



DRAFT AGENDA
PSC Fraser River Panel Meeting
Via Zoom Webinar: <https://psc-org.zoom.us/j/85284137826>

FRP meeting: Friday, August 1, 2025 at 11 am

	1) Roll Call (Panel and Tech members, others please email Angela Xu, frontdesk@psc.org)	5 min	
	2) Webinar Etiquette: mute phone & chat feature	2 min	
☒	3) Agenda	5 min	
	4) Overview of run and catch status	5 min	PSC staff
☒	a) Accounted run to date relative to forecast and adopted run sizes		
☒	b) Catch-to-date by fishery		
☒	c) Release mortalities		
☒	d) TAC table		
	5) Biological information	20 min	PSC staff
☒	a) Test fishing catches and acoustics summary		
☒	b) Comparison of predictions from Mission to Qualark		
☐	c) Species composition review		
☒	d) Stock Identification review		
	e) Management Adjustment (MA) considerations		
☒	i) Environmental report		
☒	ii) pDBE forecast and sensitivity analysis		
☒	iii) Current temperatures in areas of the Fraser Watershed		
☒	iv) TNG Taskforce Update		
☒	v) Report on fish condition		DFO
☒	vi) Spawning ground reports		DFO
	6) Assessment information		PSC staff
☒	a) Daily migration graphs		
☒	b) Predicted abundance en route to Mission		
☒	c) Diversion rate		
☐	d) Technical assessment information		
☒	e) Run size and timing estimates		
☒	f) Predicted allowable harvest based on run size and DBE scenarios		
☒	g) Criteria for fishing decisions table		
☐	h) Catch evaluation		
	7) Recommendations on run size, migration timing and MA		
☒	a) PSC recommendations		PSC staff
	b) Canadian and/or U.S. recommendations		Panel
	c) Panel decision		
	8) Fisheries recommendations		
	a) Canadian and U.S. proposals		Panel
	b) Staff evaluation		PSC staff
	c) Canadian and U.S. evaluation		Panel
	d) Panel decision		
☐	9) Assessments from other areas	5 min	PSC staff
☒	10) Other business: Area 5 test fishery, End date for marine gill nets, Weekly report	5 min	Panel
☒	11) Next FRP meeting and agenda	2 min	PSC staff/Panel
	12) Next TC meeting:		PSC staff
☒	13) Data acknowledgements		

Legend: ☒ Content included in the distribution

☐ Not included in the distribution due to not relevant for this meeting or no (new) information

4a. Accounted run to date relative to forecast and adopted runsizes

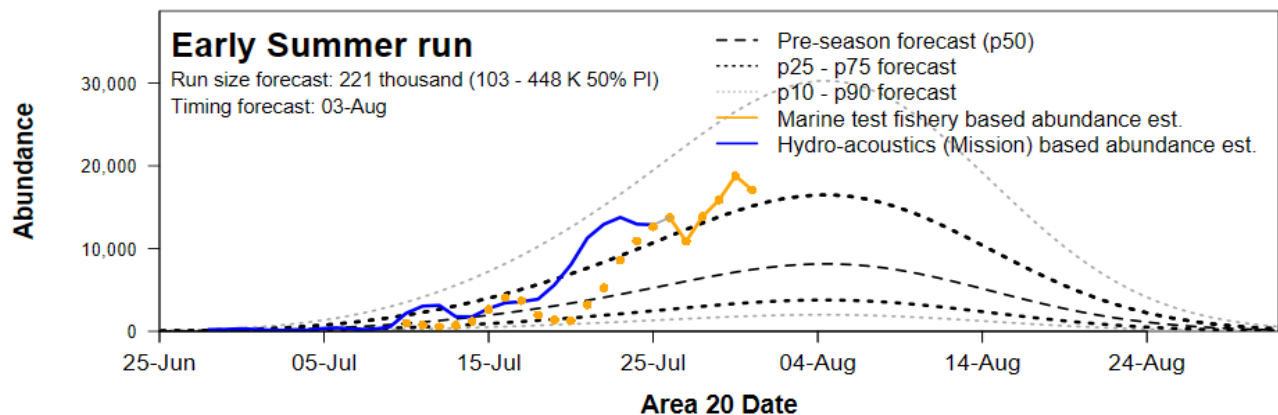
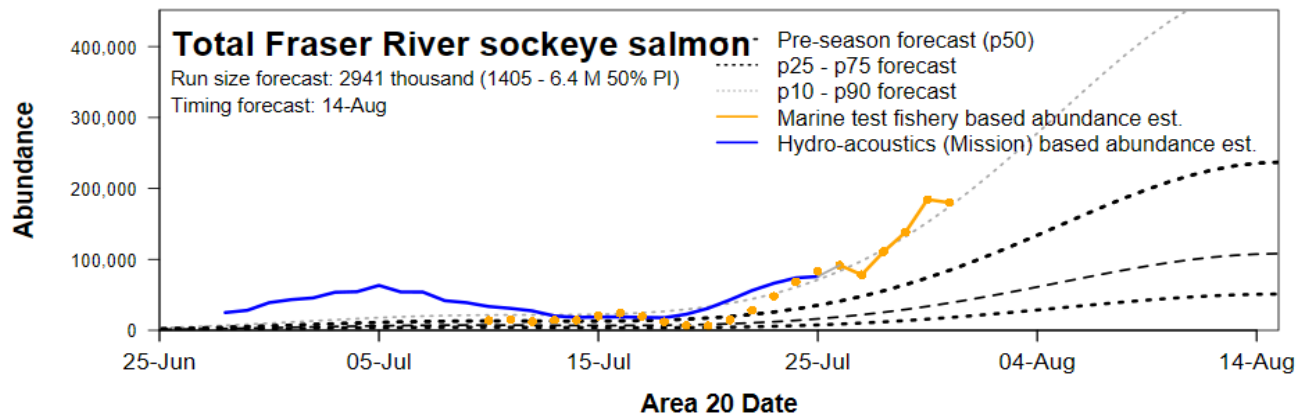
2025 Run status of Fraser sockeye and pink salmon

Date: Aug. 1, 2025

The information presented in this distribution has been prepared by PSC Secretariat staff and should be considered preliminary until reviewed by the Fraser River Panel

Week of: Jul. 27 - Aug. 2, 2025	Sockeye				
	Management Group				Total Fraser
	E.Stuart	E.Summer	Summer	Late	
Mission passage (inclds Pitt, Alouette, Coquitlam)	732,500	105,200	264,000	3,800	1,105,500
Catch downstream of Mission	3,900	1,000	3,500	100	8,500
Accounted Run To Date	736,400	106,200	267,500	3,900	1,114,000
Run size adopted in-season ¹	725,000	na	na	na	na
Run size forecasted pre-season	116,000	221,000	2,136,000	468,000	2,941,000
Area 20 timing adopted in-season	6-Jul	na	na	na	na
Area 20 timing expected pre-season	8-Jul	3-Aug	15-Aug	20-Aug	14-Aug
Johnstone Str. Diversion Rate			In-season 5-day average		62%
			Preseason forecast of annual rate:		64%

¹ Run sizes are usually not adopted until after the peak of the run has passed through marine test fishery areas in Juan de Fuca and Johnstone straits.



4b. Catch-to-date by fishery

2025 Catch-to-date by fishery

Date: Aug. 1, 2025

Week of: Jul. 27 - Aug. 2, 2025		Sockeye		Pink	
		Total	Fraser	Total	Fraser
Canada		776	776	296	0
	Commercial	0	0	0	0
	B Purse Seine	0	0	0	0
	H Troll	0	0	0	0
	First Nations	0	0	0	0
	Food, Social & Ceremonial (FSC)	0	0	0	0
	Marine	0	0	0	0
	Fraser R.	0	0	0	0
	Economic Opportunity (EO) & Demonstration (Demo)	0	0	0	0
	Single Stock FSC (SS FSC)	0	0	0	0
	Recreational	0	0	296	0
	Charter (Albion & A12 Chum test fishery)	74	74	0	0
	Other****	702	702	0	0
United States		0	0	0	0
	Commercial	0	0	0	0
	Treaty Tribes (TRB)	0	0	0	0
	All Citizen (AC)	0	0	0	0
	Treaty Tribes Ceremonial & Subsistence (C&S)	0	0	0	0
	All Citizen Recreational	0	0	0	0
	Other****	0	0		
	Alaska *	na	na	na	na
Panel-approved Test Fisheries		10,804	10,168	1,595	136
	Panel Waters	7,592	7,376	773	89
	Canada	7,592	7,376	773	89
	U.S.	0	0	0	0
	Non-Panel Waters**	3,212	2,792	822	47
Total		11,580	10,944	1,891	136
	Catch Seaward of Mission ***	9,163	8,527	1,891	136
	Catch Upstream of Mission	2,417	2,417	0	0

* Alaska data are processed post-season and so are unavailable in-season.

** Includes Qualark

*** All catches in marine areas and in the Fraser River downstream of Mission.

**** May include unauthorized directed retention or unauthorized bycatch retention in fisheries directed at other species

4c. Release mortalities

2025 Release Mortalities-to-date by fishery

(release mortalities are excluded from catch)

Date: Aug. 1, 2025

Week of: Jul. 27 - Aug. 2, 2025		Sockeye releases		Release mortality	
		Total	Fraser	Total	Fraser
Canada		1,647	1,647	30	30
	Commercial	0	0	0	0
	B Purse Seine	0	0	0	0
	H Troll	0	0	0	0
	First Nations ****	1,646	1,646	29	29
	Food, Social & Ceremonial (FSC)	1,646	1,646	29	29
	Marine	0	0	0	0
	Fraser R.	1,646	1,646	29	29
	Economic Opportunity (EO) & Demon:	0	0	0	0
	Single Stock FSC (SS FSC)	0	0	0	0
	Recreational	0	0	0	0
	Charter (Albion & A12 Chum test fishery)	0	0	0	0
	Other**	1	1	0	0
United States		0	0	0	0
	Commercial	0	0	0	0
	Treaty Tribes (TRB)	0	0	0	0
	All Citizen (AC)	0	0	0	0
	Treaty Tribes Ceremonial & Subsistence (C&S)	0	0	0	0
	All Citizen Recreational	0	0	0	0
	Other**	0	0	0	0
	Alaska *	na	na	na	na
Panel-approved Test Fisheries		48,112	45,231	4825	4,536
	Panel Waters	48,112	45,231	4825	4,536
	Canada	48,112	45,231	4825	4,536
	U.S.	0	0	0	0
	Non-Panel Waters	0	0	0	0
Total		49,759	46,878	4855	4,565
	Catch Seaward of Mission ***	48,112	45,231	4825	4,536
	Catch Upstream of Mission	1,647	1,647	30	30

* Alaska does not report release mortalities

**May include releases and release mortalities unauthorized directed retention or unauthorized bycatch retention in fisheries directed at other species

