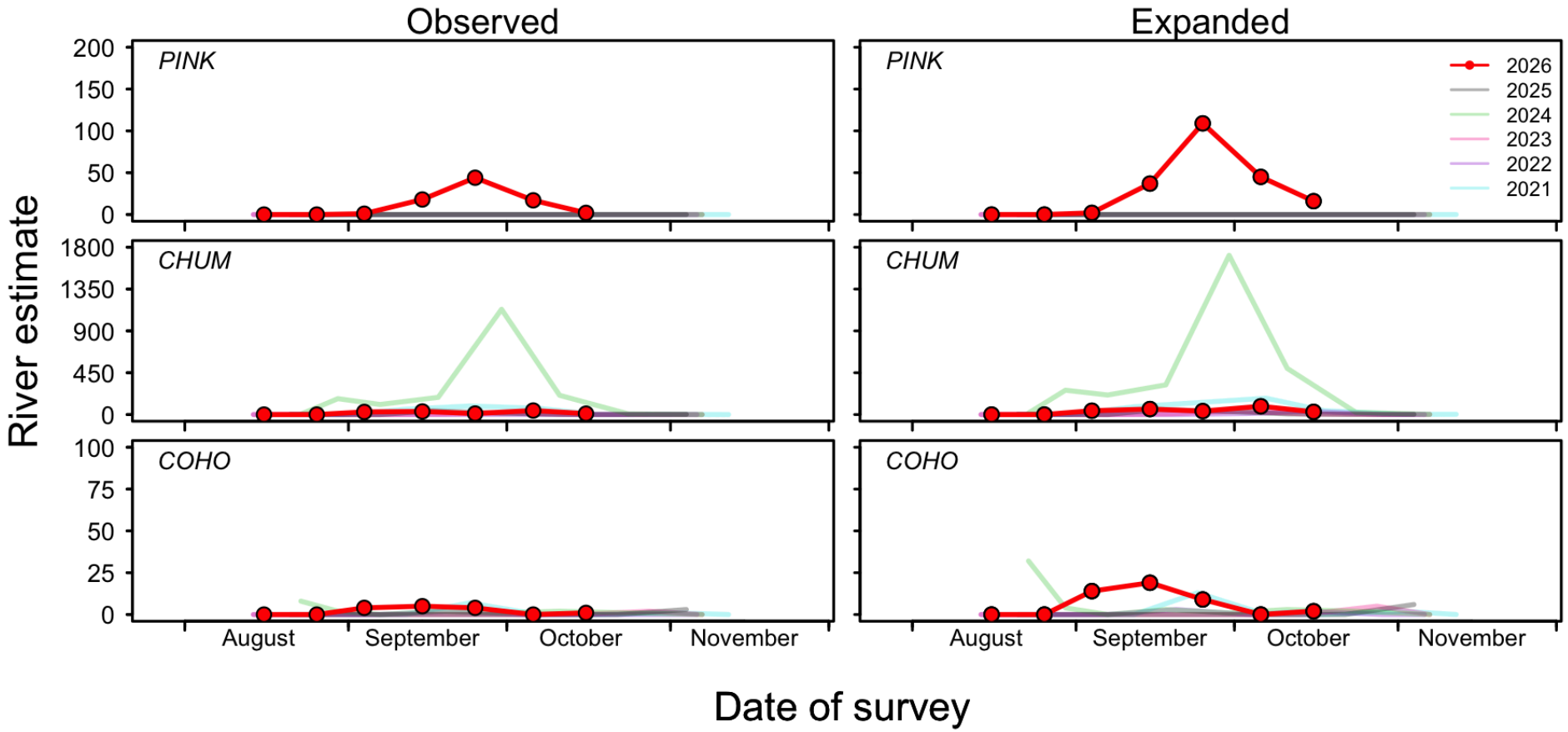


Figure: First column shows observed counts of each salmon species in Shoal creek. The second column shows the expanded count after accounting for observer efficiency, morts, and jacks. Coloured lines represent observations in the last five years over the entire season and the red data points are observations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

Maple Cove Creek

October 17, 2026
Enumerated by Rob Humenny, Leila Krichel



Photo 1: Pink salmon in Maple Cove creek.

