



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

FRP meeting: Friday, August 8, 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: Pay fish memo, 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

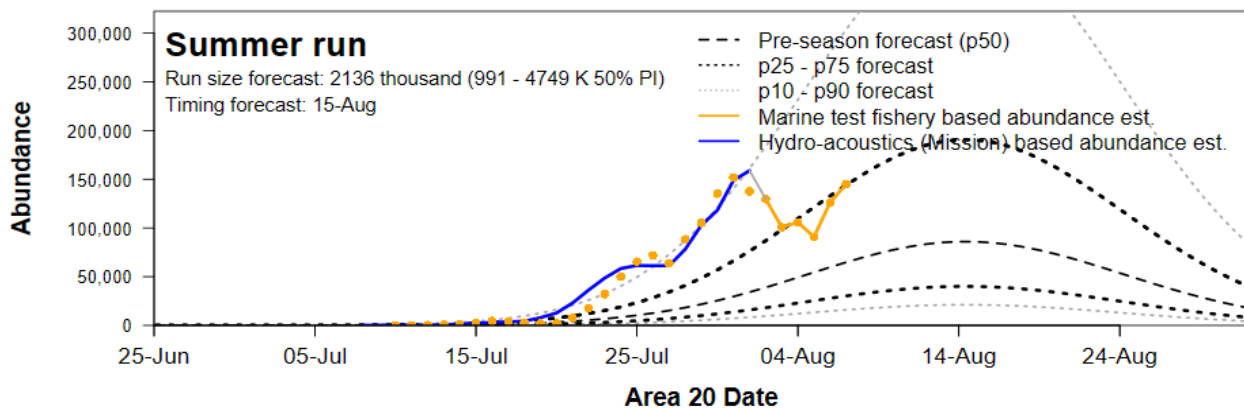
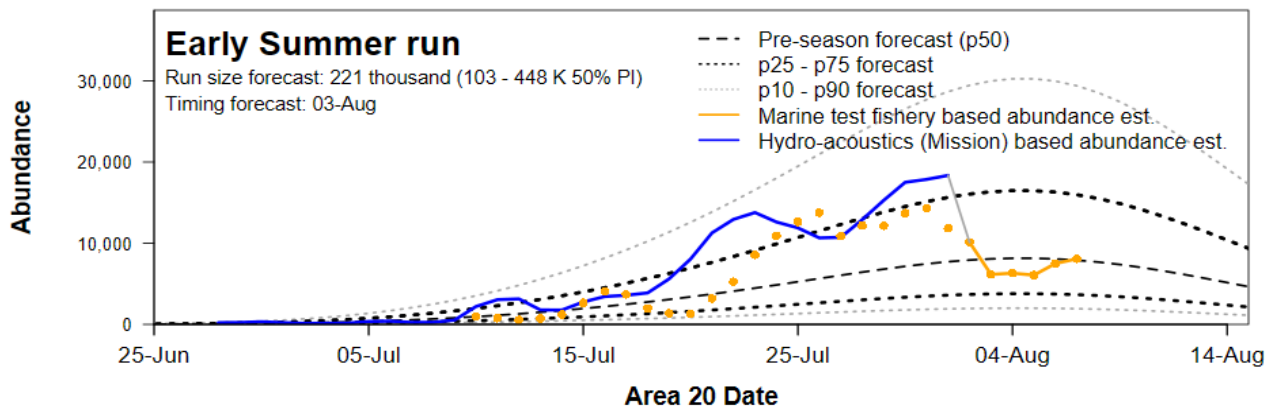
2025 Run status of Fraser sockeye and pink salmon

Date: Aug. 8, 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: Aug. 3 - Aug. 9, 2025	Sockeye					Pink
	Management Group				Total Fraser	Total Fraser
	E.Stuart	E.Summer	Summer	Late		
Mission passage (inclds Pitt, Alouette, Coquitlam)	731,900	206,400	995,900	30,700	1,964,900	8,100
Catch downstream of Mission	3,900	5,100	57,400	3,500	69,900	2,900
Accounted Run To Date	735,800	211,500	1,053,300	34,200	2,034,800	11,000
Run size adopted in-season ¹	725,000	300,000	4,000,000	na	na	na
Run size forecasted pre-season	116,000	221,000	2,136,000	468,000	2,941,000	26,965,000
Area 20 timing adopted in-season	6-Jul	29-Jul	11-Aug	na	na	na
Area 20 timing expected pre-season	8-Jul	3-Aug	15-Aug	20-Aug	14-Aug	21-Aug
Johnstone Str. Diversion Rate					In-season 5-day average	42%
					Preseason forecast of annual rate:	64%
						9%
						36%

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. 8, 2025

Week of: Aug. 3 - Aug. 9, 2025		Sockeye		Pink	
		Total	Fraser	Total	Fraser
Canada		64,823	62,084	20,182	2,335
	Commercial	0	0	0	0
	B Purse Seine	0	0	0	0
	H Troll	0	0	0	0
	First Nations	59,903	57,164	19,886	2,335
	Food, Social & Ceremonial (FSC)	59,903	57,164	19,886	2,335
	Marine	52,495	49,756	19,886	2,335
	Fraser R.	7,408	7,408	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)	166	166	0	0
	Other****	4,754	4,754	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	17,396	16,671	3,127	539
	Panel Waters	12,911	12,658	1,963	422
	Canada	12,167	11,928	1,151	199
	U.S.	744	730	812	223
	Non-Panel Waters**	4,485	4,012	1,164	116
Total		82,219	78,755	23,309	2,874
Catch Seaward of Mission ***		73,374	69,909	23,309	2,874
Catch Upstream of Mission		8,845	8,845	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. 8, 2025

Week of: Aug. 3 - Aug. 9, 2025		Sockeye releases		Release mortality	
		Total	Fraser	Total	Fraser
Canada		1,737	1,737	44	44
	Commercial	0	0	0	0
	B Purse Seine	0	0	0	0
	H Troll	0	0	0	0
	First Nations ****	1,663	1,663	40	40
	Food, Social & Ceremonial (FSC)	1,663	1,663	40	40
	Marine	0	0	0	0
	Fraser R.	1,663	1,663	40	40
	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**	74	74	5	5
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		79,978	75,019	8014	7,518
	Panel Waters	79,977	75,018	8013	7,517
	Canada	79,977	75,018	8013	7,517
	U.S.	0	0	0	0
	Non-Panel Waters	1	1	1	1
Total		81,715	76,756	8058	7,562
Catch Seaward of Mission ***		79,977	75,018	8017	7,521
Catch Upstream of Mission		1,721	1,721	41	41

* 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 7, 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	300,000	4,000,000	468,000	5,493,000	26,965,000		
Adult Spawning Escapement Target (SET)		580,000	150,000	2,000,000	346,500	3,076,500	8,089,500		
%SET from TAM rules		80%	50%	50%	74%		30%		
Management Adjustment (MA)		1,078,800	81,000	560,000	540,540	2,260,340	0		
Proportional MA (pMA)		1.86	0.54	0.28	1.56		0.00		
Adjusted Spawning Escapement Target (SET) *		725,000	231,000	2,560,000	468,000	3,984,000	8,089,500		
Test Fishing (TF)		5,500	3,400	29,350	5,530	43,780	90,000		
Surplus above Adjusted SET & Test fishing		0	65,600	1,410,650	0	1,476,250	18,785,500		
DEDUCTIONS & TAC FOR INTERNATIONAL SHARING									
Aboriginal Fishery Exemption (AFE)		0	23,887	376,113	0	400,000	0		
Total Deductions (Adj. SET + TF + Available AFE)		730,500	258,287	2,965,463	473,530	4,427,780	8,179,500		
Available TAC for International Sharing		0	41,713	1,034,537	0	1,076,250	18,785,500		
UNITED STATES (Washington) TAC									
Proportionally Distributed TAC **		16.5%	0	6,880	170,700	0	177,580	25.7%	4,827,870
U.S. Payback **		-0.2%	0	-90	-2,300	0	-2,390		0
Proportionally Distributed TAC + Payback		0	6,790	168,400	0	175,190	4,827,870		
Treaty Tribes Share **		67.7%	0	4,570	113,260	0	117,830	50.0%	2,413,935
All Citizen Share		32.3%	0	2,220	55,140	0	57,360	50.0%	2,413,935
CANADA TAC									
Aboriginal Fishery Exemption (AFE)		0	23,887	376,113	0	400,000	0		
Canadian TAC + AFE		0	58,810	1,242,250	0	1,301,060	13,957,630		
CATCH-TO-DATE									
Test		5,310	1,710	9,210	430	16,670	540		
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)		790	3,750	49,550	3,080	57,160	2,340		
Planned Charter & Recreational Shares		60	20	90	2	166	0	0	0
Other***		2,650	720	1,380	0	4,750	0	0	0
Total Commercial (including FN EO/Demo****)		0	0	0	0	0	0	0	0
Canada		3,500	4,490	51,020	3,080	62,080	2,340		
Total Catch in All Fisheries		8,810	6,200	60,230	3,510	78,750	2,870		
Exploitation Rate (catch-to-date / run size)		1.2%	2.1%	1.5%	0.8%	1.4%	0.0%		
Fisheries induced mortalities (Canada, U.S. & TF)		58	488	6,498	519	7,562			
Exploit. Rate with fishery-induced mortality included		1.2%	2.2%	1.7%	0.9%	1.6%			
CATCH REMAINING (BALANCE)									
Washington		0	6,790	168,400	0	175,190	4,827,870		
Canada		-3,500	54,320	1,191,230	-3,080	1,238,970	13,955,290		
Balance Remaining [below share / -above share]		-3,500	61,110	1,359,630	-3,080	1,414,160	18,783,160		