*** All releases and release mortalities in marine areas and in the Fraser River downstream of Mission.

**** As of Aug 1, these releases include 1,597 dipnet/rod and reel releases in a sanctioned Chinook fishery

4d. TAC table

		Fraser Sockeye					Fraser Pinks	
		Early Stuart	Early Summer	Summer	Lates	Total	Total	
RUN STATUS, ESCAPEMENT NEEDS & AVAILABLE SURPLUS								
Pre-season or Adopted In-season Run Size		725,000	221,000	2,136,000	468,000	3,550,000	26,965,000	
Adult Spawning Escapement Target (SET)		580,000	136,000	1,470,000	346,500	2,532,500	8,089,500	
%SET from TAM rules		80%	62%	69%	74%		30%	
Management Adjustment (MA)		1,078,800	73,440	411,600	540,540	2,104,380	0	
Proportional MA (pMA)		1.86	0.54	0.28	1.56		0.00	
Adjusted Spawning Escapement Target (SET) *		725,000	209,440	1,881,600	468,000	3,284,040	8,089,500	
Test Fishing (TF)		5,700	2,150	19,410	3,680	30,940	90,000	
Surplus above Adjusted SET & Test fishing		0	9,410	234,990	0	244,400	18,785,500	
DEDUCTIONS & TAC FOR INTERNATIONAL SHARING								
Aboriginal Fishery Exemption (AFE)		0	9,653	235,376	0	245,030	0	
Total Deductions (Adj. SET + TF + Available AFE)		730,700	221,243	2,136,386	471,680	3,560,009	8,179,500	
Available TAC for International Sharing		0	0	0	0	0	18,785,500	
UNITED STATES (Washington) TAC								
Proportionally Distributed TAC **		16.5%	0	0	0	0	25.7%	4,827,870
U.S. Payback **		0.0%	0	0	0	0		0
Proportionally Distributed TAC + Payback		0	0	0	0	0	4,827,870	
Treaty Tribes Share **		67.7%	0	0	0	0	50.0%	2,413,935
All Citizen Share		32.3%	0	0	0	0	50.0%	2,413,935
CANADA TAC								
Aboriginal Fishery Exemption (AFE)		0	9,653	235,376	0	245,029	0	
Canadian TAC + AFE		0	9,653	235,376	0	245,029	13,957,630	
CATCH-TO-DATE								
Test		5,300	1,130	3,640	90	10,170	140	
Treaty Tribes (Wash.) / Ceremonial (TRB)		0	0	0	0	0	0	
All Citizen (Wash.)		0	0	0	0	0	0	
Other (Wash.)***		0	0	0	0	0	0	
Washington		0	0	0	0	0	0	
First Nations Catch (including AFE)		0	0	0	0	0	0	
Planned Charter & Recreational Shares		50	10	10	0	74	0	0
Other***		700	0	0	0	700	0	0
Total Commercial (including FN EO/Demo****)		0	0	0	0	0	0	0
Canada		750	10	10	0	780	0	
Total Catch in All Fisheries		6,050	1,140	3,650	90	10,940	140	
Exploitation Rate (catch-to-date / run size)		0.8%	0.5%	0.2%	0.0%	0.3%	0.0%	
Fisheries induced mortalities (Canada, U.S. & TF)		43	377	4,010	135	4,565		
Exploit. Rate with fishery-induced mortality included		0.8%	0.7%	0.4%	0.0%	0.4%		
CATCH REMAINING (BALANCE)								
Washington		0	0	0	0	0	4,827,870	
Canada		-750	9,643	235,366	0	244,259	13,957,630	
Balance Remaining [below share / -above share]		-750	9,643	235,366	0	244,259	18,785,500	

* The adjusted SET is the lesser of the run size or the sum of the MA + TAM - defined SET.

** Washington sockeye and pink shares according to Annex IV of the Pacific Salmon Treaty.

Sockeye: 16.5% of the TAC - payback (maximum of 5% of share).

Pink: 25.7% of the TAC - payback (maximum of 5% of share)

*** May include unauthorized directed retention or unauthorized bycatch retention in fisheries directed at other species.

**** EO = FN Economic Opportunity fisheries; Demo = FN Demonstration fisheries.

5a_Test Fishing & Escapement Summary_Sockeye

2025 Fraser Sockeye Test Fishing & Escapement Summary

Area/Gear Location From A20	Johnstone Strait		Juan de Fuca Strait		Fraser River								
	A12 GN Round Is (-2 days)	A12 PS Blinkhorn (-1 day)	A20 GN* Port Renfrew (0 days)	A20 PS Port Renfrew (0 days)	A29-17 GN Brownsville Bar (+5 days)	A29-16 GN Whonnock (+6 days)	Whon CPUE Estimate (+6 days)	A20 GN Catch (+8 days)	Qualark Estimate ¹	Method ²	Mission Hydroacoustics Estimate ³ (+6 days)	Method ⁴	Hells Gate Estimates ⁵ (+10 days)
11-Jul	8		100		304	64	4.90	110	42,915	RB + LB	53,100	A1+M2+A2	No Count
12-Jul	26		254		312	16	1.39	73	46,027	RB + LB	67,900	A1+M2+A2	22,840
13-Jul	35		113		270	23	1.95	82	38,264	RB + LB	40,300	A1+M2+A2	24,130
14-Jul	59		277		57	10	0.96	93	50,490	RB + LB	52,900	A1+M2+A2	33,200
15-Jul	24		281		65	6	0.56	103	30,088	RB + LB	31,600	A1+M2+A2	43,470
16-Jul	25		343		78	0	0.00	42	37,669	RB + LB	31,700	A1+M2+A2	44,400
17-Jul	30		260		100	2	0.19	91	27,985	RB + LB	36,300	A1+M2+A2	25,250
18-Jul	18		25		101	1	0.09	71	26,893	RB + LB	23,300	A1+M2+A2	8,830
19-Jul	9		68		15	4	0.34	52	28,410	RB + LB	21,100	A1+M2+A2	No Count
20-Jul	30		99		28	1	0.09	52	24,965	RB + LB	15,200	A1+M2+A2	No Count
21-Jul	51		5		33	18	1.66	61	20,922	RB + LB	17,500	A1+M2+A2	21,480
22-Jul	40		182		17	17	1.56	57	16,765	RB + LB	22,200	A1+M2+A2	15,390
23-Jul	43		72		24	18	1.63	61	20,134	RB + LB	15,600	A1+M2+A2	11,990
24-Jul	26	850 (5 sets)	72		29	13	1.22	69	21,005	RB + LB	15,900	A1+M2+A2	16,040
25-Jul	26	35 (5 sets)	24	1,612	86	36	3.18	48	17,172	RB + LB	21,100	A1+M2+A2	9,180
26-Jul	35	1,180	156	1,624	105	71	5.81	34	14,801	RB + LB	29,800	A1+M2+A2	2,920
27-Jul	32	1,159	36	1,252	125	58	4.80	30	16,386	RB + LB	40,100	A1+M2+A2	430
28-Jul	15	8,530	24	142 (5 sets)	112	120	9.55	53	24,694	RB + LB	56,600	A1+M2+A2	570
29-Jul	31	7,240	173	791	157	14	1.27	48	35,144	RB + LB	68,400	A1+M2+A2	No Count
30-Jul	30	7,847	230	494	241	11	1.05	74	50,906	RB + LB	70,100	A1+M2+A2	5,030
31-Jul	10	15,310	93	1,592	218	8	0.75	83			78,400	A1+M2+A2	6,430
1-Aug													
2-Aug													

¹ Qualark escapement estimate - does not include Chilliwack, Pitt, Harrison, Birkenhead, Big Silver, Weaver, and Cultus.

² Qualark source:

RB + LB = Right-bank (RB) + Left-bank (LB)

³ Mission escapement estimate - does not include Pitt

⁴ Mission Source:

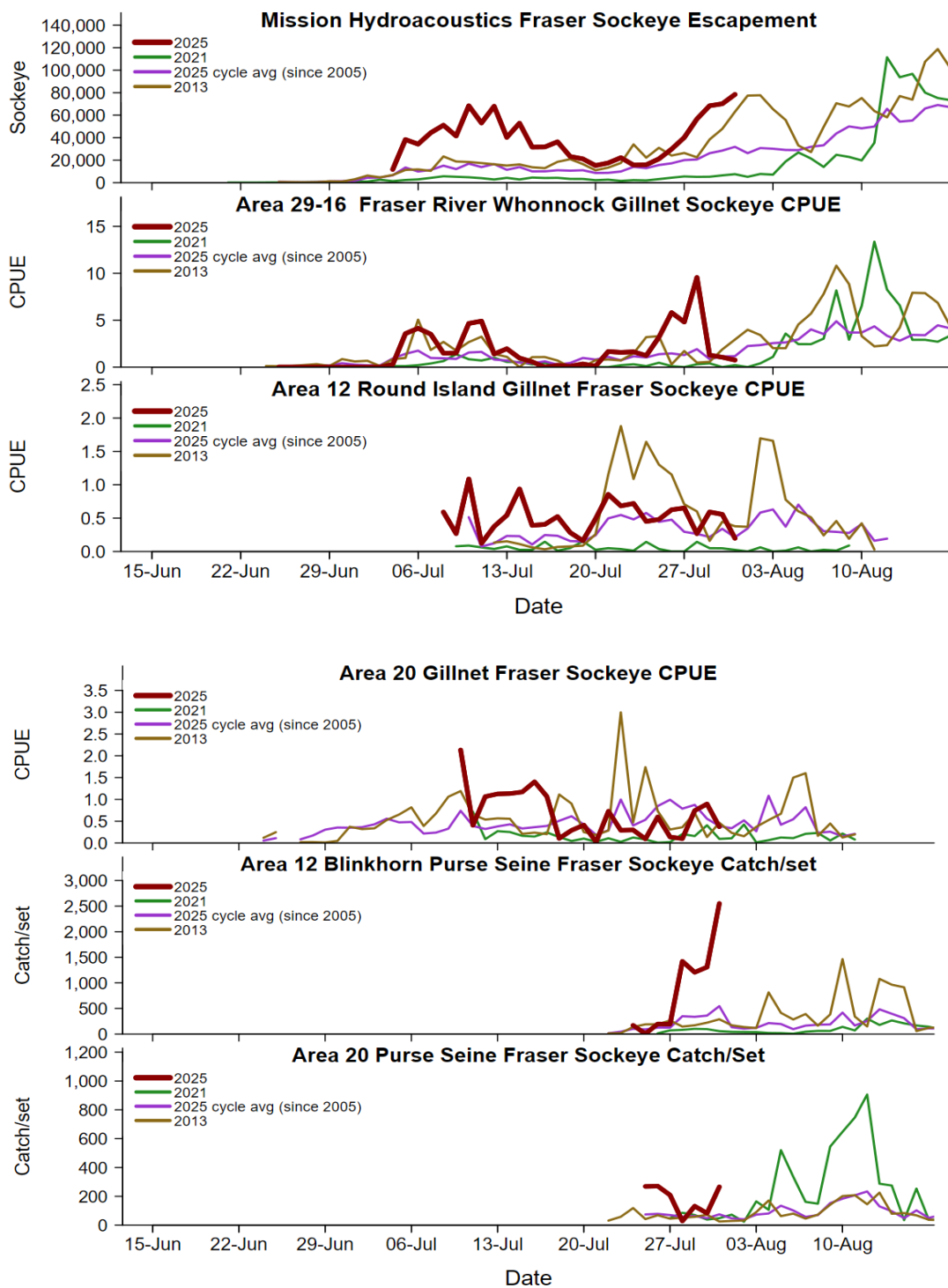
A1+M2 = Left bank ARIS (A1) + Mobile ARIS (M2)

A1+M2+A2 = Left bank ARIS (A1) + Mobile ARIS (M2) + Right bank ARIS (A2)

⁵ Daily Hells Gate abundance estimate; actual daily count has been expanded.