Estuary Survey

- No salmon spotted
- Salmon adjacent species: geese, american dipper

River Notes

- 6 pink all spotted just upriver from the mouth
- Medium water level

Maple Cove Creek

October 17, 2026
Enumerated by Rob Humenny, Leila Krichel

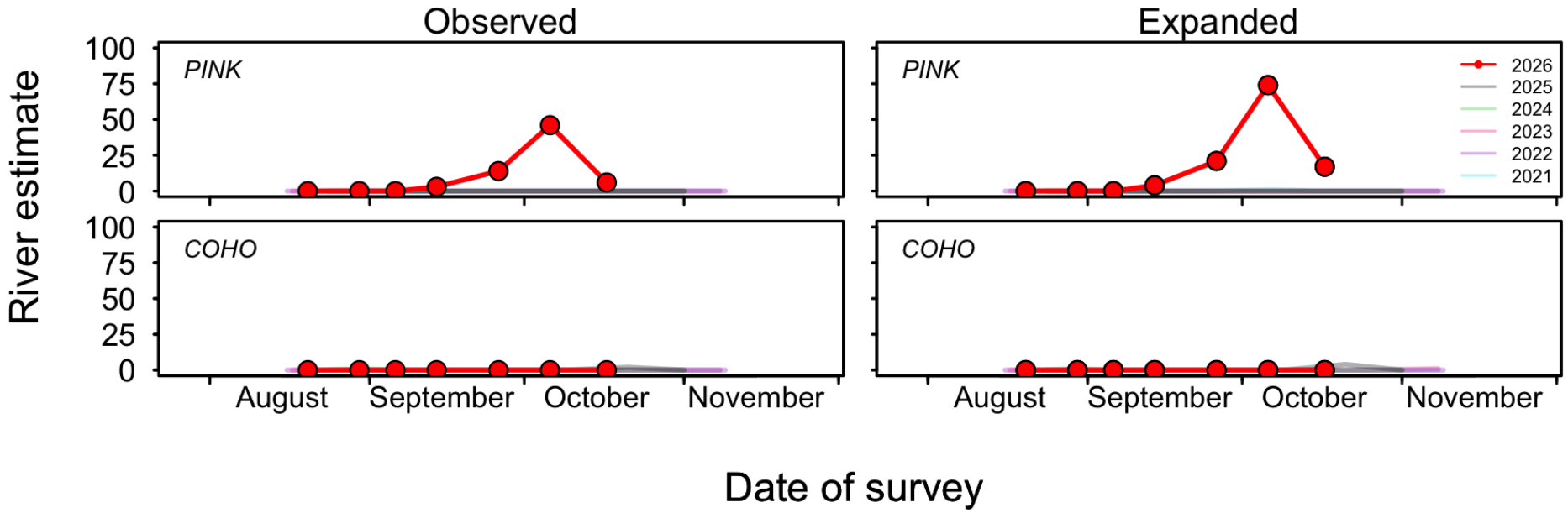


Figure: First column shows observed counts of each salmon species in Maple Cove creek. The second column shows the expanded count after accounting for observer efficiency, morts, and jacks. Coloured lines represent observations in the last five years over the entire season and the red data points are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

Carriden Creek

October 18, 2026
Enumerated by Rob Humenny, Leila Krichel



Photos 1: Swamp area in Carriden creek, behind the log jam barrier in creek.

Estuary Survey

- No salmon spotted
- Salmon adjacent species: 1 kingfisher, 6 eagles, 2 crows, 30 gulls

River Notes

- Some pink salmon spawning activity past the log jam at 600m.

Carriden Creek

October 18, 2026
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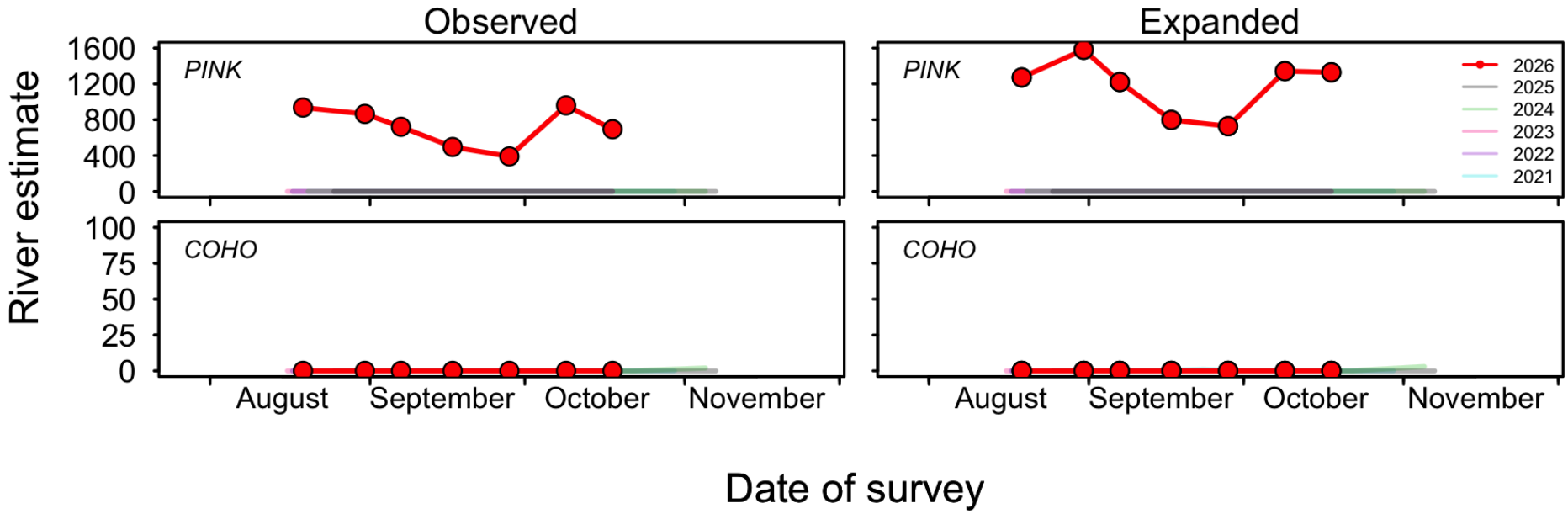