* 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

	Johnstone Strait	Juan de Fuca Strait			Fraser River								
Area/Gear Location From A20	A12 PS Blinkhorn (-1 day)	A20 GN* Port Renfrew (0 days)	A20 PS Port Renfrew (0 days)	A5 GN Juan de Fuca (+½ day)	A29-17 GN Brownsville Bar (+5 days)	A29-16 GN Whonnock (+6 days)	Whon CPUE Estimate (+6 days)	GN Catch (+8 days)	Qualark Estimate ¹	Method ²	Mission Hydroacoustics Estimate ³ (+6 days)	Method ⁴	Hells Gate Estimates ⁵ (+10 days)
18-Jul		25			101	1	0.09	71	26,893	RB + LB	23,300	A1+M2+A2	8,830
19-Jul		68			15	4	0.34	52	28,410	RB + LB	21,100	A1+M2+A2	No Count
20-Jul		99			28	1	0.09	52	24,965	RB + LB	15,200	A1+M2+A2	No Count
21-Jul		5			33	18	1.66	61	20,922	RB + LB	17,500	A1+M2+A2	21,480
22-Jul		182			17	17	1.56	57	16,765	RB + LB	22,200	A1+M2+A2	15,390
23-Jul		72			24	18	1.63	61	20,134	RB + LB	15,600	A1+M2+A2	11,990
24-Jul	850 (5 sets)	72			29	13	1.22	69	21,005	RB + LB	15,900	A1+M2+A2	16,040
25-Jul	35 (5 sets)	24	1,612		86	36	3.18	48	17,172	RB + LB	21,100	A1+M2+A2	9,180
26-Jul	1,180	156	1,624		105	71	5.81	34	14,801	RB + LB	29,800	A1+M2+A2	2,920
27-Jul	1,159	36	1,252		125	58	4.80	30	16,386	RB + LB	40,100	A1+M2+A2	430
28-Jul	8,530	24	142 (5 sets)		112	120	9.55	53	24,694	RB + LB	56,600	A1+M2+A2	570
29-Jul	7,240	173	791		157	14	1.27	48	35,144	RB + LB	68,400	A1+M2+A2	No Count
30-Jul	7,847	230	494		241	11	1.05	74	50,906	RB + LB	70,100	A1+M2+A2	5,030
31-Jul	15,310	93	1,592		218	8	0.75	83	62,386	RB + LB	78,400	A1+M2+A2	6,430
1-Aug	2,384	24	3,000		244	53	4.16	79	62,707	RB + LB	75,700	A1+M2+A2	No Count
2-Aug	5,140	80	1,214		435	78	6.25	64	58,059	RB + LB	65,100	A1+M2+A2	53,570
3-Aug	4519 (5 sets)	5	973		490	96	7.57	68	53,426	RB + LB	77,300	A1+M2+A2	60,260
4-Aug	2,530	114	961	636	289	214	17.12	100	72,384	RB + LB	132,600	A1+M2+A2	34,070
5-Aug	1 (2 sets)	21	1,377	108	147	210	16.80	54	55,497	RB + LB	149,900	A1+M2+A2	No Count
6-Aug	913	End	1,080	Did Not Fish	137	210	16.80	120	122,049	RB + LB	127,600	A1+M2+A2	No Count
7-Aug	1,312		5,720		167	397	31.76	165			226,700	A1+M2+A2	109,740
8-Aug													
9-Aug													

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

² Qualark source:

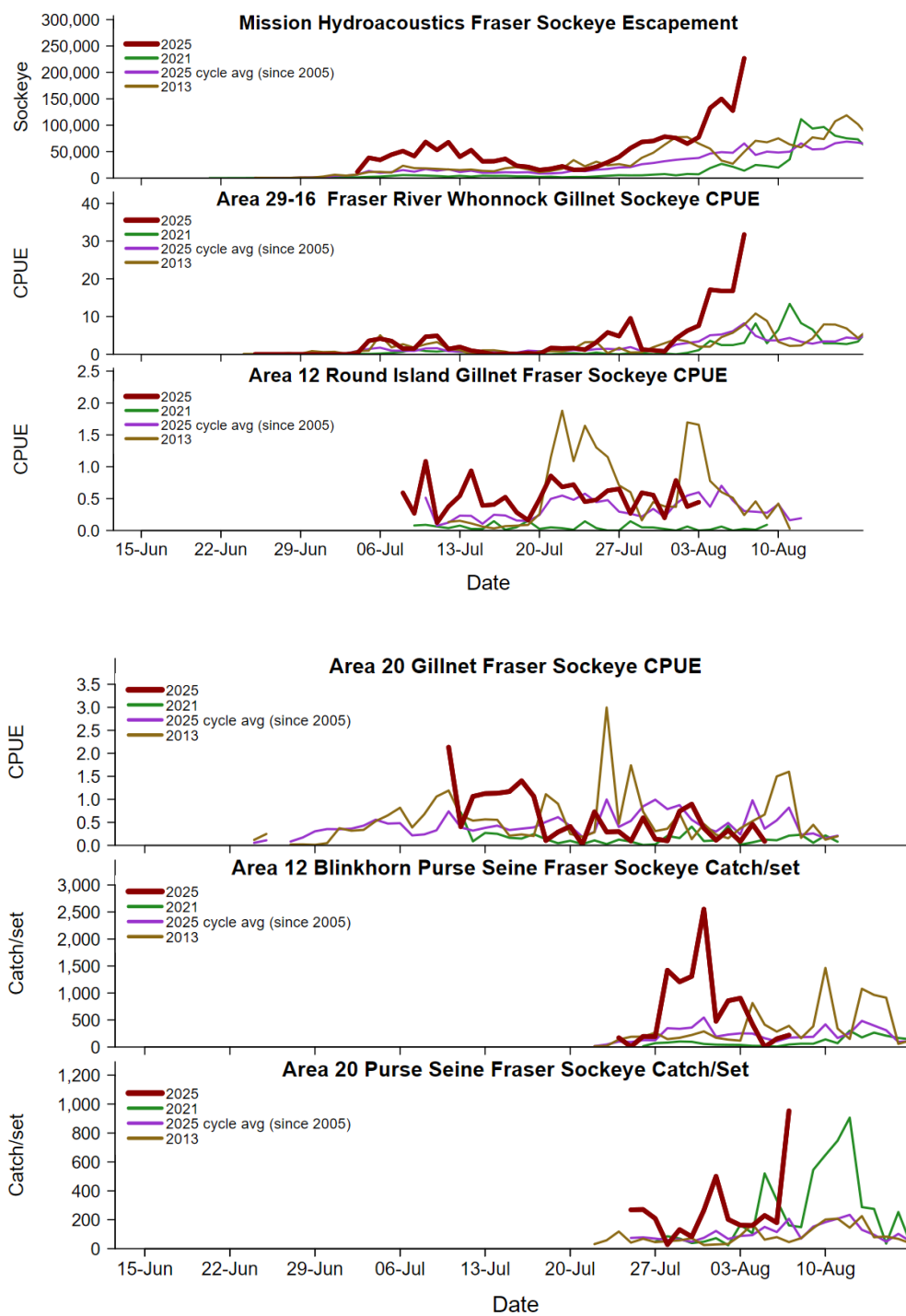
³ Mission escapement estimate - does not include Pitt

⁴ Mission Source:

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

* Two vessels fishing

5a_Test Fishing & Escapement Summary_Sockeye



2025 Fraser Pink Test Fishing & Escapement Summary

	Johnstone Strait	Juan de Fuca Strait				Fraser River							
Area/Gear Location From A20	A12 PS Blinkhorn (- 2 days)	A20 GN * Port Renfrew (0 days)	A20 PS Port Renfrew (0 days)	A5 GN Juan de Fuca (+½ day)	A29-17 GN Brownsville Bar	A29-16 GN Whonnock	Whon CPUE Estimate	GN Catch	Qualark Estimate	Method ¹	Mission Hydroacoustics Estimate	Method ²	Hell's Gate Estimates ³
18-Jul		5			0	0	0.00	0	0	RB + LB	0	A1+M2+A2	0
19-Jul		53			0	0	0.00	0	0	RB + LB	0	A1+M2+A2	No Count
20-Jul		14			0	0	0.00	0	0	RB + LB	0	A1+M2+A2	No Count
21-Jul		0			0	0	0.00	0	0	RB + LB	0	A1+M2+A2	0
22-Jul		19			0	0	0.00	0	0	RB + LB	0	A1+M2+A2	0
23-Jul		9			0	0	0.00	0	0	RB + LB	0	A1+M2+A2	0
24-Jul	2492 (5 sets)	18			0	0	0.00	0	0	RB + LB	0	A1+M2+A2	0
25-Jul	92 (5 sets)	10	257		0	0	0.00	0	0	RB + LB	0	A1+M2+A2	0
26-Jul	1,014	24	86		0	0	0.00	0	0	RB + LB	0	A1+M2+A2	0
27-Jul	1,923	27	117		0	0	0.00	0	0	RB + LB	0	A1+M2+A2	4,380
28-Jul	4,890	16 (5 sets)	309		0	0	0.00	0	0	RB + LB	0	A1+M2+A2	7,480
29-Jul	6,224	114	313		0	0	0.00	0	0	RB + LB	0	A1+M2+A2	No Count
30-Jul	7,502	90	145		0	0	0.00	0	0	RB + LB	0	A1+M2+A2	1,390
31-Jul	11,911	95	5,774		0	0	0.00	0	0	RB + LB	0	A1+M2+A2	20,030
1-Aug	6,384	7	8,265		0	0	0.00	0	0	RB + LB	0	A1+M2+A2	No Count
2-Aug	5,130	153	10,680		0	0	0.00	0	0	RB + LB	0	A1+M2+A2	0
3-Aug	3642 (5 sets)	1	12,115		2	0	0.00	0	0	RB + LB	0	A1+M2+A2	0
4-Aug	3,201	76	4,681	674	0	1	0.08	0	0	RB + LB	2,020	A1+M2+A2	0
5-Aug	173 (2 sets)	22	10,427	138	1	0	0.00	0	0	RB + LB	2,020	A1+M2+A2	No Count
6-Aug	3,260	End	2,956	Did Not Fish	0	0	0.00	0	0	RB + LB	3,030	A1+M2+A2	No Count
7-Aug	6,712		25,344		1	0	0.00	0			1,010	A1+M2+A2	0
8-Aug													
9-Aug													

¹ Qualark source:

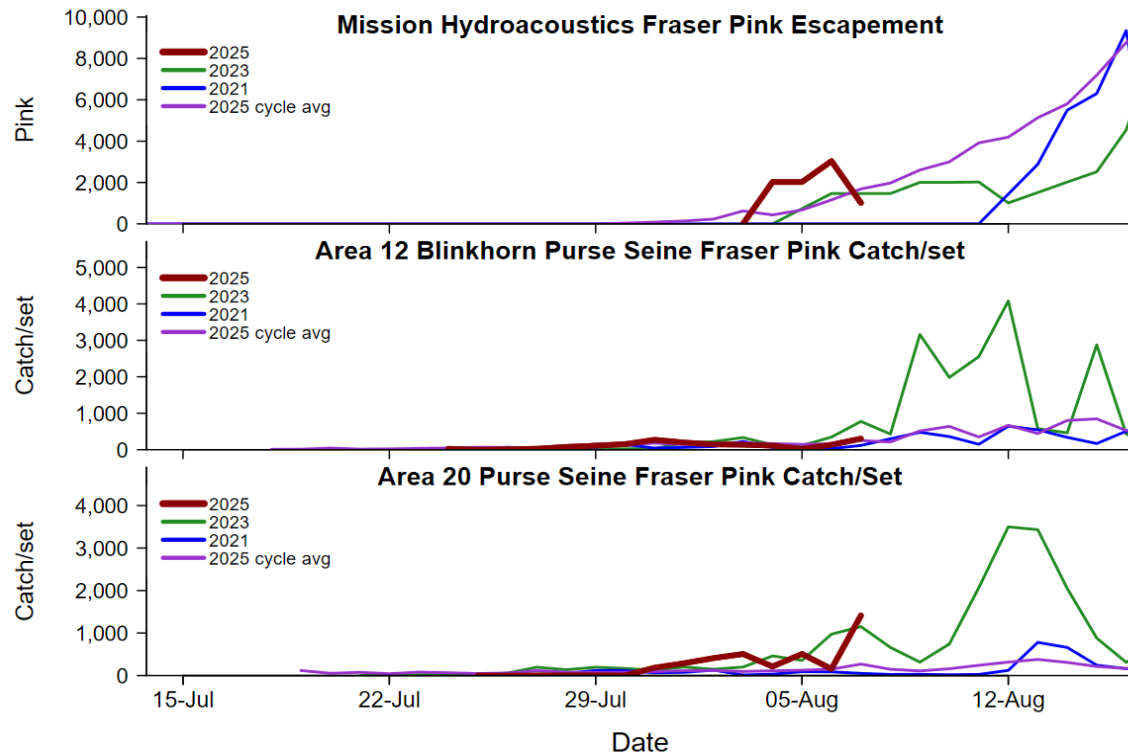
RB + LB = Right-bank (RB) + Left-bank (LB)

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



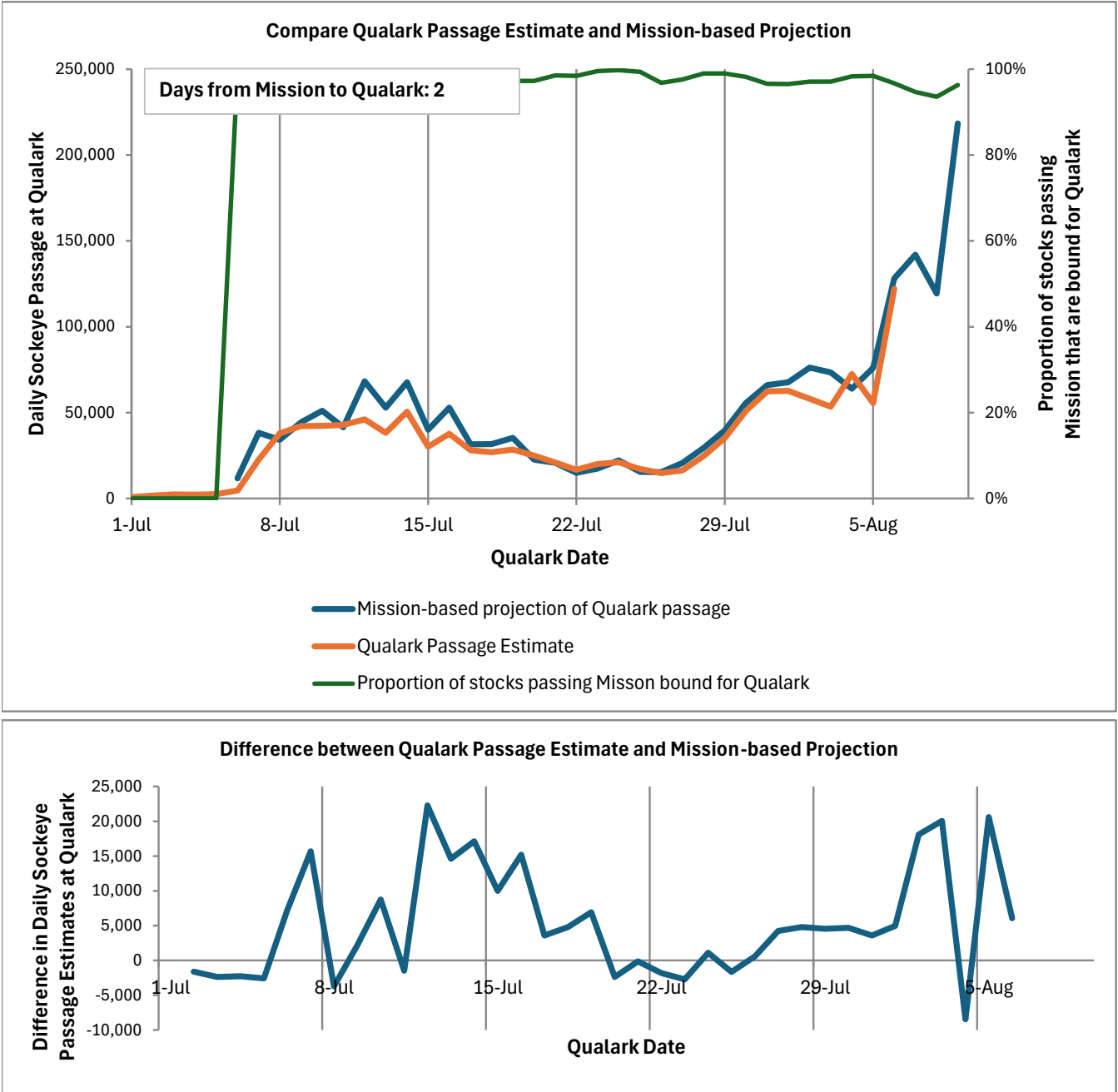
5b. Comparison of predictions from Mission to Qualark

Year: 2025

Date: 8-Aug-25

Time: 10:02 AM

	All Days	*Common Days
Mission projection	1,906,598	1,426,855
Qualark estimate	1,237,304	1,227,660
	Difference	199,195
	%Difference	14%



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		
						Early Stuart	Chilli-wack	Pitt Alouette	Gates Nahat-latch	Early Thompson	Early Summer sub-total	Harri-son	Late Stuart	Chilko Ques-nel	Raft North Thompson	Summer sub-total	Birken-head Big Silver	Late Shuswap Portage	Weaver Cultus	Late sub-total	Age-4 ₂	
Area/Gear ¹	Sector ²	Date	Type ³	Size (n)	%Fraser																	
Johnstone Strait & Queen Charlotte Strait																						
A12 ps	tf	Aug 1	DNA	95	87%	0%	1%			2%	4%	50%		33%	2%	85%	4%	7%	1%	12%	99%	
A12 gn	tf	Aug2-3	DNA	41	93%	0%	3%				3%	23%		69%		92%	5%			5%	NA	
A12 ps	tf	Aug 4	DNA	99	98%	0%	3%			4%	7%	2%	57%	30%	1%	90%	3%			3%	97%	
A12 ps		Aug 9	Prediction	1	96%	0%	1%			2%	3%	1%	35%	51%	1%	88%	6%	3%	0%	9%	NA	
Juan de Fuca Strait & Washington & Other																						
A20 ps	tf	Aug 3	DNA	98	97%	0%	2%			3%	4%	40%		47%		87%	4%	2%	2%	9%	99%	
A20 gn	tf	Aug 4	DNA	86	95%	0%	2%			5%	7%	1%	43%	42%		86%	4%		3%	7%	98%	
A20 ps	tf	Aug 6	DNA	100	100%	0%	2%			4%	6%	2%	33%	51%		86%	5%	2%	1%	8%	97%	
A29a tr	fsc	Aug3-4	DNA	100	100%	0%	1%			2%	3%	8%	41%	40%		89%	4%	5%		9%	NA	
A20 ps		Aug 9	Prediction	1	99%	0%	1%			2%	3%	1%	38%	49%		88%	5%	2%	2%	9%	NA	
In-river																						
BB gn	tf	Aug3-4	DNA	100	100%	0%	1%			5%	6%	12%	0%	36%	46%	1%	83%	4%		1%	5%	98%
BB gn	tf	Aug 5	DNA	50	100%	0%	2%			4%	10%	16%	6%	40%	36%		82%	1%	1%		2%	95%
AB gn	tf	Aug 4	DNA	50	100%	0%				6%	8%	14%	35%		52%		86%				0%	100%
AB gn	tf	Aug5-6	DNA	100	100%	0%				5%	4%	9%	1%	36%	49%	1%	87%	4%			4%	99%

2025 Fraser River Pink Salmon Stock identification Review

Recent stock composition estimates for pink salmon

Fishing					DNA % Estimates by Group		
Area/Gear ¹	Sector ²	Date	Type ³	Size (n)	Fraser River	Washington	Canada South Coast
Johnstone Strait							
A12		Aug09	Prediction	1	31%	18%	51%
Juan de Fuca Strait							
A20		Aug09	Prediction	1	38%	36%	27%
Washington							
A7		Aug09	Prediction	1	38%	19%	43%
A7A		Aug09	Prediction	1	34%	15%	50%

