

Skeena Sockeye In Season Update for SFNTC

04 July, 2023

Summary

- Still early on, cumulative total escapement of 113,302 past Tyee to date (compares to 135,874 to July 3 last year) (Table 1, Figure 1).
- Very early to determine run-timing, indications may be average run-timing so far, although this may change through the season (Figure 2).
- Catchability coefficient in 2023 is 1307 sockeye per index point.
- Although very early, the simple Tyee run-timing model suggests a run between $\sim 1\text{-}4\text{M}$, with the average run-timing final run forecast at $\sim 1.9\text{M}$ (Figure 3).
- Marine sockeye FSC ongoing, with sockeye FSC in-river beginning.
- Early indications indicate large, healthy fish.
- No commercial catch to date.
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Tyee Escapement and TRTC

Table 1: Cumulative escapement, TRTC, and catch to July 3.

Cumulative.to.Date	Number.of.Sockeye	Run.Timing	Percent.Through
Escapement Past Tyee	113302	Average	6.0
TRTC (Escapement+Catch)	113302	One week early	14.5
Catch (preliminary)	0	One week late	2.4

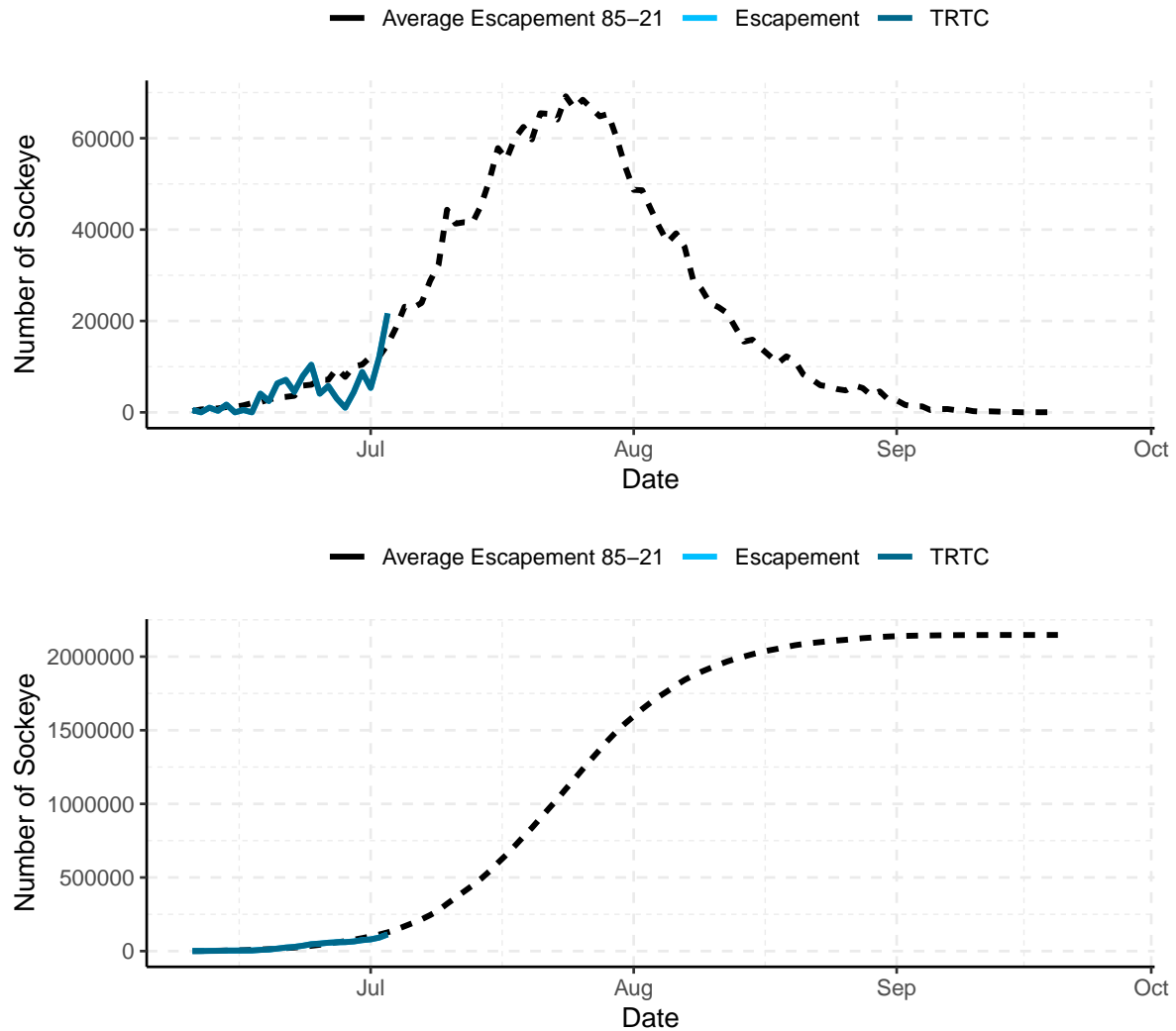


Figure 1: Daily (top) and cumulative (bottom) estimated escapement and TRTC (escapement + adjusted catch) at the Tyee test fishery versus the 1985-2021 average.