Figure: First column shows observed counts of each salmon species in Carriden Creek. The second column shows the expanded count after accounting for observer efficiency, morts, and jacks. Coloured lines represent observations in the last five years over the entire season and the red data points are observations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

Simoom Creek

October 18, 2026
Enumerated by Rob Humenny, Leila Krichel

-no photo-

Estuary Survey

- No salmon spotted
- Salmon adjacent species: 1 seal, 2 gulls

River Notes

- No sign of fish in river
- Medium water level

Wahkana Creek

October 19, 2026
Enumerated by Rob Humenny, Leila Krichel




Photos 1: Coho salmon under log jam.
Photo 2: Live chum salmon in the creek.

Estuary Survey

- No salmon
- Salmon adjacent species: 1 eagle, 1 sealion, 1 kingfisher, moonjellies

River Notes

- Still some live chum in river and a coho
- Medium water level and good water clarity for Wahkana

Wahkana Creek

October 19, 2026
Enumerated by Rob Humenny, Leila Krichel

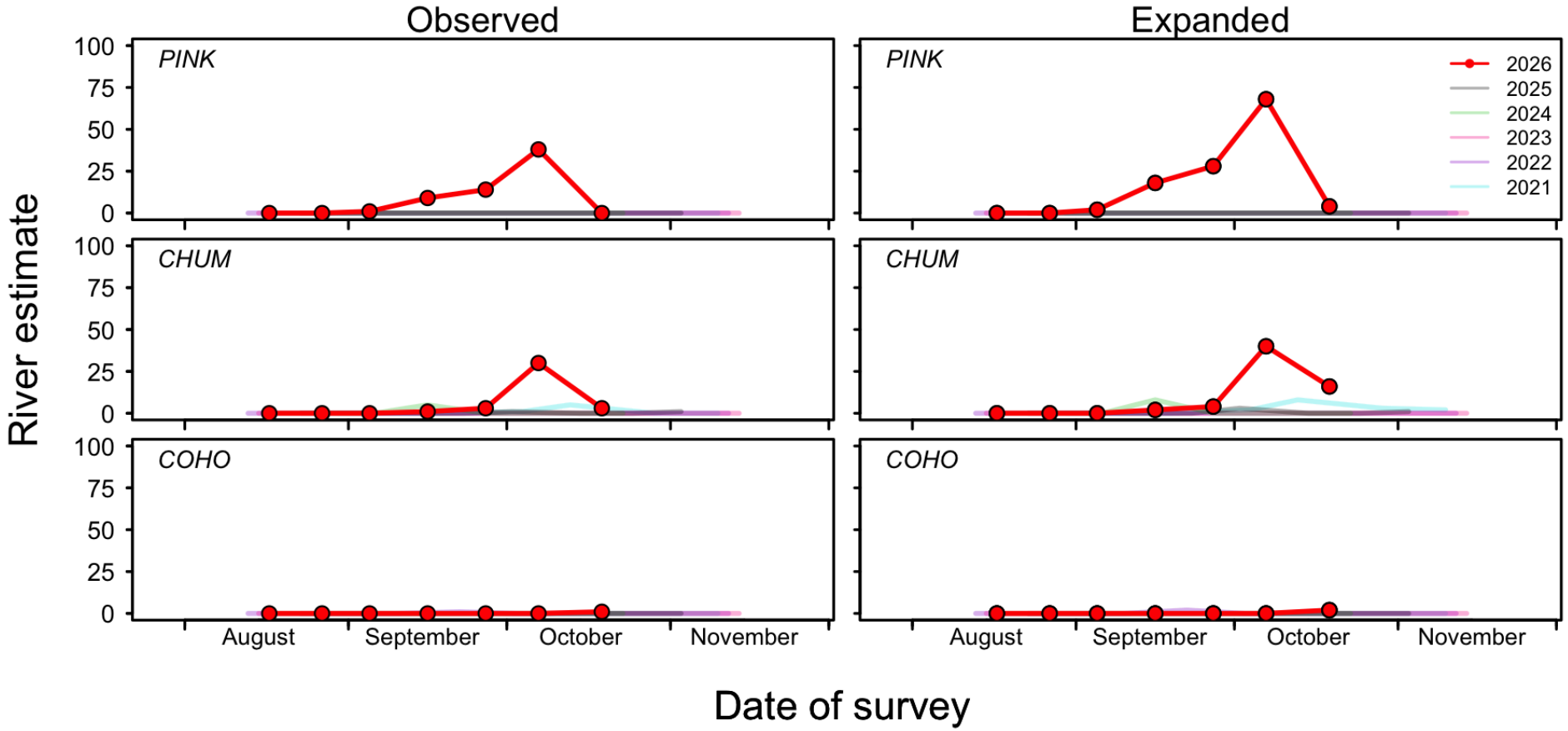


Figure: First column shows observed counts of each salmon species in Wahkana Creek. The second column shows the expanded count after accounting for observer efficiency, morts, and jacks. Coloured lines represent observations in the last five years over the entire season and the red data points are observations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

Hada River

October 19, 2026
Enumerated by Rob Humenny, Leila Krichel




Photo 1: Spawning pink and chum salmon.
Photo 2: Water levels in the rapids section of Hada River.

Estuary Survey

- No live salmon spotted
- Salmon adjacent species: 150 gulls, 50 ducks, 1 heron

River Notes

- Large decline in live pink in river.
- Coho schooled by the waterfall and deep pool
- Medium water level

Hada River

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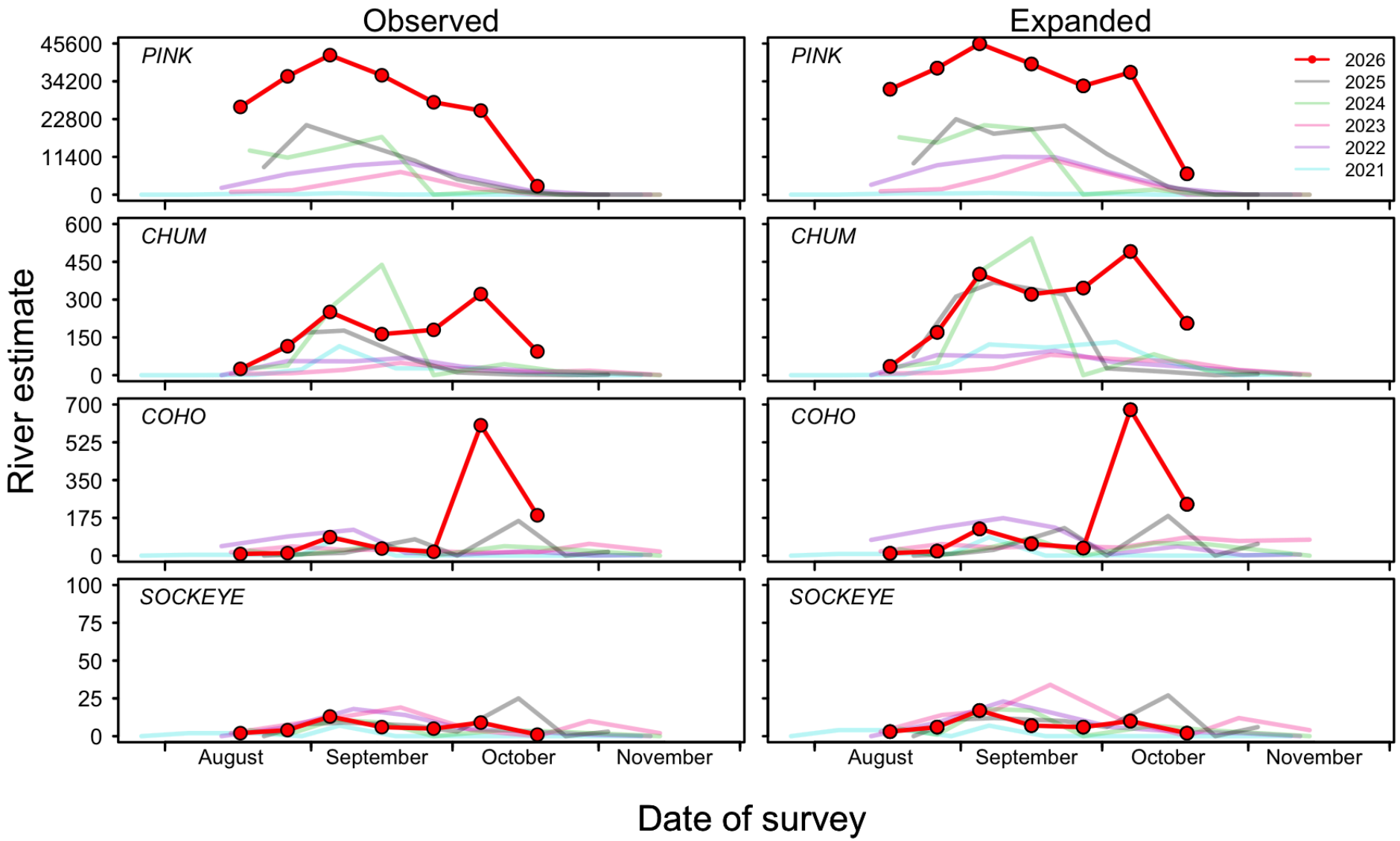