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

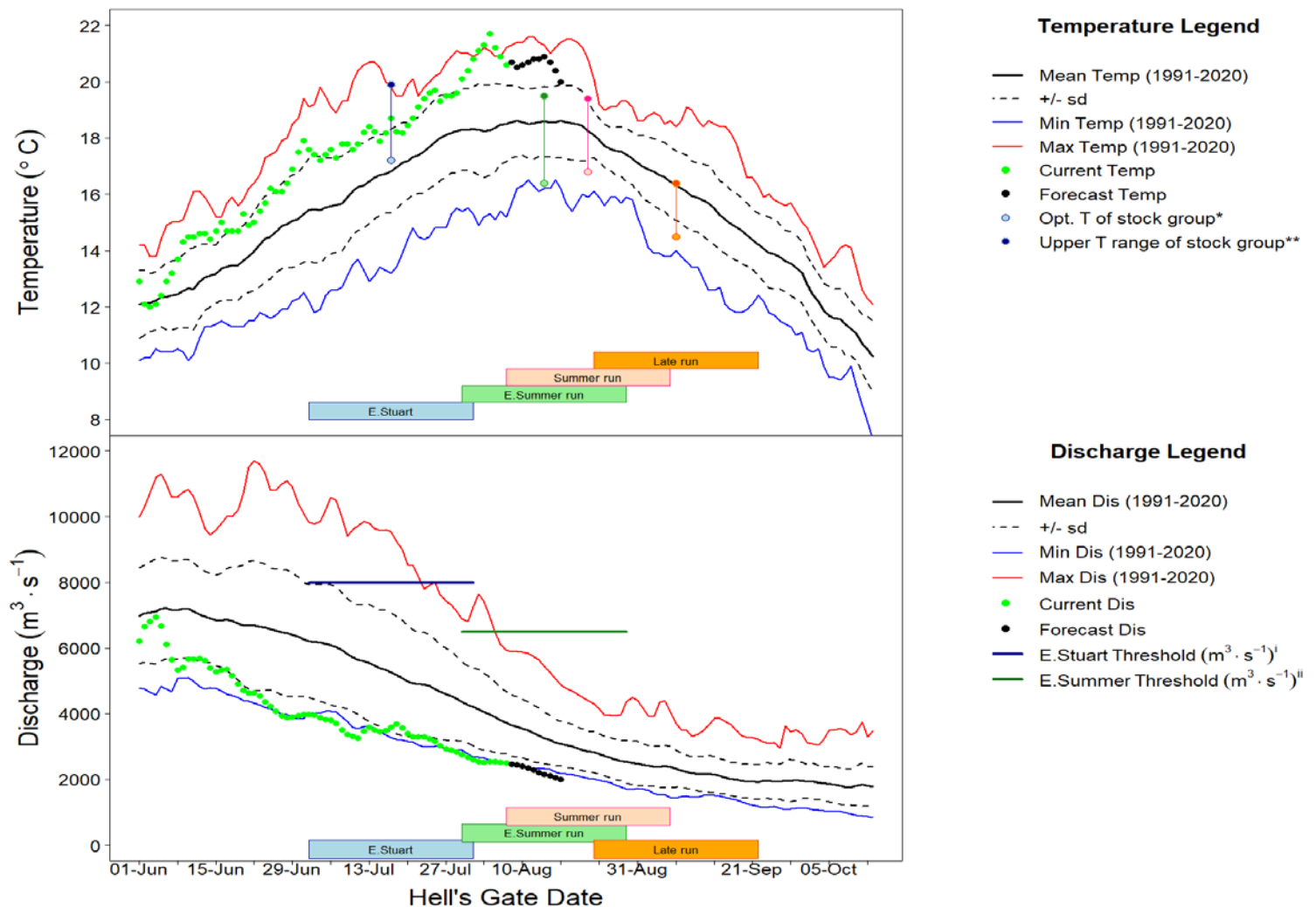
⁴ Further information relating stock group descriptions to spawning ground locations and population definitions can be found at http://www.psc.org/FRPWeb/Escapement/PSC_Fraser_Sockeye_Stock_Group_Definitions.pdf

Results in grey text have been presented to the Panel previously

Fraser River Environmental Report for August 07, 2025

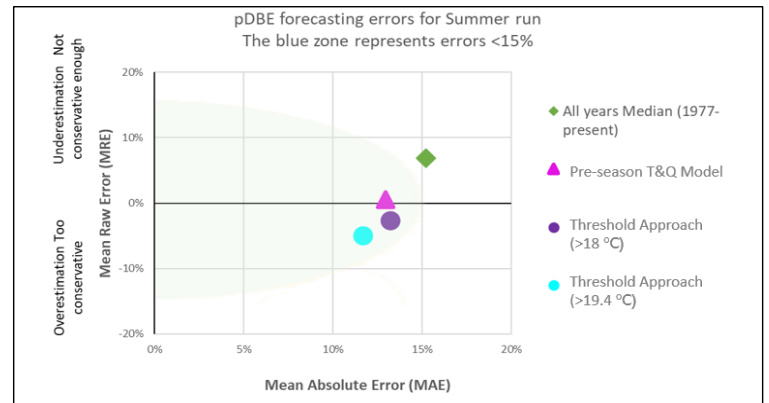
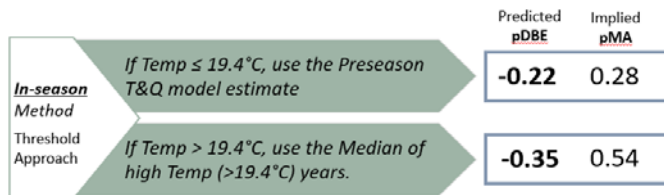
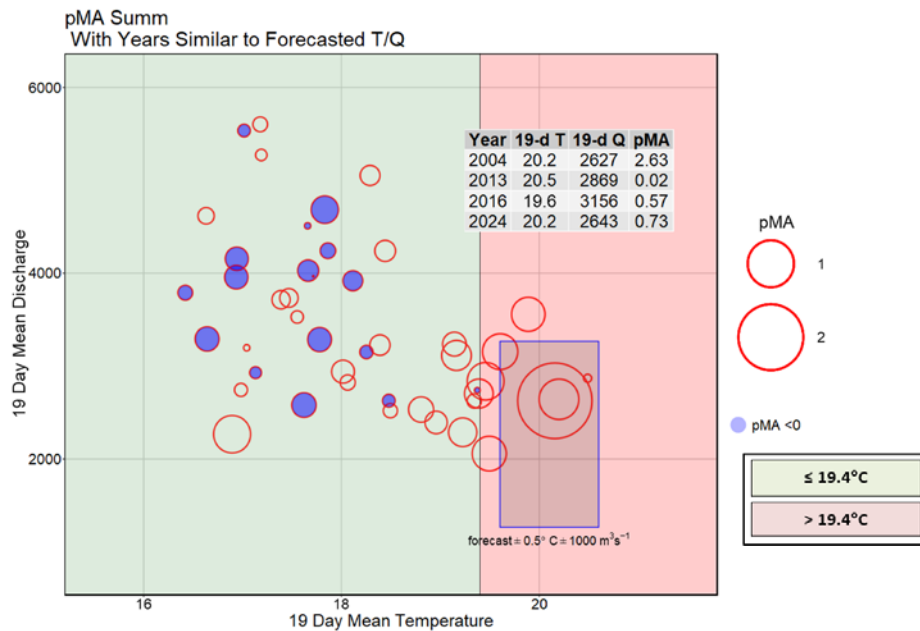
Observed Fraser River Temperature at Qualark for 07-Aug	20.6°C
Average (1991-2020) Historical Temperature on this day	18.5°C
Deviation from Average	2.1°C
Forecast Temperature for 13-Aug-25	20.8°C
The forecast in Kamloops and Prince George is for variable temperature through the forecast period. *Current Smoke conditions and recent rainfall in the region will contribute to	

Observed Fraser River Discharge at Hope for 07-Aug	2511 m ³ ·s ⁻¹
Average (1991-2020) Historical Discharge on this day	3722 m ³ ·s ⁻¹
% above or below Historical Discharge	-33%
Forecast Discharge for 13-Aug-25	2222 m ³ ·s ⁻¹
The forecast in Kamloops and Prince George is for 11 mm and 28 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} (Eliaison 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.

Summer run pDBE Forecast and Sensitivity Analysis for August 08, 2025



Model Performance Based on the Retrospective of the "In-season pDBE Method"					Best if Temp ≤ 19.4 °C		Best if Temp > 19.4 °C	
				Current Adopted	Pre-season T&Q Model	Median of high Temp (>19.4 °C) years	All-Years Median (1977-2024)	Current 19-day Model Predictions
Area	Hells Gate Date	Average Temperature °C	Average Discharge m ³ /s	pDBE	Predicted pDBE	Predicted pDBE	Predicted pDBE	Predicted pDBE
08-Aug	19-Aug	20.5	2324	-0.22	-0.22	-0.35	-0.08	-0.51
09-Aug	20-Aug	20.3	2307	-0.22	-0.22	-0.35	-0.08	-0.49
10-Aug	21-Aug	20.2	2287	-0.22	-0.22	-0.35	-0.08	-0.47
*	11-Aug	22-Aug	20.1	-0.22	-0.22	-0.35	-0.08	-0.45
Implied pMA								
*	11-Aug	22-Aug	20.1	0.28	0.28	0.54	0.09	0.82

*Currently adopted timing with 1 day of observed, 10 days of forecasted and 8 days of the +1 std Temp data.

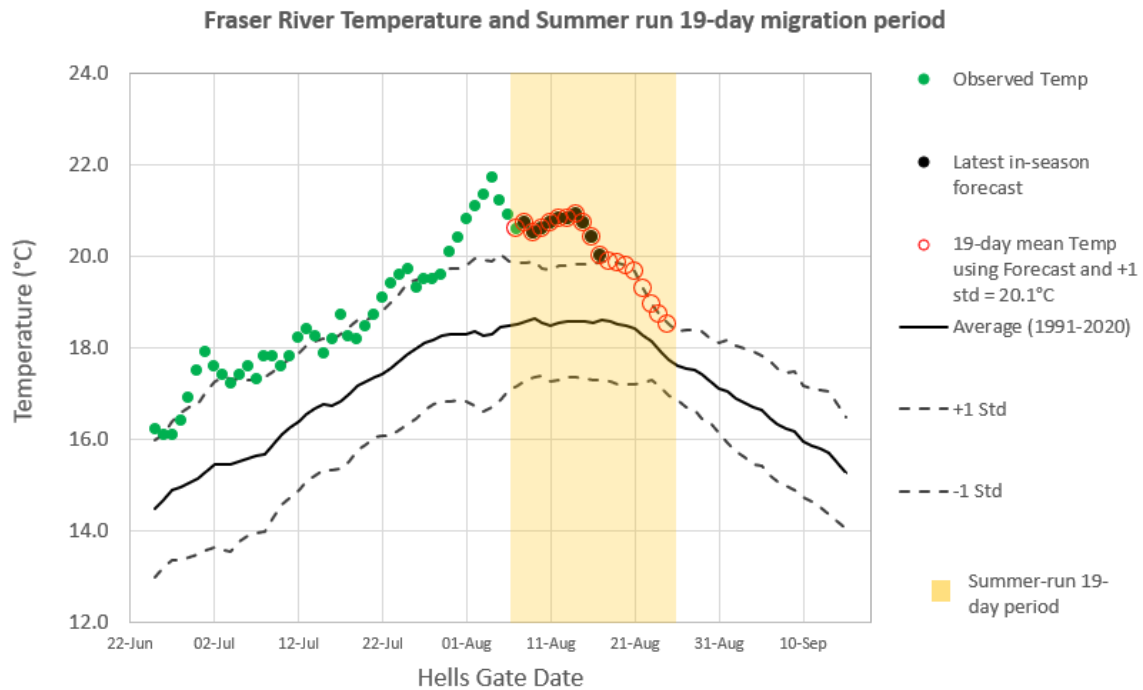
EWatch temperature estimates used for pDBE predictions

19-day average temperature method

- The pDBE prediction for summer run is based on 19-day average Fraser River temperatures at Qualark, BC.
- The 19 days used to calculate the average are centered around the peak migration date at Hells Gate: 15 days before peak migration at Hells Gate and 3 days after.
- As 50% migration dates change in-season, the days used to calculate the 19 day average temperature changes.
- The earliest estimates are normally available in-season is 3-4 days after the 50% migration date in Area 20.
- The earliest estimates normally consist of 9 days of observed temperature data and 10 days of forecasted temperature data.
- The models used to produce the 10 days of forecasted temperatures have been published in peer review journals (Hague et al. 2014; Gardner 2016).
- For the 2025 season, the Panel has currently adopted an in-season pDBE approach for the Summer run that recommends a more conservative pDBE when temperatures over a 19 day period are on average greater than 19.4 °C.
 - When temperature or discharge are extreme, there is not one method that consistently improves the pDBE estimate across management groups.
 - The retrospective for high temperature years included all years (1977-2023) but evaluated the performance of the methods over the last 14 years (2010 to 2023).
 - It was concluded that changing the pDBE method when temperature was greater than 19.4°C decreases the error and tends to be more conservative.
- The models rely on air temperature forecasts for Kamloops and Prince George, as well as observations of water temperature, air temperature, discharge and smoke cover/precipitation.
- Detailed information can be found at: Forrest, M., Hague, M. and Patterson, D. 2023. Environmental temperature and discharge forecasts. In: Michielsens, C.G.J. and F. Martens, F. Editors. Overview of pre-season and in-season assessment methods for Fraser River sockeye salmon. Pacific Salmon Comm. Tech. Rep. No. 49., 185-190.