* Two vessels fishing

5a_Test Fishing & Escapement Summary_Sockeye



5a_Test Fishing & Escapement Summary_Pinks

2025 Fraser Pink Test Fishing & Escapement Summary

Area/Gear Location From A20	Johnstone Strait		Juan de Fuca Strait		Fraser River								Hell's Gate Estimates ³
	A12 GN Round Is (-2 days)	A12 P5 Blinkhorn (-2 days)	A20 GN * Port Renfrew (0 days)	A20 P5 Port Renfrew (0 days)	A29-17 GN Brownsville Bar	A29-16 GN Whonnock	Whon CPUE Estimate	GN Catch	Qualark Estimate	Method ¹	Mission Hydroacoustics Estimate	Method ²	
11-Jul	2		8		0	0	0.00	0	0	RB+LB	0	A1+M2+A2	No Count
12-Jul	10		18		0	0	0.00	0	0	RB+LB	0	A1+M2+A2	0
13-Jul	9		10		0	0	0.00	0	0	RB+LB	0	A1+M2+A2	0
14-Jul	8		12		0	0	0.00	0	0	RB+LB	0	A1+M2+A2	0
15-Jul	7		27		0	0	0.00	0	0	RB+LB	0	A1+M2+A2	0
16-Jul	3		38		0	0	0.00	0	0	RB+LB	0	A1+M2+A2	0
17-Jul	12		48		0	0	0.00	0	0	RB+LB	0	A1+M2+A2	0
18-Jul	10		5		0	0	0.00	0	0	RB+LB	0	A1+M2+A2	0
19-Jul	3		53		0	0	0.00	0	0	RB+LB	0	A1+M2+A2	No Count
20-Jul	28		14		0	0	0.00	0	0	RB+LB	0	A1+M2+A2	No Count
21-Jul	36		0		0	0	0.00	0	0	RB+LB	0	A1+M2+A2	0
22-Jul	16		19		0	0	0.00	0	0	RB+LB	0	A1+M2+A2	0
23-Jul	16		9		0	0	0.00	0	0	RB+LB	0	A1+M2+A2	0
24-Jul	39	2492 (5 sets)	18		0	0	0.00	0	0	RB+LB	0	A1+M2+A2	0
25-Jul	21	92 (5 sets)	10	257	0	0	0.00	0	0	RB+LB	0	A1+M2+A2	0
26-Jul	3	1,014	24	86	0	0	0.00	0	0	RB+LB	0	A1+M2+A2	0
27-Jul	31	1,923	27	117	0	0	0.00	0	0	RB+LB	0	A1+M2+A2	4,380
28-Jul	20	4,890	16 (5 sets)	309	0	0	0.00	0	0	RB+LB	0	A1+M2+A2	7,480
29-Jul	17	6,224	114	313	0	0	0.00	0	0	RB+LB	0	A1+M2+A2	No Count
30-Jul	27	7,502	90	145	0	0	0.00	0	0	RB+LB	0	A1+M2+A2	1,390
31-Jul	22	11,911	95	5,774	0	0	0.00	0	0	RB+LB	0	A1+M2+A2	20,030
1-Aug													
2-Aug													

¹ Qualark source:

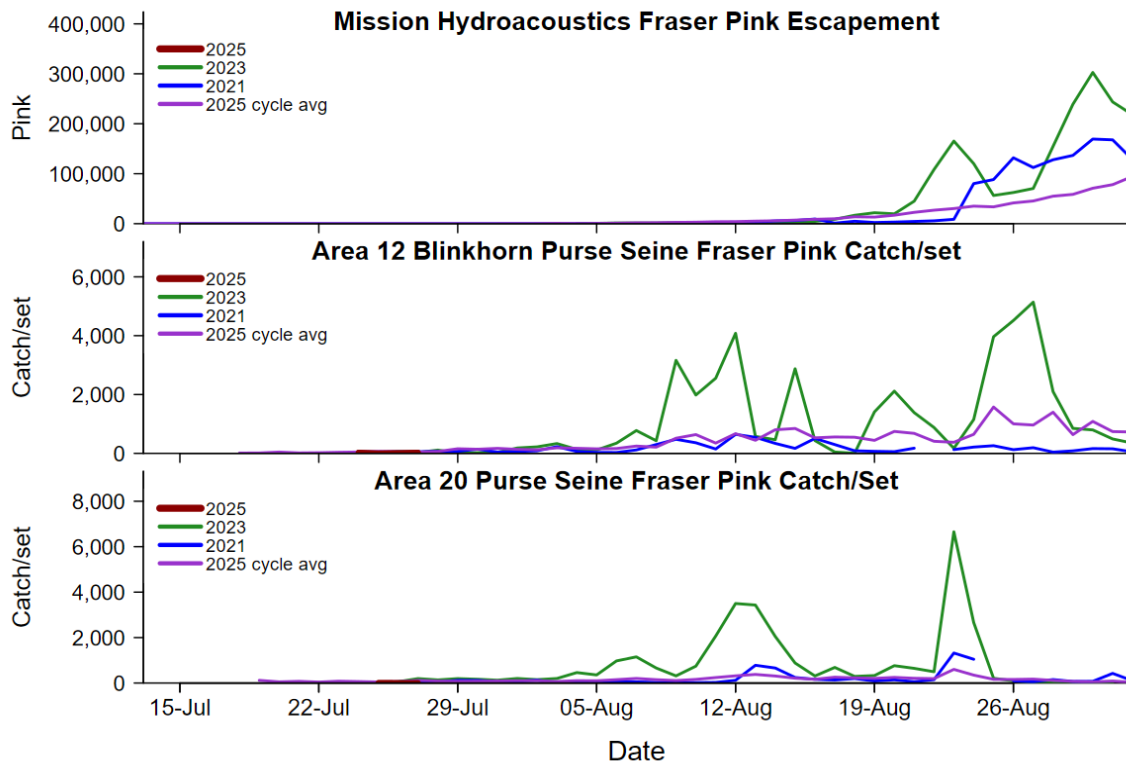
RB + LB = Right-bank (RB) + Left-bank (LB)

² Mission source:

A1+M2+A2 = Left bank ARIS (A1) + Mobile ARIS (M2) + Right bank ARIS (A2)

³ Daily Hells Gate abundance estimate; actual daily count has been expanded.

* Two vessels fishing



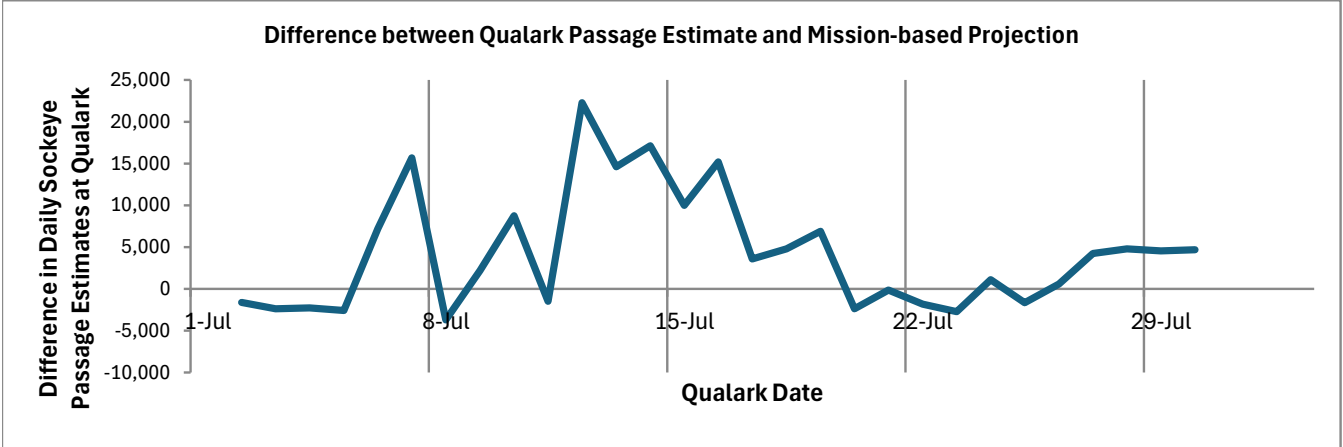
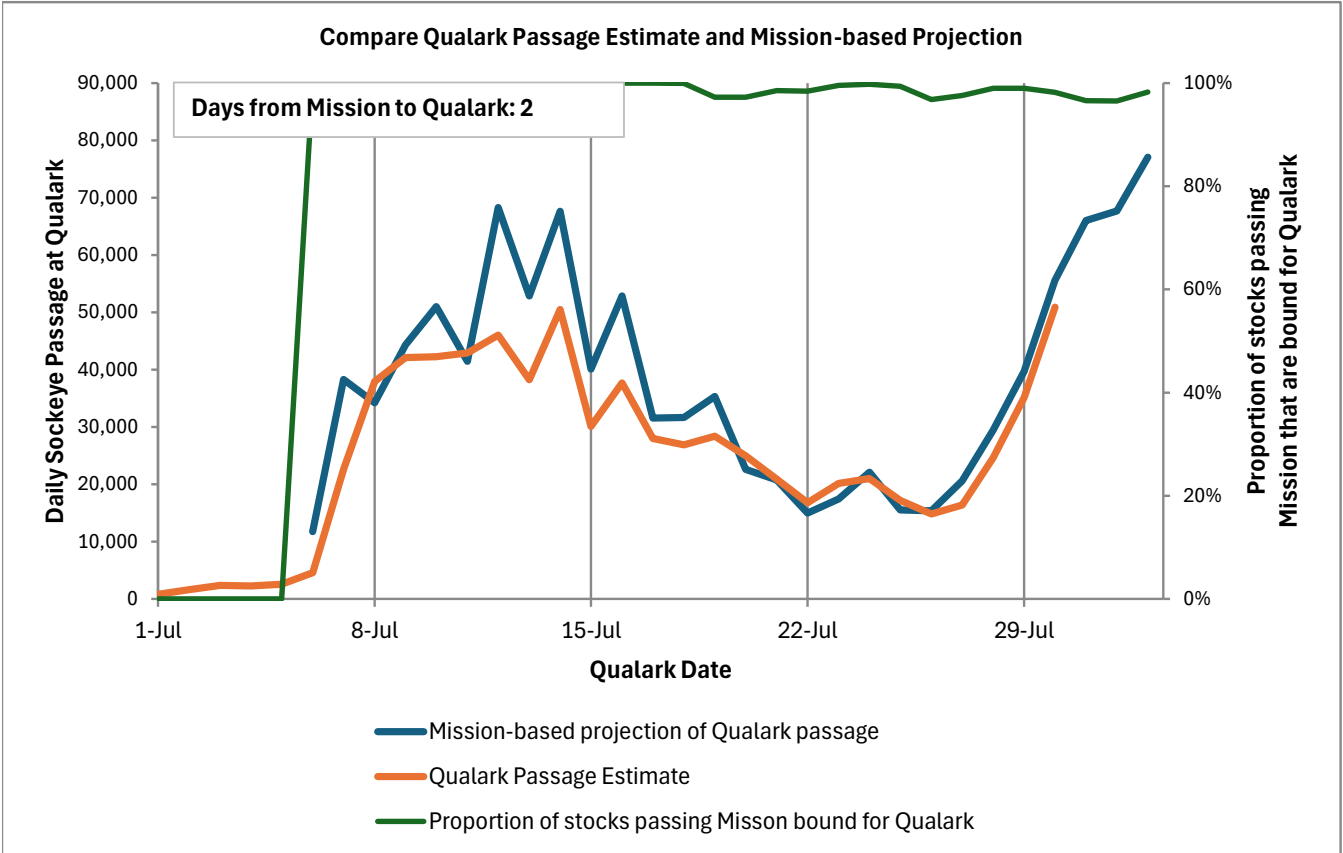
5b. Comparison of predictions from Mission to Qualark