Figure: First column shows observed counts of each salmon species in Hada River. The second column shows the expanded count after accounting for observer efficiency, morts, and jacks. Coloured lines represent observations in the last five years over the entire season and the red data points are observations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

Viner River

October 20, 2026
Enumerated by Rob Humenny, Leila Krichel



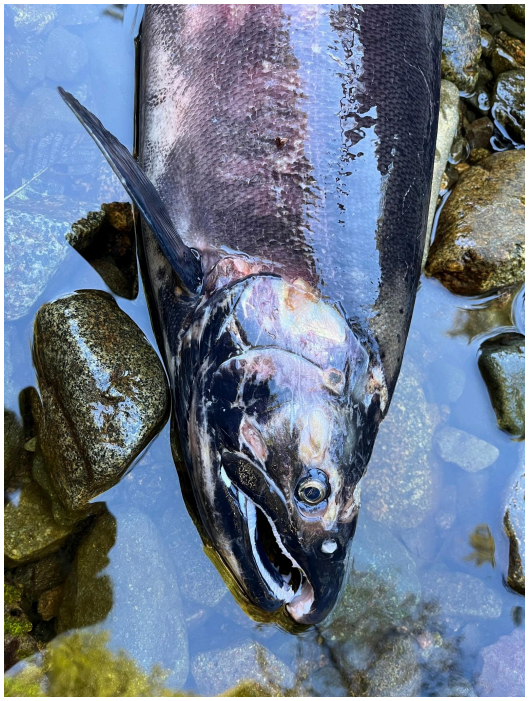


Photo 1: Chum spawner
Photo 2: Coho mort

Estuary Survey

- No live salmon spotted
- Salmon adjacent species: 2 eagles, 1 heron, 30 geese, 1 seal, 1 kingfisher, 1 sealion, 15 gulls, 5 grebes

River Notes

- Lots of chum morts in river, substantial decline in live chum in river compared to last rotation
- Seeing lots of coho past the rapids section of Viner River. Most of them are holding in deep pool.
- Medium water level