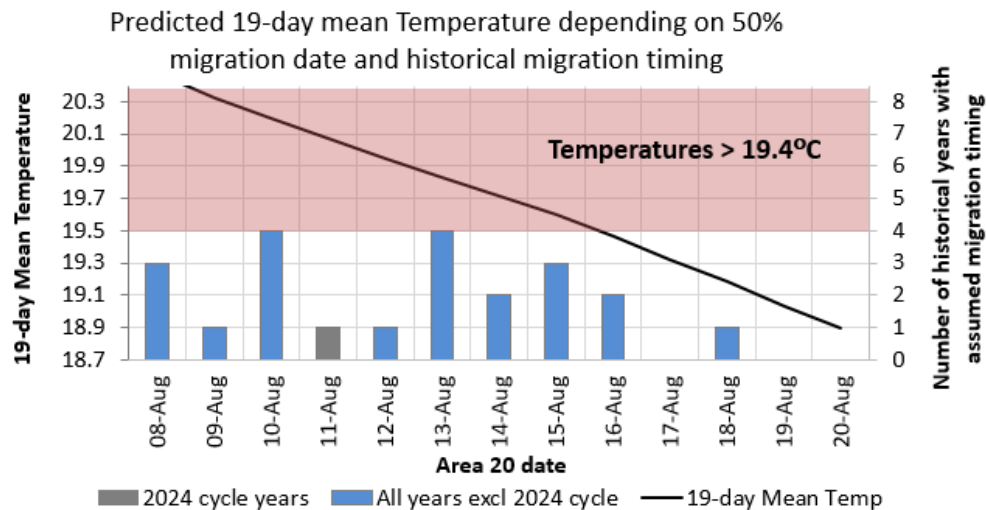
Deviations from normal when generating 19-day average temperatures

- In some years, it has been necessary to generate 19-day average temperatures and produce pDBE estimates before 9 days of observed temperatures are available. Delayed increases to the MA may risk not meeting spawning escapement targets, while delayed decreases can result in foregone fishing opportunities.
- When generating temperature forecasts beyond 10 days, staff have used different strategies in the past e.g. mean difference between last observation and historical average or +/- 1 standard deviation.
- The current temperature forecast predictions beyond 10 days assume temperatures equal to +1 standard deviation while the combined 1 observed + 10 forecast temperatures are on average 0.8°C higher than +1 standard deviation. These 8 additional predictions could therefore be called conservative.



Uncertainty associated with the timing and temperatures forecasts

- With the Threshold approach, the main purpose of the temperature prediction is to know if the average will be exceeding the Threshold of 19.4°C. This makes the method more robust to inaccuracy in temperature forecasts as well as migrating timing estimates.
- Summer run timing remains currently uncertain with the 80% probability interval ranging from August 7 to August 15, based on current data.
- Even if temperatures beyond the current 10 day predictions would equal + 1 standard deviation, the resulting 19-day mean temperatures would still exceed 19.4°C until August 17, which is two days later than the preseason forecasted timing of August 15. Only two historical years (5%) had a timing later than August 16 (2019 and 2005).



Seiii. Current temperatures in areas of the Fraser Watershed

Current Temperatures					
Map #	07-Aug	Daily Mean	Historic Mean	Deviation from Historical Mean	Historic Year Range
<u>Fraser River Mainstem</u>					
1	Fraser River @ Qualark	20.6	18.5	2.1	1991-2020
2	Fraser River @ Texas Creek	na	18.7	na	2006-2024
3	Fraser River @ Marguerite	19.4	18.6	0.8	2015-2024
4	Upper Fraser @ Shelley	na	15.5	na	1994-2024
<u>Fraser River Tributaries</u>					
5	Thompson R. @ Ashcroft	20.4	18.2	2.2	1995-2024
6	South Thompson @ Chase	21.7	19.4	2.3	1994-2024
7	North Thompson @ McLure	17.0	16.0	1.0	2006-2023
8	Quesnel R. @ Quesnel	19.2	17.1	2.1	2000-2024
9	Nechako R. @ Isle Pierre	19.5	19.4	0.1	2006-2024
10	Stuart R. @ Ft. St. James	20.2	18.8	1.4	2000-2024



5eiv. TNG Taskforce update

Summary of TNG-led Emergency Salmon Task Force Weekly Data July 29 – August 4, 2025

For the complete weekly report please see the FRTC distribution: [2025 08 07 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 all salmon sizes (Section 2.1). Total daily counts increased consistently across the week until August 03, 2025, when total counts dropped by ~63% (384 fish per day) from August 02 (1,041 fish per day) following a turbidity spike downstream of the slide site. Daily counts increased again to 753 fish per day on August 04, 2025. A cumulative total of 7,495 salmon have been counted since the start of the program on June 25, with 5,322 salmon counted during Week #6.
- Daily mean turbidity downstream of the slide site (Farwell Canyon) spiked to 764 NTU on August 02, 2025 (duration of 14 hours, maximum of 1,331 NTU). Daily mean turbidity remained elevated (305 NTU) on August 03 before returning below 200 NTU on August 04, 2025.
- 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). Both Fraser River turbidity stations have been out of water since July 29, 2025, crews will be servicing both stations this week. Turbidity data at Gang Ranch from July 29, 2025 onwards has been estimated from data collected by NHC at Big Bar. No corrections have been applied to this data apart from a 5-hour offset to account for river distance.

5ev. Report on Fish Condition

Date of Power BI Report

06-Aug-25 14:14

Latest Data Entry Date

06-Aug-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

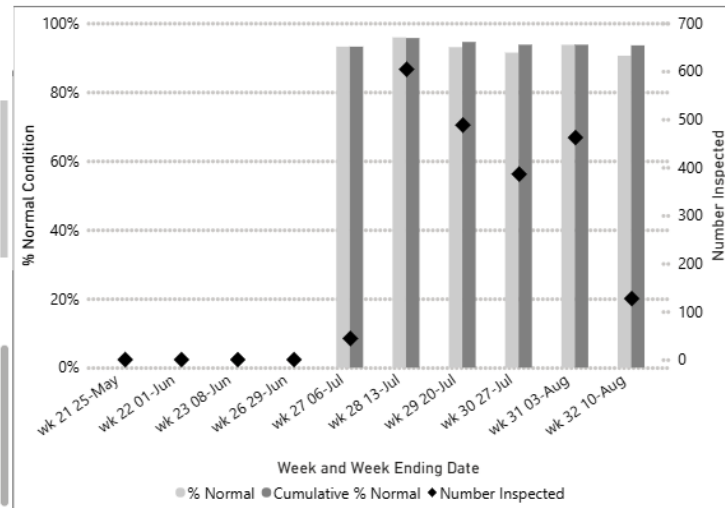
Normal Condition Fish do not show evidence of any marks (e.g. no marks on gill and body, no hook marks or open wounds)

Observations by Week

Row Labels	Observations
wk 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	200 fish holding - Bridge River; Many SK observed migrating;
wk 32 10-Aug	1000 @ Stein; 700 @ Skuzzy; Observed fish appear healthy

Sample Size by Site

Week and Week End Date	D01	D02	D04	D06	D07a	D08	D09	D11	Qualark	Total
wk 32 10-Aug									127	127
wk 31 03-Aug	0	12	0					0	450	462
wk 30 27-Jul			0						386	386
wk 29 20-Jul	0		0					0	488	488
wk 28 13-Jul	0		0						604	604
wk 27 06-Jul	0		0						44	44
Total	0	12	0					0	2,099	2,111

