



PSC Fraser River Panel Distribution

Tuesday, September 1, 2026

1) Roll Call (Panel and Tech members, others please email Angela Xu, frontdesk@psc.org)		
2) Webinar Etiquette: mute phone & chat feature		
☒	3) Agenda	
4) Overview of run and catch status		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		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) Criteria for fishing decisions table	
☒	f) Run size and timing estimates	
☐	g) Predicted allowable harvest based on run size and DBE scenarios	
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 (including catch predictions)	PSC staff
	c) Canadian and U.S. evaluation	Panel
	d) Panel decision	
☐	9) Assessments from other areas	PSC staff
☐	10) Other business:	Panel
☐	11) Next FRP meeting and agenda	PSC staff/Panel
	12) Next TC meeting:	PSC staff
☒	13) Data acknowledgements	

Legend: ☒ Included in the distribution, to be discussed at the Fraser River Panel meeting
☒ Included in the distribution, to be discussed only when requested
☐ 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

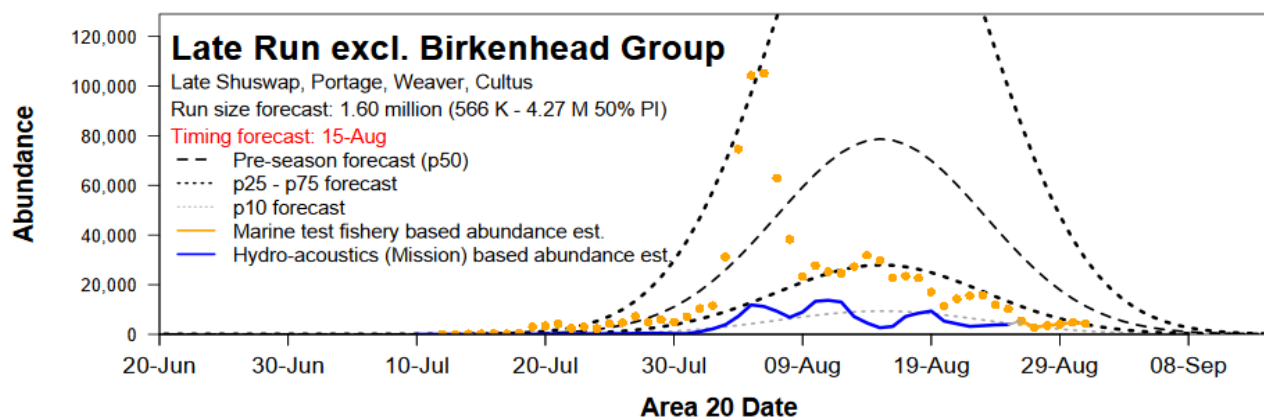
2026 Run status of Fraser sockeye and pink salmon

Date: Sep. 1, 2026

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. 30 - Sep. 5, 2026	Sockeye				
	Management Group				Total Fraser
	E.Stuart	E.Summer	Summer	Late	
Mission passage (incls Pitt, Alouette, Coquitlam)	45,900	206,900	1,429,000	286,800	1,968,600
Catch downstream of Mission	100	15,300	133,000	49,000	197,400
Accounted Run To Date	46,000	222,200	1,562,000	335,800	2,166,000
Adopted In-season run size ¹	46,000	220,000	1,750,000	1,000,000	3,016,000
Pre-season run size	62,670	1,163,680	4,304,780	2,212,260	7,743,390
Area 20 timing adopted in-season	1-Jul	2-Aug	10-Aug	7-Aug	8-Aug
Area 20 timing expected pre-season	4-Jul	3-Aug	13-Aug	20-Aug	14-Aug
Johnstone Str. Diversion Rate	Annual average to date				36%
	Preseason forecast of annual rate				67%