Year: 2025

Date: 1-Aug-25

Time: 9:47 AM

	All Days	*Common Days
Mission projection	1,086,295	875,469
Qualark estimate	750,797	741,153
	Difference	134,317
	%Difference	15%



5d. Fraser River Sockeye Salmon Stock identification Review

Recent stock composition estimates for sockeye salmon

Fishing						Fraser-only Stock Proportions by Reporting Group ⁴ (%)													Age (%)			
						Early Stuart	Early Summer					Summer					Late			Overall Stocks		
							Nadina Bowron				Early Summer sub-total	Summer				Summer sub-total	Late			Late sub-total		
							Pitt Alouette	Gates Nahat-latch	Early Thompson	Harri-son		Late Stuart	Chilko Ques-nel	Raft North Thompson	Birken-head Big Silver		Late Shuswap Portage	Weaver Cultus				
Area/Gear ¹	Sector ²	Date	Type ³	Size (n)	%Fraser	Early Stuart	Chilli-wack	Coquit-lam	Taseko	Thomp-son	Early Summer sub-total	Widg-eon	Stuart	Stellako	Ques-nel	Thomp-son	Summer sub-total	Birken-head Big Silver	Late Shuswap Portage	Weaver Cultus	Late sub-total	Age-4 ₂
Johnstone Strait & Queen Charlotte Strait																						
A12 gn	tf	Jul24-25	DNA	52	65%	0%		3%	9%	5%	17%		22%	61%			83%				0%	98%
A12 gn	tf	Jul26-28	DNA	78	64%	0%			6%		6%		44%	50%			94%				0%	94%
A12 ps	tf	Jul 27	DNA	98	92%	0%			3%	11%	14%		53%	26%	2%		81%	1%	3%		4%	100%
A12 ps	tf	Jul 29	DNA	100	95%	0%			4%	1%	5%		59%	32%			90%		0%	4%	4%	98%
A12 gnps		Aug 3	Prediction	1	99%	0%			3%	1%	4%		54%	40%			94%			2%	2%	NA
Juan de Fuca Strait & Washington & Other																						
A20 gn	tf	Jul 26	DNA	99	100%	1%		2%	7%	4%	13%		51%	32%	1%		83%	2%			2%	95%
A20 ps	tf	Jul 27	DNA	100	94%	0%		1%	6%	12%	19%	6%	42%	26%	1%		75%	4%	2%	1%	6%	92%
A20 gn	tf	Jul 29	DNA	95	99%	0%	1%	2%	9%	10%	22%		31%	45%			75%	3%			3%	94%
A20 ps	tf	Jul 30	DNA	100	93%	0%			1%	2%	3%	2%	57%	36%	1%		96%			1%	1%	99%
A20 gnps		Aug 3	Prediction	1	96%	0%	0%	0%	3%	2%	6%	1%	52%	38%	1%		92%	2%		1%	2%	NA
In-river																						
AB gn	tf	Jul26-27	DNA	100	100%	22%	1%	1%	14%	7%	23%		34%	21%			55%				0%	100%
AB gn	tf	Jul28-30	DNA	74	100%	0%			12%	1%	13%		55%	29%	1%		86%	1%			1%	95%
BB gn	tf	Jul 27	DNA	50	100%	13%	2%		9%	19%	30%		38%	19%			57%				0%	98%
BB gn	tf	Jul28-29	DNA	99	100%	3%	1%	2%	10%	7%	20%	1%	53%	21%			75%	2%			2%	98%

Notes for sockeye and pink tables:

¹ BB GN=29_13 (Brownsville), AT = Alaska Twist, AB GN=29_16 (Whonnock), MA FW=Matsqui Fish Wheel, QU GN=Qualark

² TF=sample from test fishery catch, CM=sample from commercial catch, C&S=ceremonial & subsistence catch, FSC=food, social, & ceremonial catch, rec= recreational catch

³ Predictions for sockeye are multinomial extrapolations of current year data to 5 days after the last observation; Predictions for pink salmon are projections of stock compositions based on historic and current data

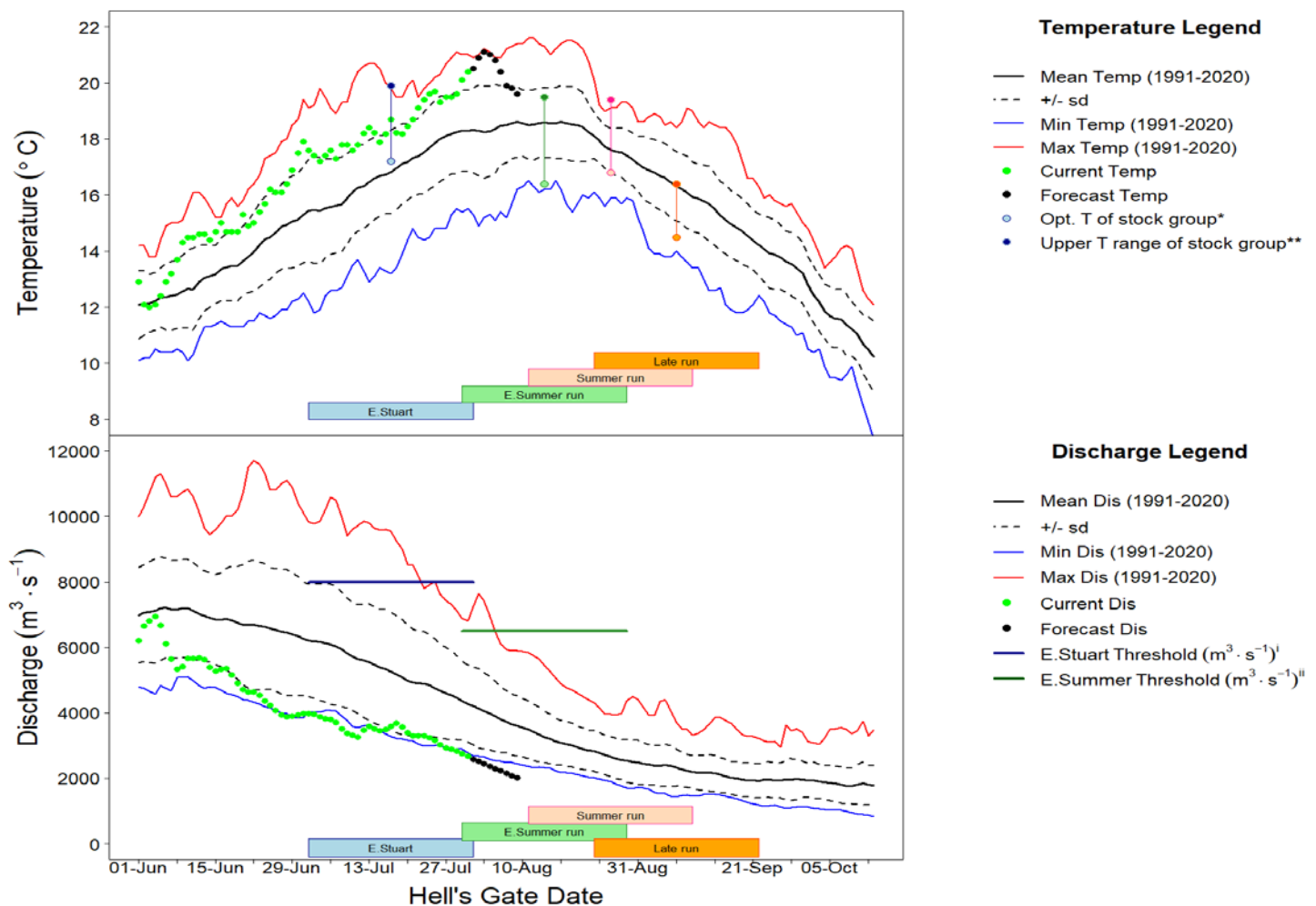
⁴ Further information relating stock group descriptions to spawning ground locations and population definitions can be found at http://www.psc.org/FRPWeb/Escapement/PSC_Fraser_Sockeye_Stock_Group_Definitions.pdf