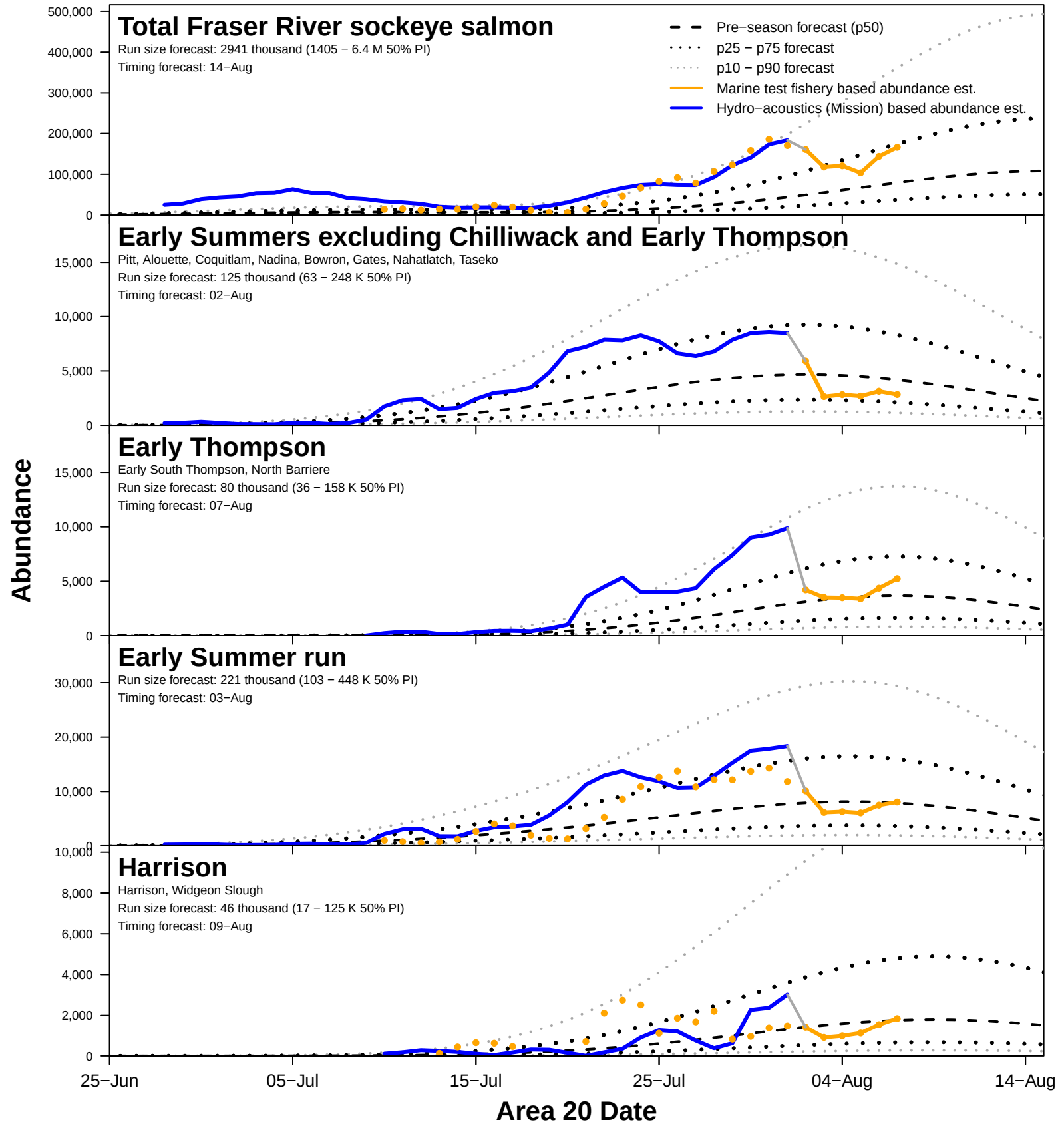


Sevi. Spawning ground reports

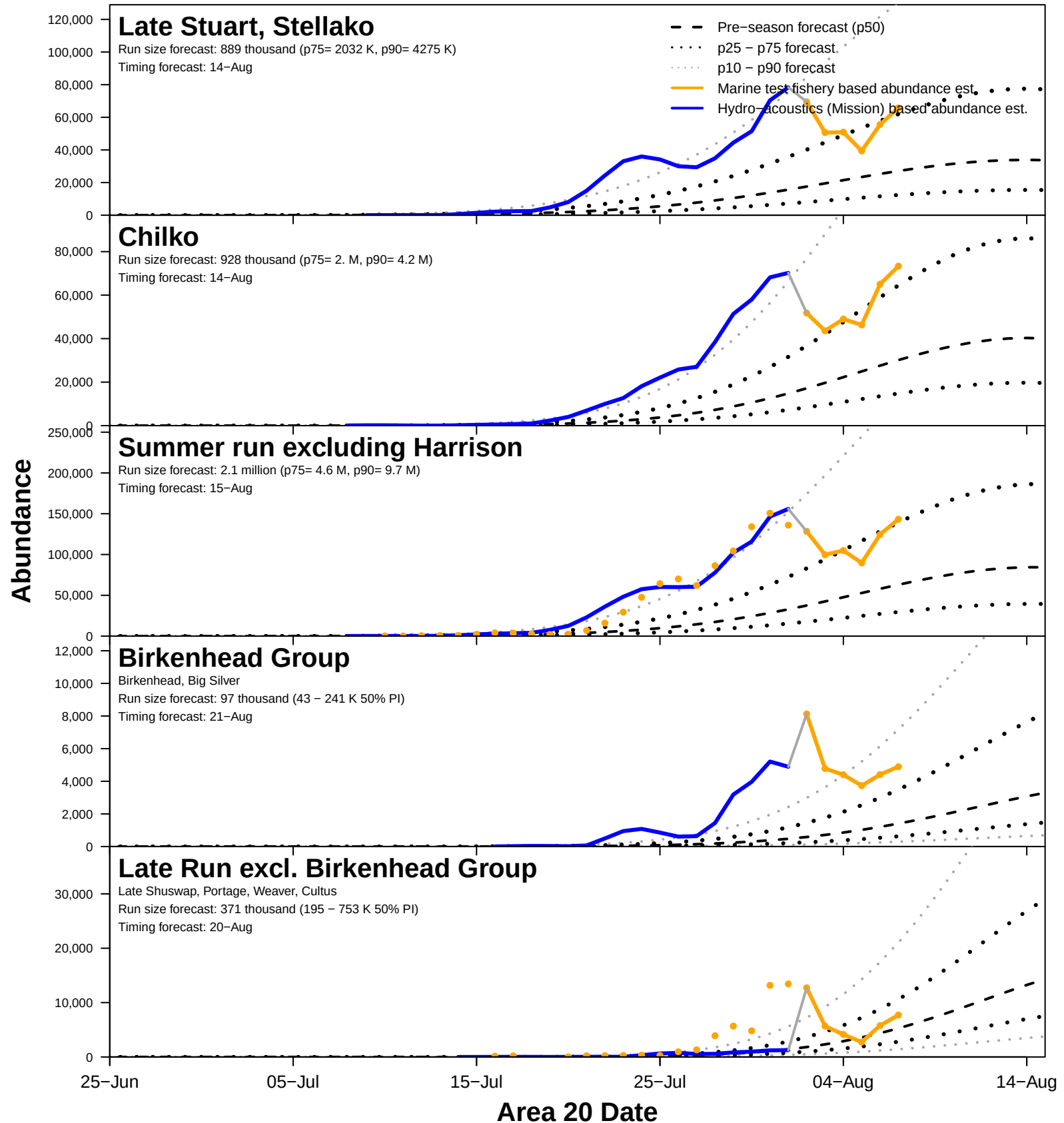
Table 1. Fraser River Sockeye escapement - 2025 in-season update # 3.

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		Spawning	7.9-19	Moderate water levels in most creeks	Appear healthy
EARLY SUMMER								
Nadina River	Hydroacoustics	29-Jul	Ongoing	21	Migrating	14.9		
Upper Chilliwack tribs.	Visual survey	5-Aug	Ongoing		Migrating or holding	10-11.5	Moderate water levels	Appear healthy
SUMMER								
Stellako River (includes Nadina River)	Hydroacoustics	25-Jul	Ongoing	854	Migrating or holding	18		
LATE								
Cultus Lake	Fence counts	Jul-30	Ongoing	1		22		

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: 08-Aug

	Escapement past Mission through 07-Aug	Projected abundance en route to Mission based on marine test fishery data ^{1,2}								Escapement + projections through 13-Aug	
Area 20 date		02-Aug	03-Aug	04-Aug	05-Aug	06-Aug	07-Aug	Total	80% PI ³		
Mission date		08-Aug	09-Aug	10-Aug	11-Aug	12-Aug	13-Aug		10p	90p	
Total Fraser	1,965,000	82,200	120,300	126,900	88,000	69,200	254,600	741,200	447,400	1,091,900	2,706,200
Early Stuart	731,900	0	0	0	0	0	0	0	0	0	731,900
Early Summer Run	206,400	5,700	5,500	7,100	4,600	4,700	11,400	39,000	19,100	80,700	245,400
Chilliwack	4,300	0	0	0	0	0	0	0	0	0	4,300
Pitt/Alouette/Coquitlam	10,300	800	0	0	0	0	0	800	400	1,700	11,100
Nadina group ⁴	116,400	2,400	2,100	3,200	2,400	1,700	4,300	16,100	7,900	33,300	132,500
Early Thompson ⁵	75,400	2,500	3,400	3,900	2,200	3,000	7,100	22,100	10,800	45,700	97,500
Summer Run	996,000	66,100	104,100	111,100	78,300	59,800	223,100	642,500	391,900	925,200	1,638,500
Harrison / Widgeon ²	15,300	700	600	1,200	700	900	2,600	6,700	4,100	9,600	22,000
Late Stuart / Stellako	504,500	30,700	57,900	50,800	29,100	23,800	103,200	295,500	180,300	425,500	800,000
Chilko	419,800	30,100	40,300	53,500	45,400	32,800	111,600	313,700	191,400	451,700	733,500
Quesnel	49,100	3,900	3,800	4,500	2,800	2,200	5,600	22,800	13,900	32,800	71,900
Raft / North Thompson	7,300	700	1,500	1,100	300	100	100	3,800	2,300	5,500	11,100
Late Run	30,700	10,400	10,700	8,700	5,100	4,700	20,100	59,700	36,400	86,000	90,400
Birkenhead / Big Silver	23,800	4,300	4,500	4,800	3,100	2,500	7,000	26,200	16,000	37,700	50,000
Late Shuswap / Portage ²	3,500	5,000	4,600	2,800	1,100	1,600	7,200	22,300	13,600	32,100	25,800
Weaver / Cultus ²	3,400	1,100	1,600	1,100	900	600	5,900	11,200	6,800	16,100	14,600

¹ En route catches are incomplete: catches from present and future fisheries must be deducted from projections and added to the catches removed

² Projected abundances en route to Mission include Harrison and Late runs, an uncertain number of which are expected to delay

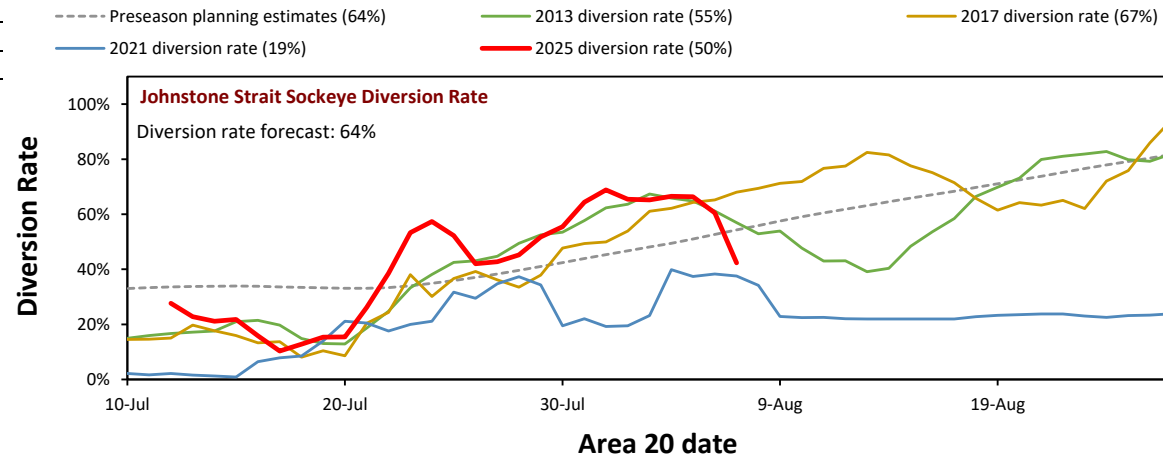
³ 80% Probability Interval: there exists an 80% chance that the true abundance lies within this interval