¹ In-season 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

2026 Catch-to-date by fishery

Date: Sep. 1, 2026

Week of: Aug. 30 - Sep. 5, 2026		Sockeye		Catch File Last Modified*****
		Total	Fraser	
Canada		225,283	223,506	
	Commercial	0	0	
	B Purse Seine	0	0	
	D Gillnet	0	0	
	First Nations	224,094	222,325	
	Food, Social & Ceremonial (FSC)	224,094	222,325	
	Marine	63,758	61,989	2026-08-27 15:58
	Fraser R.	160,336	160,336	2026-08-28 11:03
	Economic Opportunity (EO) & Demonstration (Demo)	0	0	
	Single Stock FSC (SS FSC)	0	0	
	Recreational	0	0	2026-08-27 8:29
	Charter (Albion & A12 Chum test fishery)	643	643	
	Other****	546	538	2026-08-13 8:12
United States		31,736	31,690	
	Commercial	26,170	26,124	
	Treaty Tribes (TRB)	14,025	13,994	2026-08-20 16:19
	All Citizen (AC)	12,145	12,130	2026-08-28 7:11
	Treaty Tribes Ceremonial & Subsistence (C&S)	5,566	5,566	2026-08-20 16:19
	All Citizen Recreational	0	0	
	Other****	0	0	
	Alaska *	na	na	
Panel-approved Test Fisheries		17,971	17,147	
	Panel Waters	11,366	11,127	
	Canada	10,744	10,531	
	U.S.	622	596	
	Non-Panel Waters**	6,605	6,020	
Total		274,990	272,343	
	Catch Seaward of Mission ***	200,148	197,501	
	Catch Upstream of Mission	74,842	74,842	

* 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.

*****Date and time that the catch report provided by the sender was modified.

4d. TAC table

		Fraser Sockeye				
		Early Stuart	Early Summer	Summer	Lates	Total
RUN STATUS, ESCAPEMENT NEEDS & AVAILABLE SURPLUS						
Pre-season Forecast (50p)		62,670	1,163,680	4,304,780	2,212,260	7,743,390
Pre-season or Adopted In-season Run Size		46,000	220,000	1,750,000	1,000,000	3,016,000
In-season Est. as % of Pre-season Forecast		73%	19%	41%	45%	39%
Adult Spawning Escapement Target (SET)		46,000	220,000	1,478,900	1,000,000	2,744,900
%SET from TAM rules		100%	100%	85%	100%	
Management Adjustment (MA)		49,680	59,400	443,670	430,000	982,750
Proportional MA (pMA)		1.08	0.27	0.30	0.43	
Adjusted Spawning Escapement Target (SET) *		46,000	220,000	1,750,000	1,000,000	3,016,000
Test Fishing (TF)		300	2,000	15,000	11,929	29,229
Surplus above Adjusted SET & Test fishing		0	0	0	0	0
Exploitation Rate represented by Surplus		0%	0%	0%	0%	0%
DEDUCTIONS & TAC FOR INTERNATIONAL SHARING						
Aboriginal Fishery Exemption (AFE)		0	0	0	0	0
Available Aboriginal Fishery Exemption						
Total Deductions (Adj. SET + TF + Available AFE)		46,300	222,000	1,765,000	1,011,929	3,045,229
Available TAC for International Sharing		0	0	0	0	0
UNITED STATES (Washington) TAC						
Proportionally Distributed TAC **		16.5%	0	0	0	0
U.S. Payback **		0.0%	0	0	0	0
Proportionally Distributed TAC - Payback		0	0	0	0	0
Treaty Tribes Share **		67.7%	0	0	0	0
All Citizen Share		32.3%	0	0	0	0
CANADA TAC						
Aboriginal Fishery Exemption (AFE)		0	0	0	0	0
Canadian TAC + AFE		0	0	0	0	0
CATCH-TO-DATE						
Test		240	1,940	10,790	4,170	17,150
Treaty Tribes (Wash.) / Ceremonial (TRB)		0	870	11,390	7,290	19,560
All Citizen (Wash.)		0	490	7,410	4,230	12,130
Recreational						
Other (Wash.)***		0	0	0	0	0
Washington		0	1,360	18,800	11,520	31,690
First Nations Catch (including AFE)		170	22,690	162,950	36,520	222,330
Planned Charter & Recreational Shares		0	80	480	80	640
Other***		260	140	140	0	540
Total Commercial (including FN EO/Demo****)		0	0	0	0	0
Canada		430	22,910	163,570	36,600	223,510
Total Catch in All Fisheries		670	26,210	193,160	52,290	272,340
Exploitation Rate (catch-to-date / run size)		1.5%	11.9%	11.0%	5.2%	9.0%
Fisheries induced mortalities (Canada, U.S. & TF)		10	122	817	342	1,291
Exploit. Rate with fishery-induced mortality included		1.5%	12.0%	11.1%	5.3%	9.1%
CATCH REMAINING (BALANCE)						
Washington		0	-1,360	-18,800	-11,520	-31,690
Canada		-430	-22,910	-163,570	-36,600	-223,510
Balance Remaining [below share / -above share]		-430	-24,270	-182,370	-48,120	-255,190

* 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).