Results in grey text have been presented to the Panel previously

Fraser River Environmental Report for July 31, 2025

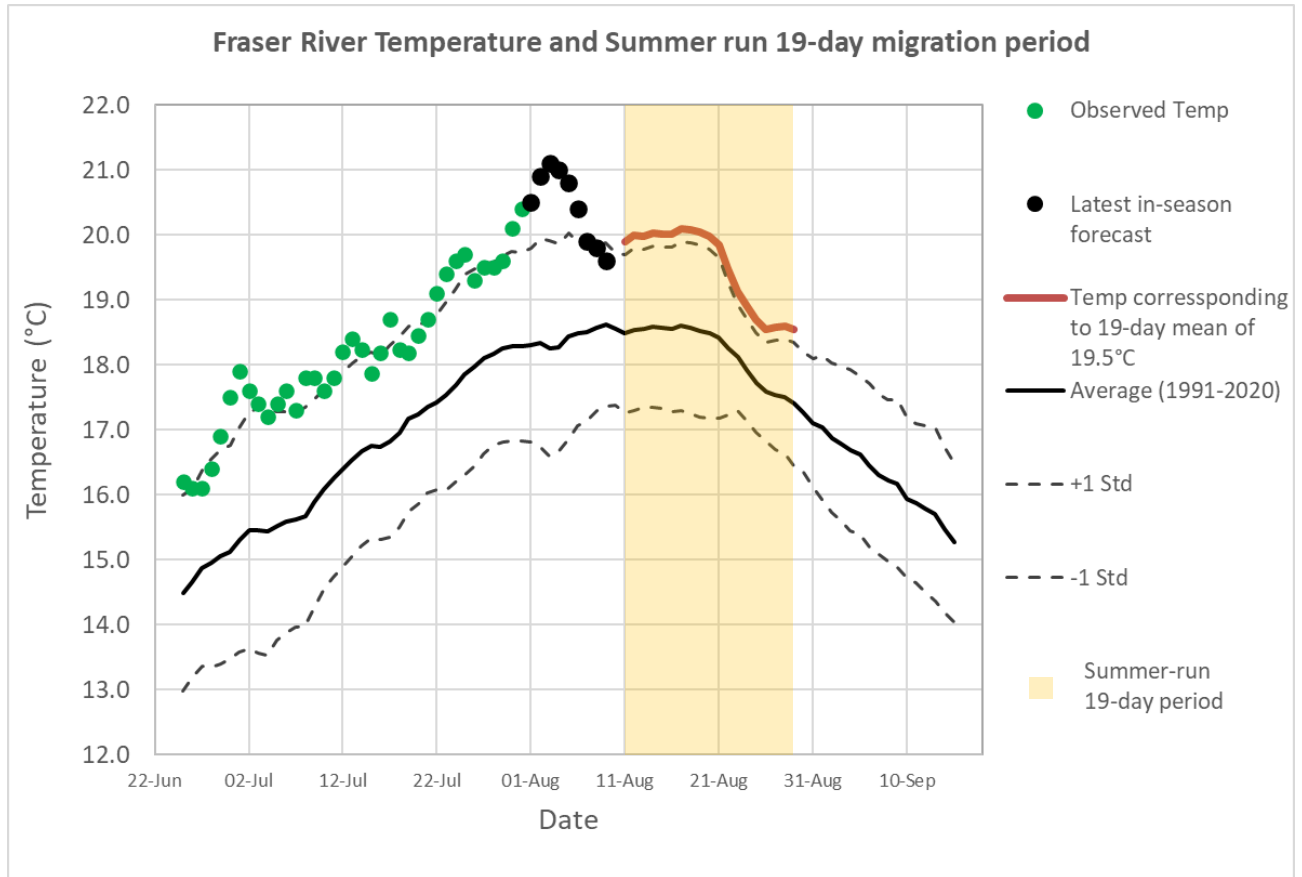
Observed Fraser River Temperature at Qualark for 31-Jul	20.4°C
Average (1991-2020) Historical Temperature on this day	18.3°C
Deviation from Average	2.1°C
Forecast Temperature for 06-Aug-25	20.4°C
The forecast in Kamloops and Prince George is for variable temperature through the forecast period.	

Observed Fraser River Discharge at Hope for 31-Jul	2677 m ³ ·s ⁻¹
Average (1991-2020) Historical Discharge on this day	4274 m ³ ·s ⁻¹
% above or below Historical Discharge	-37%
Forecast Discharge for 06-Aug-25	2227 m ³ ·s ⁻¹
The forecast in Kamloops and Prince George is for 8 mm and 32 mm precipitation, respectively.	



Run timing bars represent a 31 day spread of the run centered around the Hell's Gate date. Hell's gate timing is 5 days from Mission for Early Stuart and Late run; and 4 days from Mission for Early Summer and Summer run. ⁱpMA is the proportional increase to spawning escapement targets to help ensure targets are achieved. ⁱⁱ%DBE is %difference between estimates of potential spawning escapement and spawning escapement. *This is the optimum temp for aerobic swimming - T_{opt} (Eliason et al. (2011). Science 332: 109-112)**This is the upper range of the optimum temp for aerobic swimming - T_{pejus}. ⁱDischarge threshold of 8000cms for Early Stuart from Macdonald (2000). Can. Tech. Rep. Fish. Aquat. Sci. 2315: 120p. ⁱⁱDischarge threshold of 6500cms for Early Summer run from Macdonald et al. (2010). Trans. Am. Fish. Soc. 139: 768-782. 19 days of T & Q data are required to calculate a pMA - 15 days before the Hell's Gate Date and 3 days after. MA estimates can be calculated 4 days after the Area 20 date.

5eii. pDBE forecast and sensitivity analysis



Seiii. Current temperatures in areas of the Fraser Watershed

Current Temperatures					
Map #	30-Jul	Daily Mean	Historic Mean	Deviation from Historical Mean	Historic Year Range
<u>Fraser River Mainstem</u>					
1	Fraser River @ Qualark	20.1	18.3	1.8	1991-2020
2	Fraser River @ Texas Creek	na	18.2	na	2006-2024
3	Fraser River @ Marguerite	19.9	18.3	1.6	2015-2024
4	Upper Fraser @ Shelley	17.8	15.2	2.6	1994-2024
<u>Fraser River Tributaries</u>					
5	Thompson R. @ Ashcroft	19.5	17.8	1.7	1995-2024
6	South Thompson @ Chase	21.5	19.3	2.2	1994-2024
7	North Thompson @ McLure	18.5	15.6	2.9	2006-2023
8	Quesnel R. @ Quesnel	18.3	16.1	2.2	2000-2024
9	Nechako R. @ Isle Pierre	20.1	19.2	0.9	2006-2024
10	Stuart R. @ Ft. St. James	20.1	18.3	1.8	2000-2024



5eiv. TNG Taskforce update

Summary of TNG-led Emergency Salmon Task Force Weekly Data Report July 22 – 28, 2025

For the complete weekly report please see the FRTC distribution: [2025 07 24 Distribution.pdf](#)

Key observations from this week include:

- Salmon passage continues past the slide and passage rates (number of fish per day) have increased for salmon above 80 cm and from 65 to 79 cm in length (Section 2.1). Total daily counts increased consistently across the week, with a total of 1,033 salmon observed across all size bins and a total cumulative count of 2,173 salmon since the start of the program on June 25. There was no detectable disruption of salmon migration upstream of the slide site following turbidity spikes on July 19 and 21.
- Turbidity downstream of the slide site (Farwell Canyon) has stabilized since last week, with a single spike above 500 NTU (to a maximum of 669 NTU) for a duration of 1.5 hours on July 22. This is in comparison to multiple spikes above 1,000 NTU (to a maximum of 6,647 NTU) for 3 to 12 hours during Week #4.
- Continued elevated turbidity in the Chilcotin River downstream of the slide site (Farwell Canyon) compared to upstream of the slide site (Hanceville), as indicated by turbidity monitoring and satellite imagery (Section 3.1).
- Continued elevated turbidity in the Fraser River downstream of the Chilcotin River confluence (Gang Ranch), compared to upstream of the Chilcotin River confluence (Sheep Creek) as indicated by turbidity monitoring and satellite imagery (Section 3.2).

5ev. Report on Fish Condition

Date of Power BI Report
01-Aug-25 11:39

Latest Data Entry Date
30-Jul-25 00:00

Mid-Fraser Biological Condition and Number of Sockeye Inspected

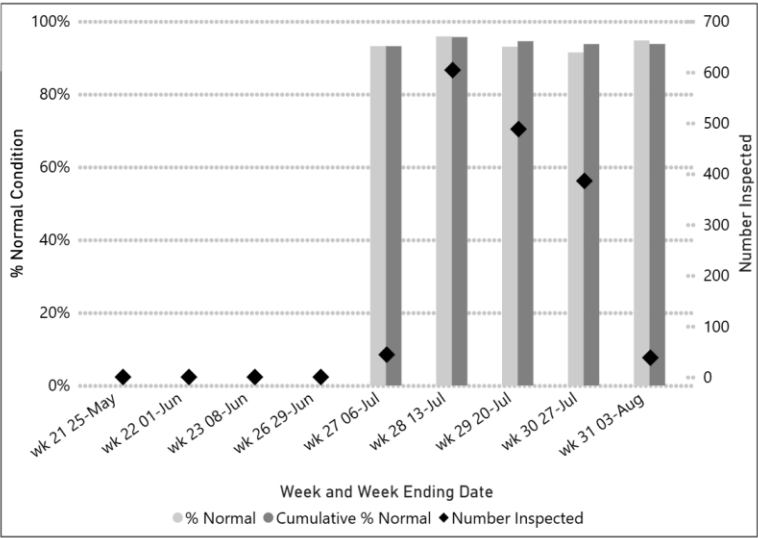
Sockeye health observations are collected during patrols (Helicopter, Boat, Vehicle, Foot, and Access) and when either harvested sockeye or sockeye migration in the river is observed. Qualark reports are included as well. This information is updated twice a week in-season, generally for mid-day Tuesdays and Thursdays. Data is in-season and subject to change as addition information is received and analyses are reviewed. *Normal Condition Fish* do not show evidence of any marks (e.g. no marks on gill and body, no hook marks or open wounds)

Observations by Week

Row Labels	Observations
wk 20 18-May	No Monitoring
wk 21 25-May	No fish observed
wk 22 01-Jun	No fish observed
wk 23 08-Jun	No fish observed
wk 24 15-Jun	No Monitoring
wk 26 29-Jun	No fish observed
wk 27 06-Jul	No fish observed
wk 28 13-Jul	48 fish holding - Kanaka Creek
wk 29 20-Jul	200 fish holding - Bridge River
wk 30 27-Jul	8 fish holding - Kanaka Creek
wk 31 03-Aug	

Sample Size by Site

Week and Week End Date	Qualark	Total
wk 27 06-Jul	44	44
wk 28 13-Jul	604	604
wk 29 20-Jul	488	488
wk 30 27-Jul	74	74
Total	1,210	1,210