⁴ Nadina / Bowron / Gates / Nahatlatch / Taseko

⁵ Early South Thompson / North Barriere

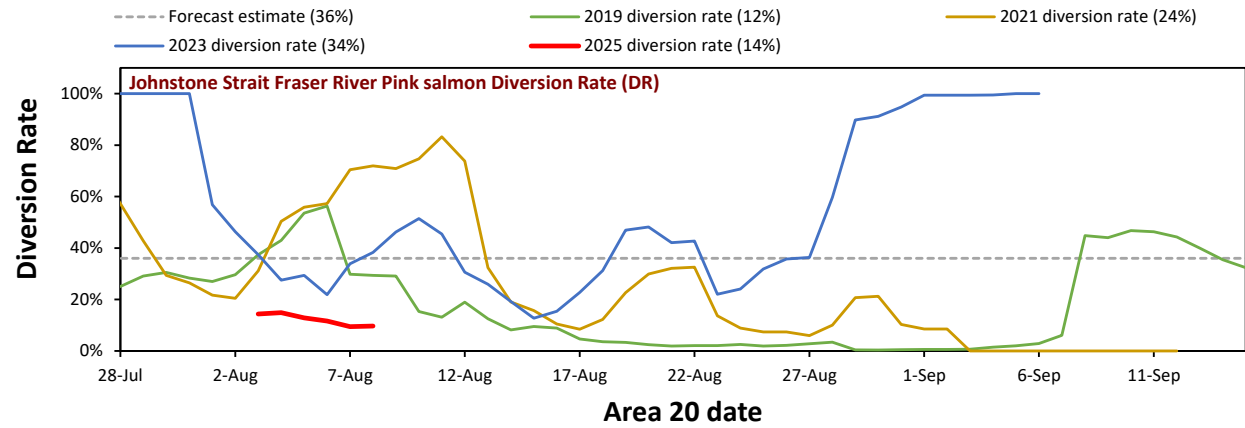
6c. 2025 Fraser River sockeye diversion rates through Johnstone Strait

	5-day-average
Diversion rate	42%



2025 Fraser River Pink salmon diversion rates through Johnstone Strait

	5-day-average
Fraser pink salmon	9%



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	Migration Delay	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	✓ 736,000	736,000	736,000	Recon	736,000	0	0	0	06-Jul	08-Jul	06-Jul	06-Jul	06-Jul	Recon
Early Summer Run	300,000	221,000	▲ 391,000	279,000	568,000	Sum	211,000	65,000	114,000	0	29-Jul	03-Aug	01-Aug	29-Jul	15-Aug	50% Date
Chilliwack		15,000	✓ 4,000	4,000	4,000	Recon	4,000	0	0	0		18-Jul	21-Jul	21-Jul	21-Jul	Recon
Nadina Group ⁴		80,000	▲ 176,000	149,000	219,000	Recon	119,000	16,000	41,000	0		31-Jul	28-Jul	25-Jul	08-Aug	50% Date
Pitt/Alouette/Coquitlam		46,000	◇ 30,000	15,000	93,000	Recon	10,000	1,000	19,000	0		04-Aug	07-Aug	01-Aug	13-Aug	Model
Early Thompson ⁵		80,000	◇ 181,000	111,000	252,000	Recon(2)	78,000	48,000	54,000	0		07-Aug	03-Aug	31-Jul	06-Aug	Model
Summer Run	4,000,000	2,136,000	◇ 4,821,000	3,235,000	9,578,000	Sum	1,049,000	646,000	3,122,000	4,000	11-Aug	15-Aug	11-Aug	07-Aug	15-Aug	Weight
Harrison / Widgeon		46,000	◇ 41,000	23,000	76,000	Model	16,000	7,000	14,000	4,000		09-Aug	03-Aug	29-Jul	09-Aug	Model
Late Stuart / Stellako		889,000	◇ 2,180,000	1,671,000	4,978,000	Model (Mode)	536,000	295,000	1,349,000	0		14-Aug	12-Aug	08-Aug	15-Aug	Model
Chilko/Quesnel		1,188,000	◇ 2,568,000	1,532,000	4,413,000	Model	496,000	340,000	1,732,000	0		15-Aug	10-Aug	07-Aug	14-Aug	Model
Raft / North Thompson		14,000	◇ 32,000	9,000	111,000	p75 Forecast	8,000	4,000	20,000	0		23-Aug	23-Aug	16-Aug	30-Aug	p75 Forecast

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

p75 forecast	Preseason forecast level
Model	Run size assessment model (median)
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
Weight	Weighted average 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

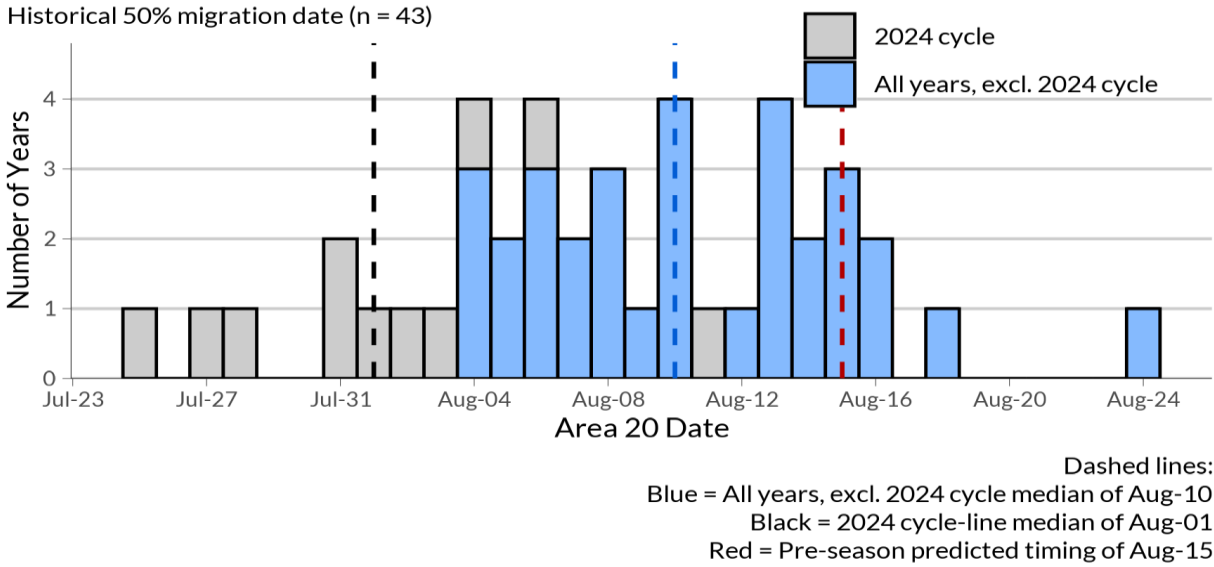
[†] The **Run Size Uncertainty Indicator** is a categorical indication of the degree of uncertainty present in the run size estimate. Estimates are categorized quantitatively based on the proportion of the run that has been accounted for with high certainty in catch + escapement.

Run size forecasts by management group

Management Group	p10	p25	p50	p75	p90
Early Stuart Run	42,000	72,000	116,000	202,000	319,000
Early Summer Run	55,000	103,000	221,000	448,000	820,000
Summer Run	522,000	991,000	2,136,000	4,749,000	10,003,000
Late Run	118,000	238,000	468,000	994,000	1,996,000
Pink Salmon Run	12,585,000	17,738,000	26,965,000	39,168,000	57,854,000

Summer

Historical 50% migration date (n = 43)



Summer run size based on timing

Catch+Escapement To Date:	1,049,000		
6-day Projection:	646,000		
	Method	Run Size*	% Seaward of Mission
Based on timing of 06-Aug	50% Date	2,951,000	64%
Based on timing of 08-Aug	% Seaward	3,435,000	69%
Based on timing of 10-Aug	% Seaward	4,522,000	77%
Based on timing of 12-Aug	% Seaward	6,442,000	84%
Based on timing of 14-Aug	% Seaward	9,602,000	89%

*Based on % seaward in 2013, 2017 and 2021 if timing is later than 07-Aug

*Equal to double the reconstructed abundance if timing is earlier than 08-Aug

6h. Fishery Catch Evaluation

The following is not associated with an official fishery proposal. The information contained on these pages is for informational purposes only.

	Number of Days	Total Fraser Sockeye Catch			Catch by Management Group			
		Total Catch	Prediction Intervals		Early Stuart	Early Summer	Summer	Late
			10%	90%				
Fisheries In-progress		2,618	1,410	6,416	0	124	2,197	297
Potential Additional Fisheries								
Area 4B, 5, 6C - Treaty Tribes - Gillnet	4	1,879	1,353	3,979	0	87	1,568	224
Area 6, 7, 7A - Treaty Tribes - Purse Seine	3	32,735	17,761	53,665	0	2,065	28,805	1,865
Area 6, 7, 7A - Treaty Tribes - Gillnet	3	45,239	24,375	73,440	0	2,854	39,808	2,578
Area 6, 7, 7A - All Citizen - Purse Seine	3	19,894	10,867	32,988	0	1,255	17,505	1,134
Area 6, 7, 7A - All Citizen - Gillnet	3	10,042	5,513	16,782	0	633	8,836	572
Area 7 - All Citizen - Reefnet	3	4,699	492	27,429	0	292	4,119	288
Total (excluding fisheries in-progress) ¹		114,488	60,361	208,283	0	7,186	100,641	6,661
Total (including fisheries in-progress) ¹		117,106	61,771	214,699	0	7,310	102,838	6,958

1 The total prediction intervals in this table are calculated by adding together the prediction intervals from each fishery's catch estimate. However, this total should be interpreted very cautiously — adding prediction intervals in this way does not provide a statistically reliable measure of uncertainty.

6h. Fishery Catch Evaluation

The following is not associated with an official fishery proposal. The information contained on these pages is for informational purposes only.

Fishery: Area 4B/5/6C - Treaty Tribes - Gillnet

Dates: Saturday August 9 to Tuesday August 12

Effort: 5

Daily Catch Estimate

A total of 1,879 Fraser Sockeye are expected to be retained with an 80% prediction interval of 1,353 - 3,979.

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 09	490	0	25	414	51
Aug 10	478	0	23	401	55
Aug 11	464	0	20	386	58
Aug 12	447	0	18	368	60
Total	1,879	0	87	1,568	224

Abundances in Fishing Area

The following table shows the estimated abundances as well as the management group proportions in the area during the potential fishery dates.

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 09	85,001	0%	5.2%	84%	10%
Aug 10	82,943	0%	4.8%	84%	11%
Aug 11	80,411	0%	4.4%	83%	12%
Aug 12	77,508	0%	4.1%	82%	14%
Total	325,864	0%	4.6%	84%	12%

Estimated abundances may be based on test fishing or run size model projections. The method chosen is consistent with those used for run size estimation, so refer to the run size table (item 6e) for more information.