Total payback: 83,700

*** 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

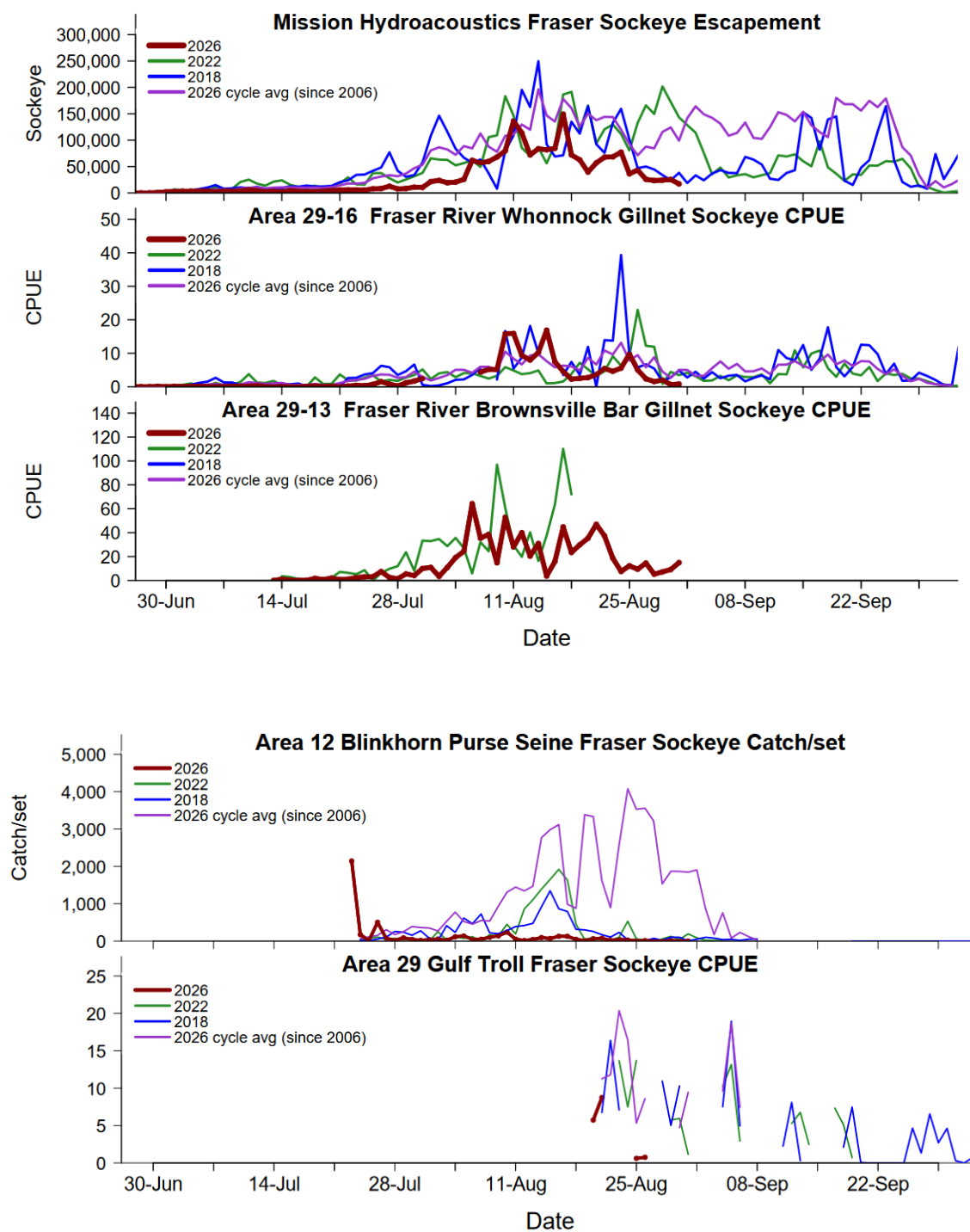
2026 Fraser Sockeye Test Fishing Catch, CPUE, & Escapement Summary