Viner River

October 20, 2026
Enumerated by Rob Humenny, Leila Krichel

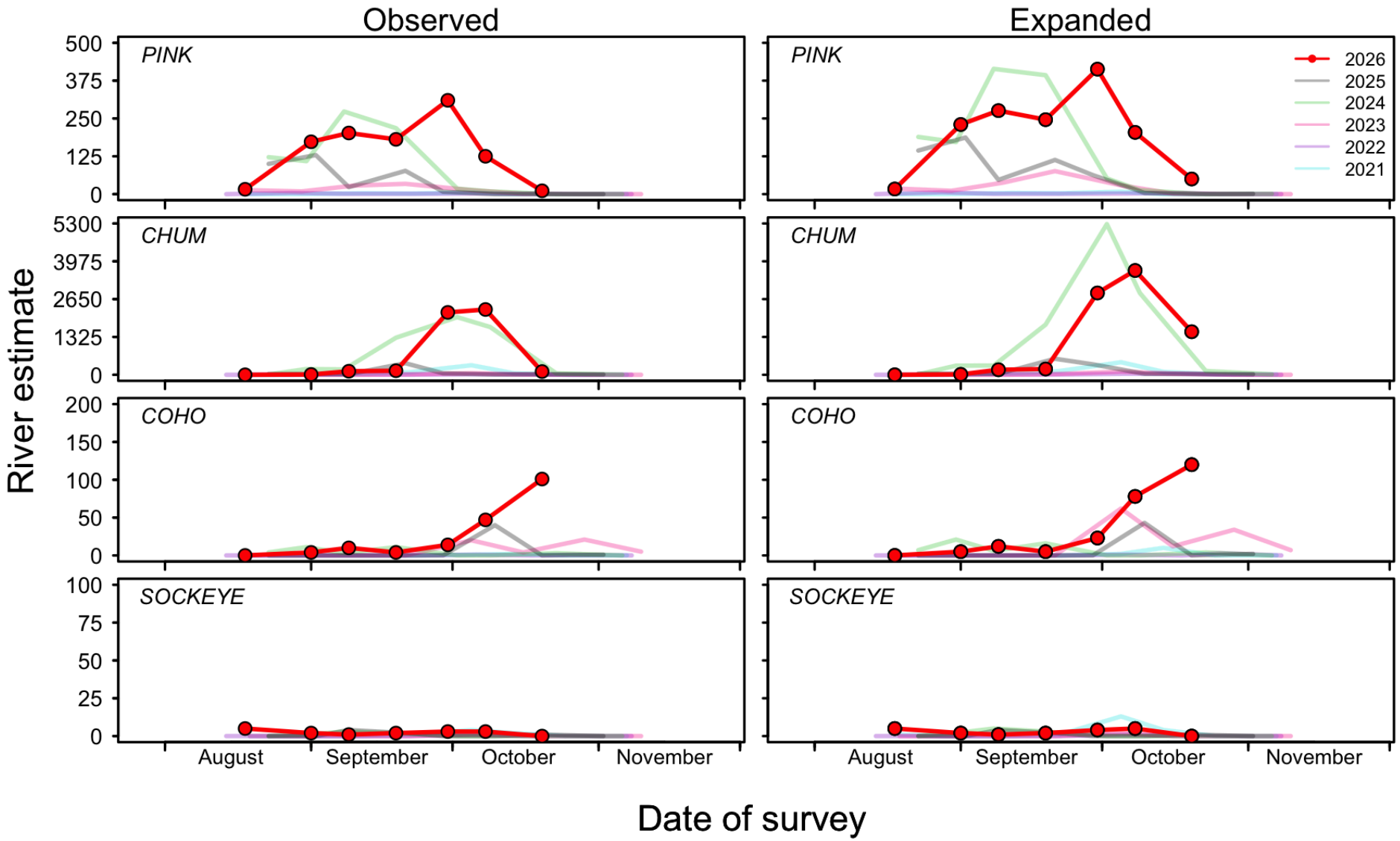


Figure: First column shows observed counts of each salmon species in Viner River. The second column shows the expanded count after accounting for observer efficiency, morts, and jacks. Coloured lines represent observations in the last five years over the entire season and the red data points are observations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

Scott Cove Creek

October 21, 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 eagle, 50 gulls

River Notes

- Medium water levels
- Not many salmon jumping at the waterfalls. Most likely holding in Loose Lake at this point.