Further details on the methods used to estimate area specific abundances and catchabilities are available on the [FRP SharePoint site](#).

6h. Fishery Catch Evaluation

The following is not associated with an official fishery proposal. The information contained on these pages is for informational purposes only.

Fishery: Area 6/7/7A - Treaty Tribes - Gillnet

Dates: Saturday August 9 to Monday August 11

Effort: 70

Daily Catch Estimate

A total of 45,239 Fraser Sockeye are expected to be retained with an 80% prediction interval of 24,375 - 73,440.

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 09	12,642	0	875	11,231	536
Aug 10	14,344	0	917	12,766	660
Aug 11	18,254	0	1,062	15,811	1,381
Total	45,239	0	2,854	39,808	2,578

Abundances in Fishing Area

The following table shows the estimated abundances as well as the management group proportions in the area during the potential fishery dates.

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 09	182,178	0%	6.9%	89%	4.2%
Aug 10	205,449	0%	6.3%	89%	4.9%
Aug 11	257,911	0%	5.8%	86%	7.8%
Total	645,538	0%	6.3%	88%	5.9%

Estimated abundances may be based on test fishing or run size model projections. The method chosen is consistent with those used for run size estimation, so refer to the run size table (item 6e) for more information.

Further details on the methods used to estimate area specific abundances and catchabilities are available on the [FRP SharePoint site](#).

6h. Fishery Catch Evaluation

The following is not associated with an official fishery proposal. The information contained on these pages is for informational purposes only.

Fishery: Area 6/7/7A - Treaty Tribes - Purse Seine

Dates: Saturday August 9 to Monday August 11

Effort: 10

Daily Catch Estimate

A total of 32,735 Fraser Sockeye are expected to be retained with an 80% prediction interval of 17,761 - 53,665.

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 09	9,080	0	628	8,067	385
Aug 10	10,410	0	666	9,265	479
Aug 11	13,244	0	771	11,473	1,001
Total	32,735	0	2,065	28,805	1,865

Abundances in Fishing Area

The following table shows the estimated abundances as well as the management group proportions in the area during the potential fishery dates.

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 09	183,867	0%	6.9%	89%	4.1%
Aug 10	211,003	0%	6.3%	89%	4.9%
Aug 11	264,842	0%	5.8%	86%	7.8%
Total	659,712	0%	6.3%	88%	5.9%

Estimated abundances may be based on test fishing or run size model projections. The method chosen is consistent with those used for run size estimation, so refer to the run size table (item 6e) for more information.

Further details on the methods used to estimate area specific abundances and catchabilities are available on the [FRP SharePoint site](#).

6h. Fishery Catch Evaluation

The following is not associated with an official fishery proposal. The information contained on these pages is for informational purposes only.

Fishery: Area 6/7/7A - All Citizen - Gillnet

Dates: Saturday August 9 to Monday August 11

Effort: 15

Daily Catch Estimate

A total of 10,042 Fraser Sockeye are expected to be retained with an 80% prediction interval of 5,513 - 16,782.

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 09	2,750	0	190	2,444	116
Aug 10	3,210	0	205	2,857	148
Aug 11	4,081	0	238	3,536	308
Total	10,042	0	633	8,836	572

Abundances in Fishing Area

The following table shows the estimated abundances as well as the management group proportions in the area during the potential fishery dates.

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 09	186,822	0%	6.9%	89%	4.1%
Aug 10	220,724	0%	6.3%	89%	4.9%
Aug 11	276,972	0%	5.8%	86%	7.8%
Total	684,517	0%	6.3%	88%	5.9%

Estimated abundances may be based on test fishing or run size model projections. The method chosen is consistent with those used for run size estimation, so refer to the run size table (item 6e) for more information.

Further details on the methods used to estimate area specific abundances and catchabilities are available on the [FRP SharePoint site](#).

6h. Fishery Catch Evaluation

The following is not associated with an official fishery proposal. The information contained on these pages is for informational purposes only.

Fishery: Area 6/7/7A - All Citizen - Purse Seine

Dates: Saturday August 9 to Monday August 11

Effort: 6

Daily Catch Estimate

A total of 19,894 Fraser Sockeye are expected to be retained with an 80% prediction interval of 10,867 - 32,988.

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 09	5,478	0	379	4,867	232
Aug 10	6,345	0	406	5,647	292
Aug 11	8,070	0	470	6,991	609
Total	19,894	0	1,255	17,505	1,134

Abundances in Fishing Area

The following table shows the estimated abundances as well as the management group proportions in the area during the potential fishery dates.

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 09	185,555	0%	6.9%	89%	4.1%
Aug 10	216,558	0%	6.3%	89%	4.9%
Aug 11	271,773	0%	5.8%	86%	7.8%
Total	673,887	0%	6.3%	88%	5.9%

Estimated abundances may be based on test fishing or run size model projections. The method chosen is consistent with those used for run size estimation, so refer to the run size table (item 6e) for more information.

Further details on the methods used to estimate area specific abundances and catchabilities are available on the [FRP SharePoint site](#).

6h. Fishery Catch Evaluation

The following is not associated with an official fishery proposal. The information contained on these pages is for informational purposes only.

Fishery: Area 7 - All Citizen - Reefnet

Dates: Saturday August 9 to Monday August 11

Effort: 10

Daily Catch Estimate

A total of 4,699 Fraser Sockeye are expected to be retained with an 80% prediction interval of 492 - 27,429.

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 09	1,257	0	86	1,121	50
Aug 10	1,545	0	97	1,365	83
Aug 11	1,897	0	109	1,633	155
Total	4,699	0	292	4,119	288

Abundances in Fishing Area

The following table shows the estimated abundances as well as the management group proportions in the area during the potential fishery dates.

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 09	146,158	0%	6.80%	89%	4.0%
Aug 10	179,613	0%	6.30%	88%	5.3%
Aug 11	220,621	0%	5.70%	86%	8.2%
Total	546,391	0%	6.20%	88%	6.1%

Estimated abundances may be based on test fishing or run size model projections. The method chosen is consistent with those used for run size estimation, so refer to the run size table (item 6e) for more information.

Further details on the methods used to estimate area specific abundances and catchabilities are available on the [FRP SharePoint site](#).

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	300,000	390,000	29-Jul	01-Aug
Summer Run	Recommendation	4,000,000	4,800,000	11-Aug	11-Aug
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 recommend pDBE estimates (not MA estimates) for consideration by the Panel. The Panel may either accept or reject the MA estimates implied by 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 implied pMA estimate			
		Currently Adopted		PSC recommendation	Implied pMA
		pDBE	pMA	pDBE	pMA
Early Stuart Run	No recommendation	-0.65	1.86	NA	NA
Early Summer Run	No recommendation	-0.35	0.54	NA	NA
Summer Run*	Recommendation	-0.22	0.28	-0.35	0.54
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



PACIFIC SALMON COMMISSION

ESTABLISHED BY TREATY BETWEEN CANADA
AND THE UNITED STATES OF AMERICA
MARCH 18, 1985

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August 7, 2025

MEMO

To: Mr. Adam Keizer, Chair, Fraser River Panel
Mr. Jason Gobin, Vice Chair, Fraser River Panel
Mr. Marcel Shepert, Canadian Section First Nations Chair, Fraser River Panel

From: Fiona Martens, Catherine Michielsens, Tosh Sutherland, Eric Taylor, PSC Staff

Re: 2025 Pay Fish Retention Plan

In 2025, the sockeye run size was considered insufficient to retain sockeye pay fish in the test fisheries based on the median preseason forecast. In-season, returns of Fraser River sockeye salmon are exceeding the preseason forecast with the potential for the harvestable surplus to exceed First Nations food, social and ceremonial fisheries (FSC) and First Nations Treaty domestic allocations. If this happens, pay fish catches could potentially include sockeye salmon. It is anticipated that 20,000 sockeye are needed as pay fish in order to pay for the 2025 test fishing program and pay fish would need to focus on the retention of Summer run sockeye given the lack of harvestable surplus for Late run sockeye. Given the uncertainty associated with meeting domestic allocations the likelihood of retaining sockeye pay fish this season is still unlikely but with the increasing run sizes, staff wanted to highlight the potential opportunity should domestic allocations be met and the Panel deems the international TAC sufficient to retain pay fish.

While there is uncertainty associated with the retention of sockeye pay fish, retaining pink salmon pay fish could be considered at all pre-season forecast levels as discussed pre-season. As outlined at the June meeting, PSC Staff developed a proposal for taking pink salmon pay fish without additional sockeye mortality beyond what is required for sampling purposes. This proposal focused on pink salmon pay fish retention on the Area 20 purse seine test fishery given the lower proportion of sockeye versus pink salmon in this test fishery in comparison to the Area 12. To ensure the daily sockeye mortality does not exceed the daily sampling requirement of 100 sockeye, pay fish retention would occur in three stages:

First Stage (*Starting August 21, 2025, the forecasted date of peak pink salmon migration*):

- If one of the sets seems dominated by pink salmon with limited sockeye, brail the set for pink salmon, while keeping all sockeye caught within the brail for sampling purposes.
- Stop brailing once 40 sockeye have been landed, and release the remainder of the set by spilling across the cork line.
- Ensure the daily total sockeye mortality does not exceed the number of sockeye required for sampling purposes.

Second Stage (*When sockeye catches are below sampling requirement in individual sets*):

- If 1 of the 6 purse seine test fishing sets seems to contain limited sockeye (< 30 sockeye), land the full set of both pink salmon as well as sockeye.
- Adjust the sample requirements for subsequent sets to ensure the number of sockeye retained does not exceed the number of sockeye required for sampling purposes.
- Re-evaluate daily if there is a need to move to stage 1 or stage 3 depending on the number of sockeye in the catch.

Third Stage (*When the total daily sockeye catch is less than biological sampling requirements*):

- Proceed with full retention of all purse seine sets containing primarily pink salmon.
- Re-evaluate daily if there is a need to move back to stage 2.

In June 2025, the Fraser River Panel conditionally approved the PSC Secretariat's plan for taking pink salmon pay fish in 2025 with the caveat that final approval to proceed with the agreed plan would be provided in-season. Also, while there is uncertainty regarding sockeye run size, the panel should consider the option for sockeye pay fish should international TAC be sufficiently large.

Please see our website for further information on the [PSC Test Fishing Policy](#). Additional information is available within the [PSC Bylaws](#) (Rule 25 Test Fishing Revolving Fund).



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

FRP meeting: Tuesday, August 12, 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
 - DFO Resource Management, Fraser and Interior Area
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))