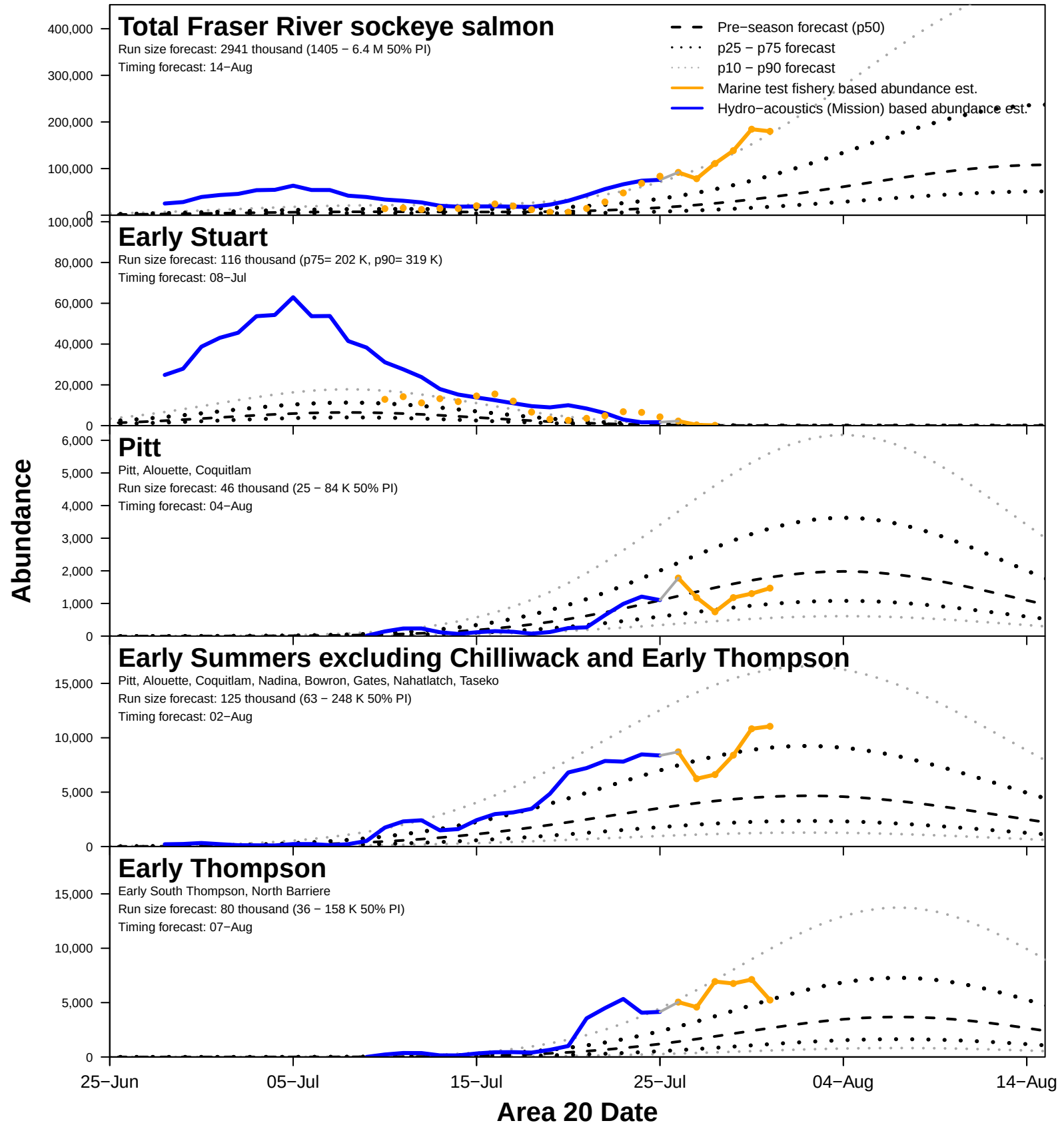


5evi. Spawning ground reports

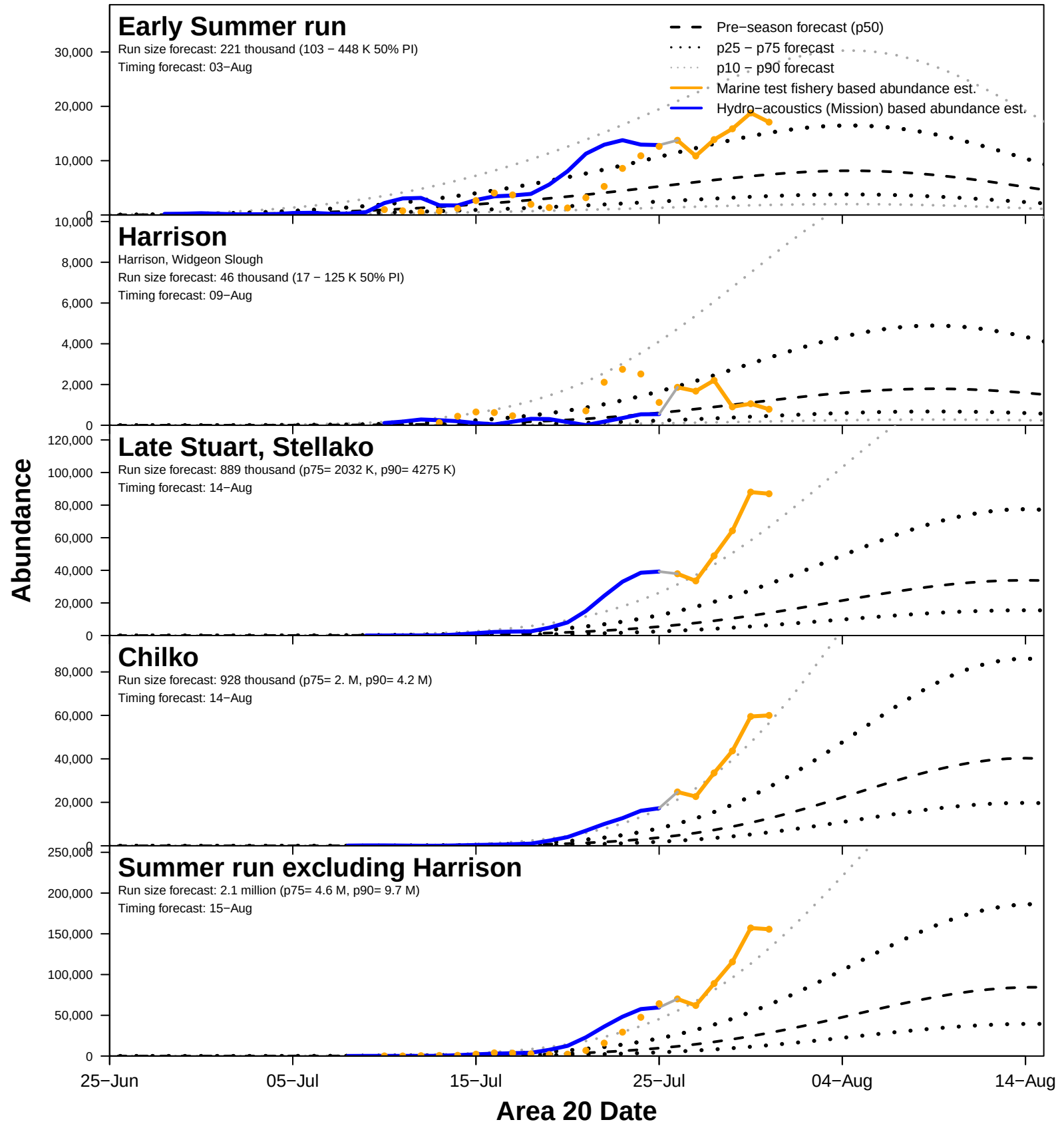
Table 1. Fraser River Sockeye escapement - 2025 in-season update #2.

Stock	Survey Method	Start Date	End Date	No. to Date	Spawning	Water Temp.	Water Conditions	Fish Condition
EARLY STUART								
Early Stuart	Visual survey	20-Jul	Ongoing		Primarily holding, some spawning	7.3-18	Moderate water levels in most creeks	Appear healthy
SUMMER								
Stellako (includes Nadina River)	Hydroacoustics	25-Jul	Ongoing	27	Migrating	15		

6a. 2025 Fraser River sockeye salmon daily migration



6a. 2025 Fraser River sockeye salmon daily migration



6b. 2025 Fraser River sockeye abundance en-route to Mission

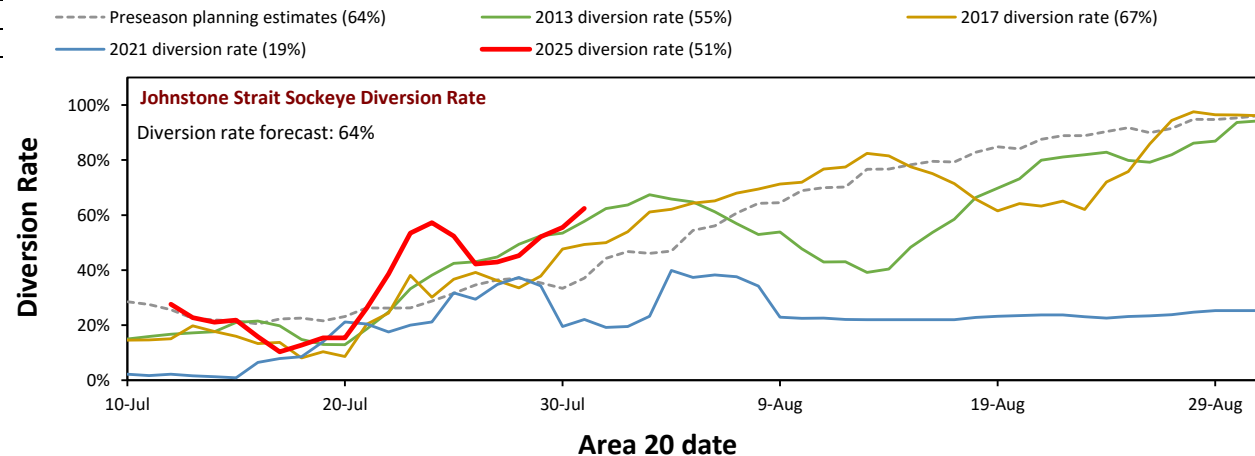
Current date: 01-Aug

	Escapement past Mission through 31-Jul	Projected abundance en route to Mission based on marine test fishery data ^{1,2}								Escapement + projections through 06-Aug	
Area 20 date		26-Jul	27-Jul	28-Jul	29-Jul	30-Jul	31-Jul	Total	80% PI ³		
Mission date		01-Aug	02-Aug	03-Aug	04-Aug	05-Aug	06-Aug		10p	90p	
Total Fraser	1,105,600	95,100	85,900	52,900	193,200	168,300	190,800	786,200	468,800	1,188,800	1,891,800
Early Stuart	732,500	800	300	0	0	0	0	1,100	500	2,300	733,600
Early Summer Run	105,200	13,200	13,800	5,500	22,400	19,500	14,500	88,900	43,600	184,000	194,100
Chilliwack	4,400	0	100	100	900	1,200	400	2,700	1,300	5,600	7,100
Pitt/Alouette/Coquitlam	5,700	2,300	1,100	100	1,000	2,400	500	7,400	3,600	15,300	13,100
Nadina group ⁴	69,100	7,100	5,300	2,700	9,600	9,200	9,900	43,800	21,500	90,700	112,900
Early Thompson ⁵	26,000	3,800	7,300	2,600	10,900	6,700	3,700	35,000	17,200	72,500	61,000
Summer Run	264,000	78,900	65,900	45,500	161,500	141,700	170,400	663,900	405,000	956,000	927,900
Harrison / Widgeon ²	4,600	0	4,500	500	1,600	600	900	8,100	4,900	11,700	12,700
Late Stuart / Stellako	171,800	43,600	32,300	24,100	89,900	78,500	95,100	363,500	221,700	523,400	535,300
Chilko	73,300	25,800	24,300	17,600	58,400	54,600	65,100	245,800	149,900	354,000	319,100
Quesnel	13,400	8,800	3,900	2,800	8,800	7,600	8,900	40,800	24,900	58,800	54,200
Raft / North Thompson	900	700	900	500	2,800	400	400	5,700	3,500	8,200	6,600
Late Run	3,900	2,200	5,900	1,900	9,300	7,100	5,900	32,300	19,700	46,500	36,200
Birkenhead / Big Silver	3,600	2,200	3,200	600	1,600	0	1,700	9,300	5,700	13,400	12,900
Late Shuswap / Portage ²	200	0	2,100	1,200	3,300	0	0	6,600	4,000	9,500	6,800
Weaver / Cultus ²	100	0	600	100	4,400	7,100	4,200	16,400	10,000	23,600	16,500