Area/Gear Location From A12	Johnstone Strait		Fraser River							
	A12 PS Blinkhorn Catch (CPUE) (-1 day)	A29B TR Catch (CPUE) (+4 days)	Brownsville Bar GN A29-16 Catch (CPUE) (+5 days)	Whonnock GN A29-16 Catch (CPUE) (+6 days)	Qualark Estimate ¹ Method ²			Mission Hydroacoustics Estimate ³ Method ⁴		Hells Gate Estimate ⁵ (+10 days)
4-Aug	760 (126.7)		142 (19.17)	DNF	22 (45.83)	13,500	RB + LB	20,400	L+M+R	Estimate Not Available
5-Aug	707 (141.4) (5 sets)		181 (24.44)	DNF	34 (70.83)	14,200	RB + LB	25,800	L+M+R	Estimate Not Available
6-Aug	268 (53.6) (5 sets)		238 (64.26)*	DNF	20 (41.67)	13,900	RB + LB	61,700	L+M+R	Estimate Not Available
7-Aug	299 (49.8)		131 (35.37)*	59 (4.36)	33 (82.5)	18,300	RB + LB	56,900	L+M+R	Estimate Not Available
8-Aug	658 (109.7)		143 (38.61)*	71 (5.2)	56 (126.04)	34,100	RB + LB	59,700	L+M+R	Estimate Not Available
9-Aug	879 (146.5)		111 (14.87)	70 (5.14)	54 (119.79)	53,300	RB + LB	68,100	L+M+R	Estimate Not Available
10-Aug	1,460 (243.3)		196 (52.92)*	198 (15.84)	56 (107.46)	57,600	RB + LB	79,600	L+M+R	Estimate Not Available
11-Aug	260 (52.0) (5 sets)		104 (28.08)*	199 (15.92)	85 (177.08)	60,200	RB + LB	136,200	L+M+R	Estimate Not Available
12-Aug	83 (16.6) (5 sets)		148 (39.96)*	119 (9.37)	64 (134.38)	63,000	RB + LB	113,600	L+M+R	Estimate Not Available
13-Aug	264 (44.0)		156 (20.44)	104 (7.97)	75 (156.25)	96,300	RB + LB	72,000	L+M+R	Estimate Not Available
14-Aug	582 (97.0)		229 (30.92)	129 (10.21)	82 (170.83)	84,600	RB + LB	83,800	L+M+R	Estimate Not Available
15-Aug	420 (70.0)		15 (3.73) (1 set)	211 (16.88)	43 (35)	49,100	RB + LB	81,800	L+M+R	Estimate Not Available
16-Aug	789 (131.5)		117 (15.96)	97 (7.45)	17 (42.5)	43,800	RB + LB	84,500	L+M+R	Estimate Not Available
17-Aug	779 (129.8)		166 (44.82)*	56 (4.55)	58 (145)	66,300	RB + LB	149,400	L+M+R	Estimate Not Available
18-Aug	286 (47.7)		174 (23.49)	26 (2.27)	55 (156.25)	75,600	RB + LB	72,000	L+M+R	Estimate Not Available
19-Aug	92 (15.3)		221 (29.84)	28 (2.51)	89 (185.42)	86,200	RB + LB	62,700	L+M+R	Estimate Not Available
20-Aug	399 (66.5)	151 (5.73) (Q4)	131 (35.37)*	31 (2.73)	49 (87.5)	52,200	RB + LB	39,500	L+M+R	Estimate Not Available
21-Aug	456 (76.0)	287 (8.74) (Q3)	174 (46.98)*	45 (3.59)	39 (0)	45,900	RB + LB	56,800	L+M+R	Estimate Not Available
22-Aug	78 (19.5) (4 sets)		138 (37.26)*	66 (5.43)	7 (17.5)	19,600	RB + LB	67,800	L+M+R	Estimate Not Available
23-Aug	294 (49.0)		138 (18.63)	55 (4.62)	9 (22.5)	22,700	RB + LB	68,300	L+M+R	Estimate Not Available
24-Aug	168 (28.0)		54 (7.6)	74 (5.56)	18 (37.5)	26,800	RB + LB	77,300	L+M+R	Estimate Not Available
25-Aug	68 (11.3)	29 (0.61) (Q4)	91 (12.29)	122 (9.76)	22 (77.08)	41,600	RB + LB	36,200	L+M+R	Estimate Not Available
26-Aug	84 (14.0)	36 (0.76) (Q3)	71 (9.46)	66 (5.05)	43 (89.58)	44,300	RB + LB	43,300	L+M+R	Estimate Not Available
27-Aug	20 (3.3)		107 (14.58)	27 (2.37)	38 (95)	28,300	RB + LB	25,800	L+M+R	Estimate Not Available
28-Aug	9 (1.5)		37 (5.29)	17 (1.56)	16 (33.33)	23,700	RB + LB	23,400	L+M+R	Estimate Not Available
29-Aug	73 (12.2)		53 (7.25)	22 (1.97)	13 (40.63)	16,900	RB + LB	24,200	L+M+R	Estimate Not Available
30-Aug	45 (7.5)		67 (9.18)	7 (0.66)	18 (37.5)	12,500	RB + LB	25,500	L+M+R	Estimate Not Available
31-Aug	10 (2.0)		115 (14.97)	8 (0.78)	7 (17.5)			17,100	L+M+R	Estimate Not Available
1-Sep	End									
2-Sep										