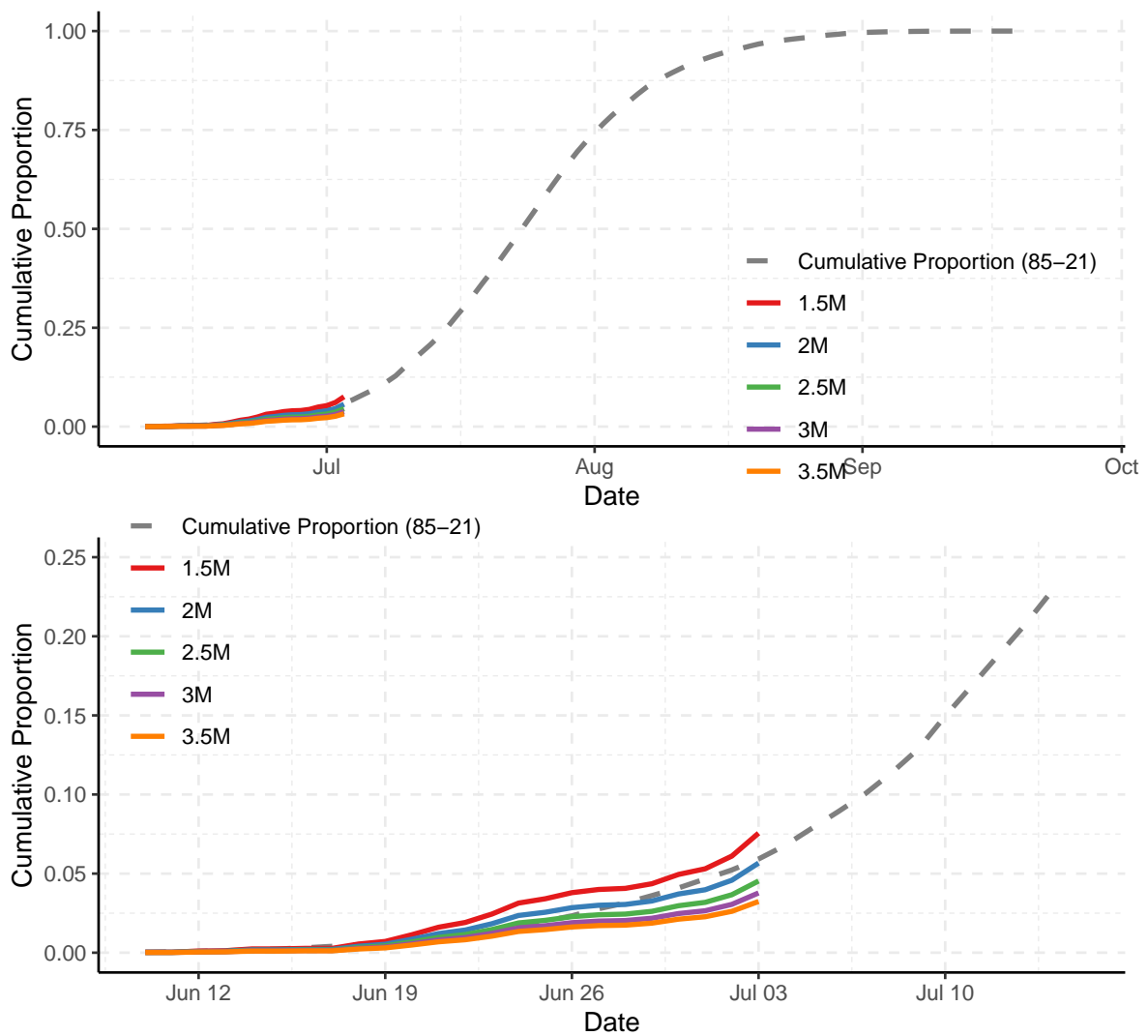


Figure 2: Cumulative estimated daily proportion of TRTC based on 1985-2021 average.

Tyee run-timing model

Table 2: Forecasted sockeye final TRTC based on early, average and late run-timing.