¹ En route catches are incomplete: catches from present and future fisheries must be deducted from projections and added to the catches removed² Projected abundances en route to Mission include Harrison and Late runs, an uncertain number of which are expected to delay³ 80% Probability Interval: there exists an 80% chance that the true abundance lies within this interval⁴ Nadina / Bowron / Gates / Nahatlatch / Taseko⁵ Early South Thompson / North Barriere

6c. 2025 Fraser River sockeye diversion rates through Johnstone Strait

	5-day-average
Diversion rate	62%



6e Fraser River run size and timing estimates

The information presented on this page has been prepared by PSC Secretariat Staff. All in-season estimates of run size and timing should be considered draft preliminary estimates unless adopted by the Fraser River Panel.

Preseason forecasts, inseason estimates, and official estimates of run size and associated timing

	Run Size						Run Size Components			Run Timing ¹					
	Inseason Adopted	Preseason Forecast	Inseason estimate	Inseason 80% Pls ²		Method	Catch + Escapement	6-day Projection ³	Seaward Abundance	Inseason Adopted	Preseason Forecast	Inseason estimate	Inseason 80% Pls ²		Method
				10% PI	90% PI								10% PI	90% PI	
Early Stuart Run	725,000	116,000	✔ 737,000	737,000	738,000	Recon	736,000	1,000	0	06-Jul	08-Jul	06-Jul	06-Jul	06-Jul	Recon
Early Summer Run	NA	221,000	◇ 296,000	155,000	703,000	Sum	107,000	93,000	96,000	NA	03-Aug	29-Jul	25-Jul	15-Aug	50% Date
Chilliwack		15,000	● 5,000	4,000	10,000	Recon(2)	4,000	1,000	0		18-Jul	22-Jul	21-Jul	29-Jul	Recon(2)
Nadina Group ⁴		80,000	◇ 165,000	119,000	252,000	p75 Forecast	71,000	50,000	44,000		31-Jul	28-Jul	24-Jul	08-Aug	50% Date
Pitt/Alouette/Coquitlam		46,000	◇ 46,000	14,000	142,000	p50 Forecast	6,000	7,000	33,000		04-Aug	04-Aug	25-Jul	14-Aug	p50 Forecast
Early Thompson ⁵		80,000	◇ 80,000	18,000	299,000	p50 Forecast	26,000	35,000	19,000		07-Aug	07-Aug	30-Jul	15-Aug	p50 Forecast
Summer Run	NA	2,136,000					267,000	664,000		NA	15-Aug				
Harrison / Widgeon		46,000					5,000	8,000			09-Aug				
Late Stuart / Stellako		889,000					174,000	363,000			14-Aug				
Chilko		928,000					74,000	246,000			14-Aug				
Quesnel		260,000					14,000	41,000			18-Aug				
Raft / North Thompson		14,000					1,000	6,000			23-Aug				

¹ Run timing refers to the date when 50% of the run migrated past the Area 20 reference point.

² 80% Probability Interval: there exists an 80% chance that the true abundance lies within this interval

³ Normally based on test fishery data. Based on Model if Method = Recon(2).

⁴ Nadina / Bowron / Gates / Nahatlatch / Taseko.

⁵ Early South Thompson / North Barriere.

Methods for run size & timing estimation

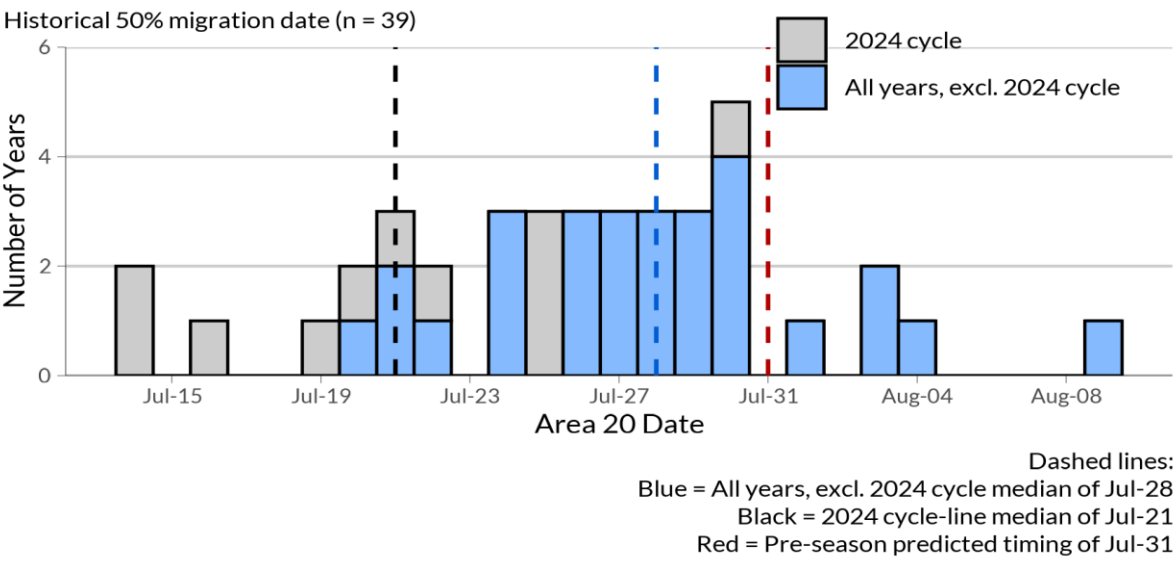
p50 forecast	Preseason forecast level
p75 forecast	Preseason forecast level
Recon	Catch + escapement + 6-day test fish projection + model seaward projection
Recon(2)	Catch + escapement + model projections
50% Date	Double the reconstructed abundance observed at the assumed 50% date
Sum	Sum of individual groups

Run Size Uncertainty Legend[†]

- ✔ ≥ 95% of the run size has been accounted for in catch + escapement. The CV associated with the run size is < 5%. Clear indication of run size; minor run size updates still expected
- ≥ 70% of the run size has been accounted for in catch + escapement. The CV associated with the run size is < 20%. Good indication of run size; peak fo the run has been observed at Mission, uncertainty relates to 6 day projection and seaward abundance
- ▲ ≥ 50% of the run size has been accounted for in catch + escapement. The CV associated with the run size is < 35%. Decent indciation of run size.
- ◇ < 50% of the run size has been accounted for in catch + escapement. The CV associated with the run size can be as high as 80%. Uncertain or early indciation of run size based on marine data

[†] The Run Size Uncertainty Indicator is a categorical indication of the degree of uncertainty present in the run size estimate. Estimates are categorized quantitatively based on the proportion of the run that has been accounted for with high certainty in catch + escapement.

Nadina, Bowron, Gates, Nahatlatch, Taseko



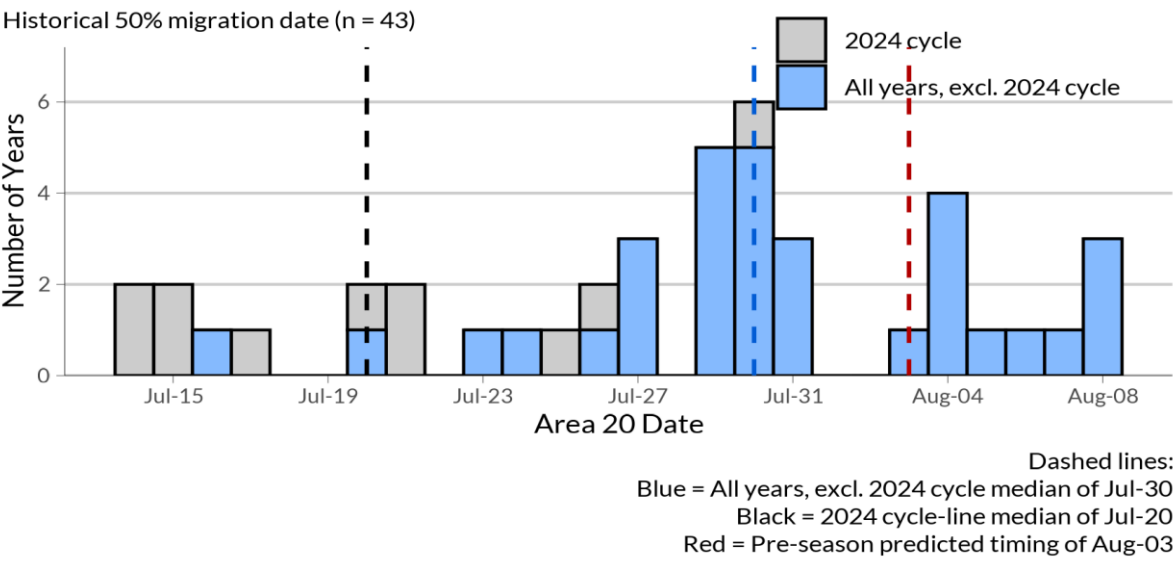
Nadina group run size based on timing

Catch+Escapement To Date:	70,000		
6-day Projection:	50,000		
	Method	Run Size*	% Seaward
Based on timing of 25-Jul	50% Date	139,000	50%
Based on timing of 28-Jul	50% Date	169,000	59%
Based on timing of 31-Jul	50% Date	227,000	69%
Based on timing of 03-Aug	% Seaward	306,000	77%
Based on timing of 06-Aug	% Seaward	434,000	84%

*Based on % seaward in 2013, 2017 and 2021 if timing is later than 31-Jul

*Equal to double the reconstructed abundance if timing is earlier than 01-Aug

Early Summer



Early Summer run size based on timing

Catch+Escapement To Date:	106,000		
6-day Projection:	93,000		
	Method	Run Size*	% Seaward of Mission
Based on timing of 30-Jul	50% Date	361,000	71%
Based on timing of 01-Aug	% Seaward	398,000	73%
Based on timing of 03-Aug	% Seaward	459,000	77%
Based on timing of 05-Aug	% Seaward	561,000	81%
Based on timing of 07-Aug	% Seaward	735,000	86%

*Based on % seaward in 2013, 2017 and 2021 if timing is later than 31-Jul

*Equal to double the reconstructed abundance if timing is earlier than 01-Aug

6f. Predicted Summer run Available Harvest based on run size and pDBE scenarios

Available harvest is equal to Run size minus the SET, MA and TF deduction. AFE has not been removed.