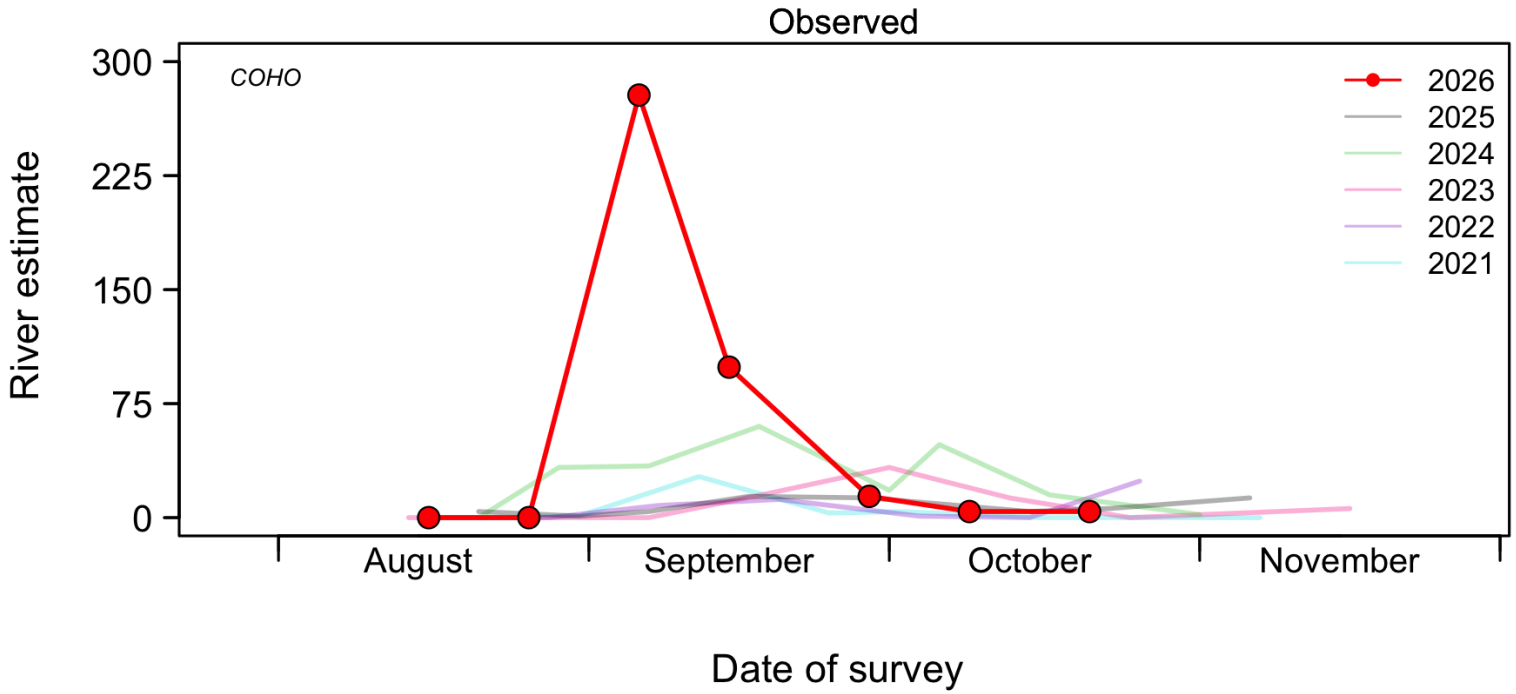


Figure: First column shows observed counts of each salmon species in Scott Cove creek. The second column shows the expanded count after accounting for observer efficiency, morts, and jacks. Coloured lines represent observations in the last five years over the entire season and the red data points are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

Minihump Creek - Loose tributary

October 21, 2026
Enumerated by Rob Humenny, Leila Krichel




Photos 1 and 2: Minihump in the creek

River Notes

- No coho spotted yet but a large increase in minihump salmon compared to last rotation
- Medium water levels