Run.Timing	Forecasted.Final.Run.Size
Early	882152
Average	1880092
Late	4126384

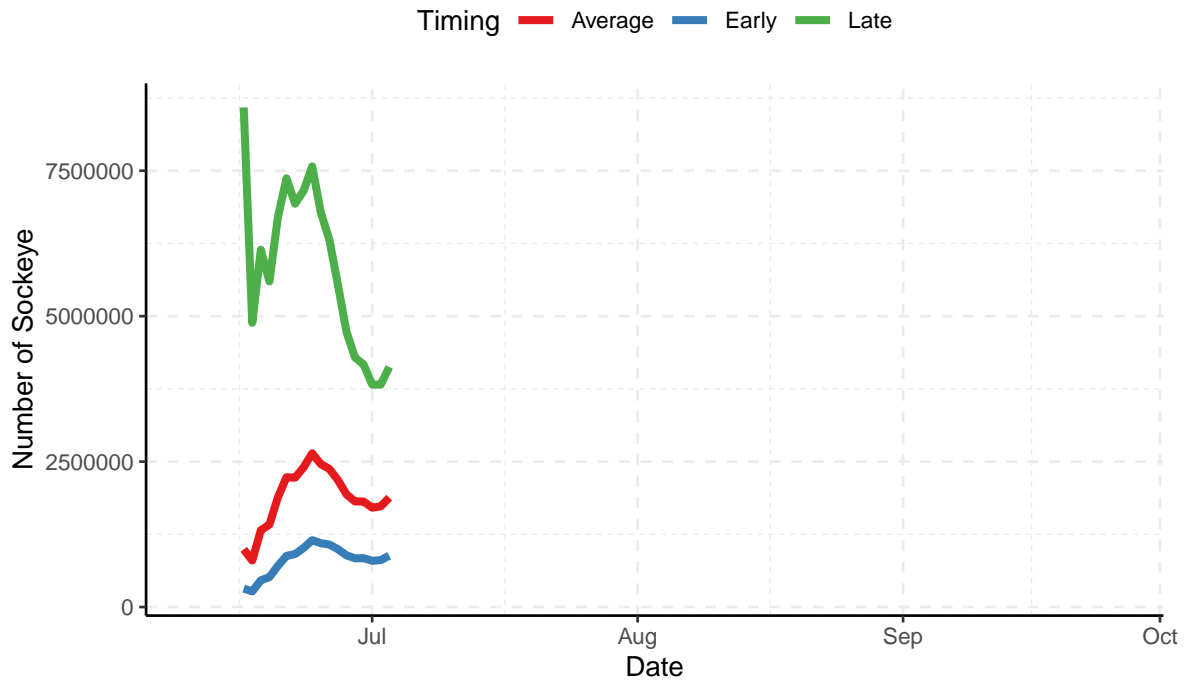


Figure 3: Forecasted final TRTC of Skeena sockeye based on the simple scalar run-timing model.