				Preseason T&Q Model	If Temp > 19.4 °C use Median of high Temp (> 19.4 C°) years
				-22%	-35%
				0.28	0.54
				Available Harvest	Available Harvest
p75	Run Size	SET	TF		
	4,748,900	2,374,500	29,350	1,680,200	1,062,800
p50	2,136,100	1,470,000	19,413	235,100	0
p25	991,400	991,400	11,296	0	0
	4,800,000	2,400,000	29,350	1,698,700	1,074,700
	4,650,000	2,325,000	28,447	1,645,600	1,041,100
	4,500,000	2,250,000	27,543	1,592,500	1,007,500
	4,350,000	2,175,000	27,543	1,538,500	973,000
	4,200,000	2,100,000	26,640	1,485,400	939,400
	4,050,000	2,025,000	26,640	1,431,400	904,900
	3,900,000	1,950,000	25,737	1,378,300	871,300
	3,750,000	1,875,000	24,833	1,325,200	837,700
	3,600,000	1,800,000	24,833	1,271,200	803,200
	3,450,000	1,725,000	23,930	1,218,100	769,600
	3,300,000	1,650,000	23,026	1,165,000	736,000
	3,150,000	1,575,000	23,026	1,111,000	701,500
	3,000,000	1,500,000	22,123	1,057,900	667,900
	2,850,000	1,470,000	22,123	946,300	564,100
	2,700,000	1,470,000	21,220	797,200	415,000
	2,550,000	1,470,000	20,316	648,100	265,900
	2,400,000	1,470,000	20,316	498,100	115,900
	2,250,000	1,470,000	19,413	349,000	0
	2,100,000	1,470,000	18,675	199,700	0

6g. Fishing Decisions Table

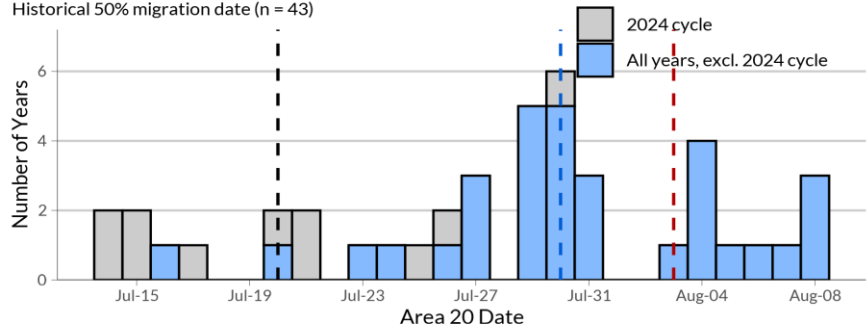
Comparisons for Fishing Decisions: Based on Information Available on Friday August 01, 2025

Compare observed reconstructions of abundance and stock ID to the modelled expectations up until the specified Area 20 dates to determine if observed values are consistent with pre-season conditions used for fisheries planning.

				Total Reconstructed Abundance		Reconstructed Stock ID %		Int'l TAC
				Area 20	Mission	A20	A12	
Assumed A20 50% Date Days offset from pre-season forecast				Cumulative Through: 31-Jul		Last A20 Sample: 29-Jul		
Early Summer	Pre-Season Model Expectations	03-Aug	0	91,490	51,157	22%	24%	0
	Current Timing Assumption	03-Aug	0	91,490	51,157	22%	24%	
		26-Jul	-8	153,567	107,007	10%	11%	
		19-Jul	-15	194,476	160,640	5%	5%	
	Reconstructions (compare to model expectations)			195,030 Last GN Sample	105,925 28-Jul	8% 19%	10% 6%	----
Summer								
	Pre-Season Model Expectations	15-Aug	0	171,345	48,923	72%	73%	0
	Current Timing Assumption	15-Aug	0	171,345	48,923	72%	73%	
		06-Aug	-9	654,762	287,464	79%	82%	
		03-Aug	-12	894,050	449,064	79%	83%	
Reconstructions (compare to model expectations)			931,168 Last GN Sample	265,522 28-Jul	89% 78%	86% 94%	----	

Early Summer

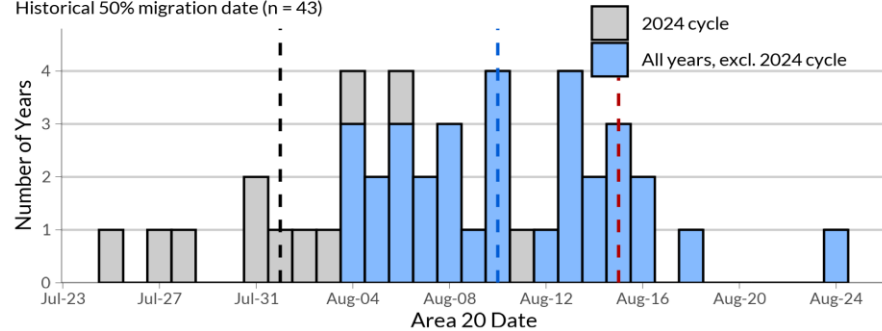
Historical 50% migration date (n = 43)



Dashed lines:
Blue = All years, excl. 2024 cycle median of Jul-30
Black = 2024 cycle-line median of Jul-20
Red = Pre-season predicted timing of Aug-03

Summer

Historical 50% migration date (n = 43)



Dashed lines:
Blue = All years, excl. 2024 cycle median of Aug-10
Black = 2024 cycle-line median of Aug-01
Red = Pre-season predicted timing of Aug-15

7a Recommendations on Run Size, Timing, and MA

The following table presents the run size recommendations from PSC staff. These numbers may deviate from the model derived run size estimates as additional consideration is given to the potential strength of the tail of the run based on past observations. The Panel may either accept or reject the run size recommendations or propose alternative estimates. The run size estimates presented here may not reflect the final estimates adopted by the Fraser River Panel. The recommended timing estimates are dependent on the recommended run size estimates.

Management Group	PSC Staff Recommendation	Run Size		Timing	
		Currently Adopted	PSC staff recommendation	Currently Adopted	PSC Staff recommendation
Early Stuart Run	No recommendation	725,000	NA	06-Jul	NA
Early Summer Run*	Recommendation	221,000	300,000	03-Aug	29-Jul
Summer Run*	No recommendation	2,136,000	NA	15-Aug	NA
Late Run*	No recommendation	468,000	NA	20-Aug	NA
Pink Salmon Run*	No recommendation	27,000,000	NA	21-Aug	NA

* Currently adopted estimates are based on preseason estimates

PSC staff recommends pDBE estimates which will be converted into MA estimates for consideration by the Panel. The Panel may either accept or reject the MA estimates associated with the pDBE recommendations or propose alternative estimates, by incorporating additional information, e.g., natural, environmental or stock assessment factors, that are not accounted for in the current quantitative approach. The Management Adjustment estimates presented here may not reflect the final estimates adopted by the Fraser River Panel.

Management Group	PSC Staff Recommendation	pDBE and associated pMA estimate			
		Currently Adopted		PSC recommendation	
		pDBE	pMA	pDBE	pMA
Early Stuart Run	No recommendation	-0.65	1.86	NA	NA
Early Summer Run*	Recommendation	-0.35	0.54	-0.35	0.54
Summer Run*	No recommendation	-0.22	0.28	NA	NA
Late Run*	No recommendation	-0.61	1.56	NA	NA

* Currently adopted pMA estimates are estimates agreed to by the Fraser River Panel in June, 2025



DRAFT AGENDA
PSC Fraser River Panel Meeting
Via Zoom Webinar: <https://psc-org.zoom.us/j/85284137826>

FRP meeting: Tuesday, August 5, 2025 at 11 am

	1) Roll Call (Panel and Tech members, others please email Angela Xu, frontdesk@psc.org)	5 min	
	2) Webinar Etiquette: mute phone & chat feature	2 min	
☒	3) Agenda	5 min	
	4) Overview of run and catch status	5 min	PSC staff
☒	a) Accounted run to date relative to forecast and adopted run sizes		
☒	b) Catch-to-date by fishery		
☒	c) Release mortalities		
☒	d) TAC table		
	5) Biological information	20 min	PSC staff
☒	a) Test fishing catches and acoustics summary		
☒	b) Comparison of predictions from Mission to Qualark		
☐	c) Species composition review		
☒	d) Stock Identification review		
	e) Management Adjustment (MA) considerations		
☒	i) Environmental report		
☐	ii) pDBE forecast and sensitivity analysis		
☒	iii) Current temperatures in areas of the Fraser Watershed		
☐	iv) TNG Taskforce Update		
☐	v) Report on fish condition		DFO
☐	vi) Spawning ground reports		DFO
	6) Assessment information		PSC staff
☒	a) Daily migration graphs		
☒	b) Predicted abundance en route to Mission		
☒	c) Diversion rate		
☐	d) Technical assessment information		
☒	e) Run size and timing estimates		
☐	f) Predicted allowable harvest based on run size and DBE scenarios		
☒	g) Criteria for fishing decisions table		
☐	h) Catch evaluation		
	7) Recommendations on run size, migration timing and MA		
☒	a) PSC recommendations		PSC staff
	b) Canadian and/or U.S. recommendations		Panel
	c) Panel decision		
	8) Fisheries recommendations		
	a) Canadian and U.S. proposals		Panel
	b) Staff evaluation		PSC staff
	c) Canadian and U.S. evaluation		Panel
	d) Panel decision		
☐	9) Assessments from other areas	5 min	PSC staff
☒	10) Other business: ?	5 min	Panel
☒	11) Next FRP meeting and agenda	2 min	PSC staff/Panel
	12) Next TC meeting:		PSC staff
☒	13) Data acknowledgements		

Legend: ☒ Content included in the distribution

☐ Not included in the distribution due to not relevant for this meeting or no (new) information

Data Acknowledgements

1. Fisheries & Oceans Canada (DFO)
 - Environmental Watch Program
 - DFO South Coast Test Fisheries & Namgis/A-Tlegay Fisheries Partnership
 - DFO Fraser Interior Area Stock Assessment Division
2. T̓silhqot'in National Government (TNG) Task Force (comprised of BC, DFO and TNG's indigenous technical partner, the Upper Fraser Fisheries Conservation Alliance (UFFCA))