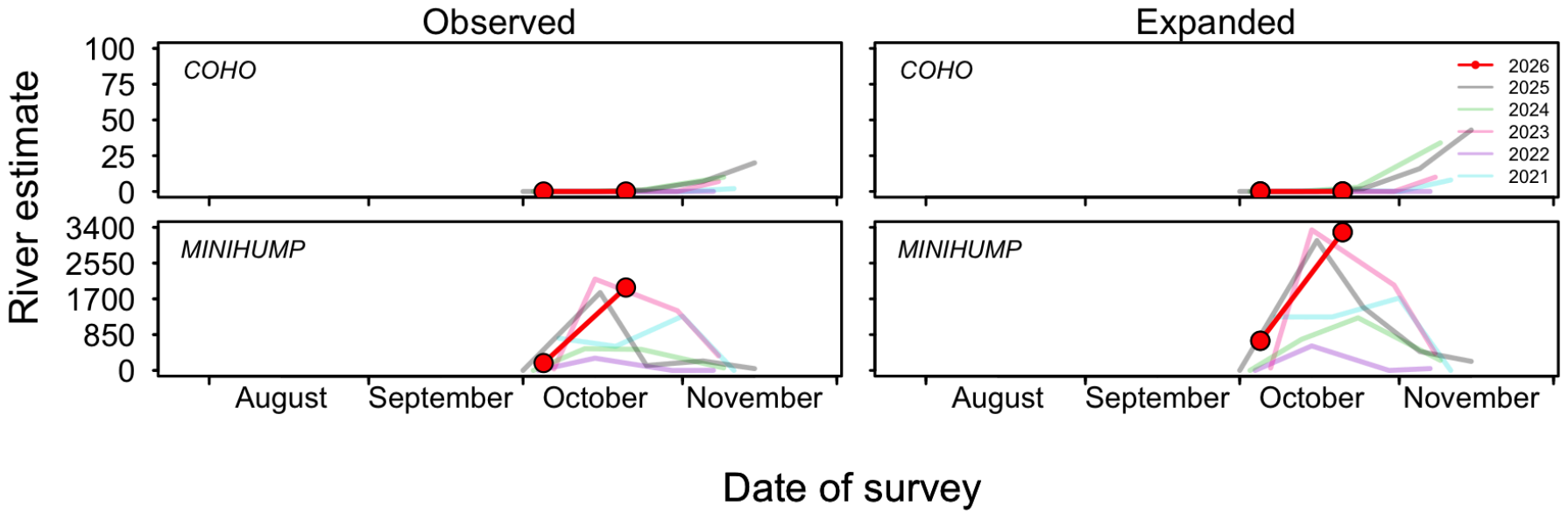


Figure: First column shows observed counts of each salmon species in Minihump creek. The second column shows the expanded count after accounting for observer efficiency, morts, and jacks. Coloured lines represent observations in the last five years over the entire season and the red data points are observations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

Connector Creek - Loose tributary

October 21, 2026
Enumerated by Rob Humenny, Leila Krichel

-no photo-

River Notes

- No coho spotted yet but some minihump salmon have entered the stream
- Low water levels and dark water

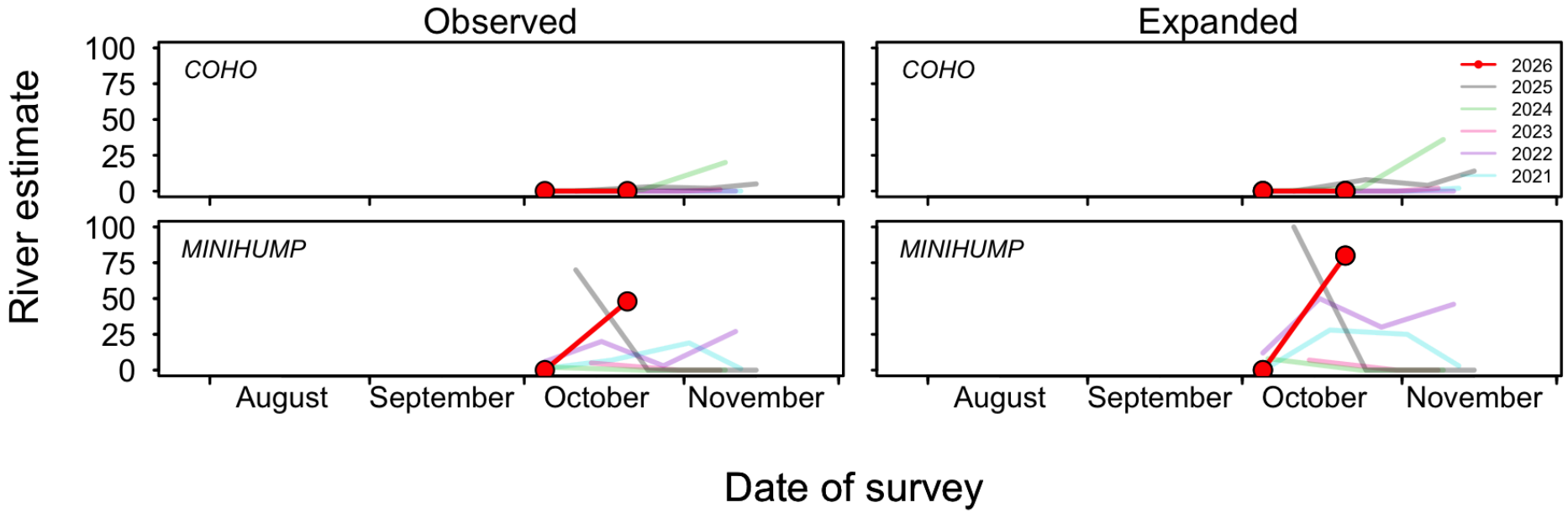


Figure: First column shows observed counts of each salmon species in Connector creek. The second column shows the expanded count after accounting for observer efficiency, morts, and jacks. Coloured lines represent observations in the last five years over the entire season and the red data points are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

Chris Bennett Creek - Loose tributary

October 22, 2026
Enumerated by Rob Humenny, Leila Krichel

-no photo-

River Notes

- No sign of salmon in river
- Very low water levels

Loose Lake Creek - Loose tributary

October 22, 2026
Enumerated by Rob Humenny, Leila Krichel

-no photo-

River Notes

- No sign of salmon in river
- Very low water levels