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 Pitt⁴ Mission Source:
L + M + R = Left-bank ARIS (L) + Mobile ARIS (M) + Right-bank ARIS (R)⁵ Daily Hells Gate abundance estimate; actual daily count has been expanded. Estimate not available indicates that passage estimates were not available at the time of reporting due to operational or safety-related challenges. Passage confirmed indicates that fish were observed upstream of the fishways.

*Only one set was conducted at Brownsville Bar, as the catch from the first set greatly exceeded sampling requirements.

DNF = Did Not Fish



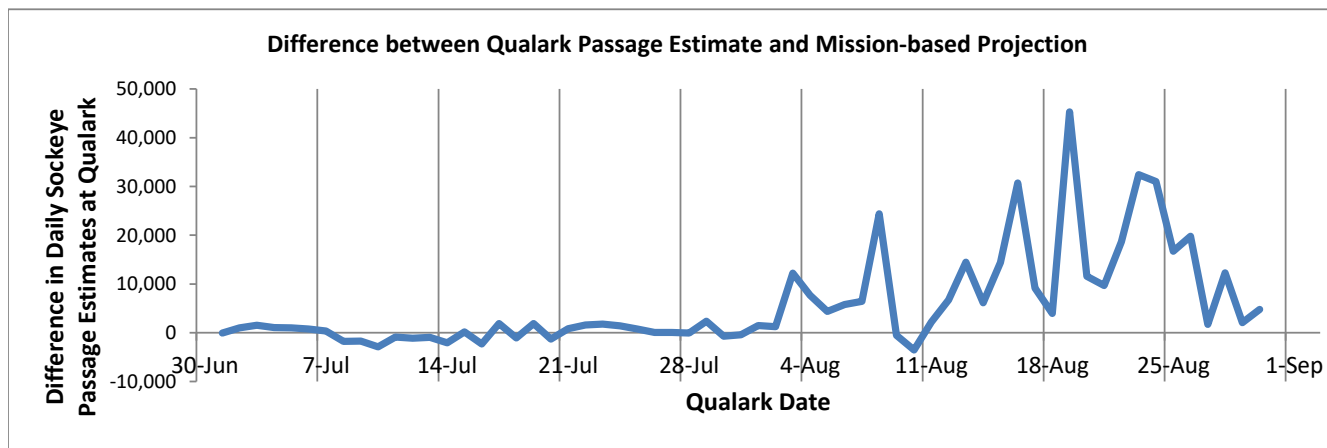
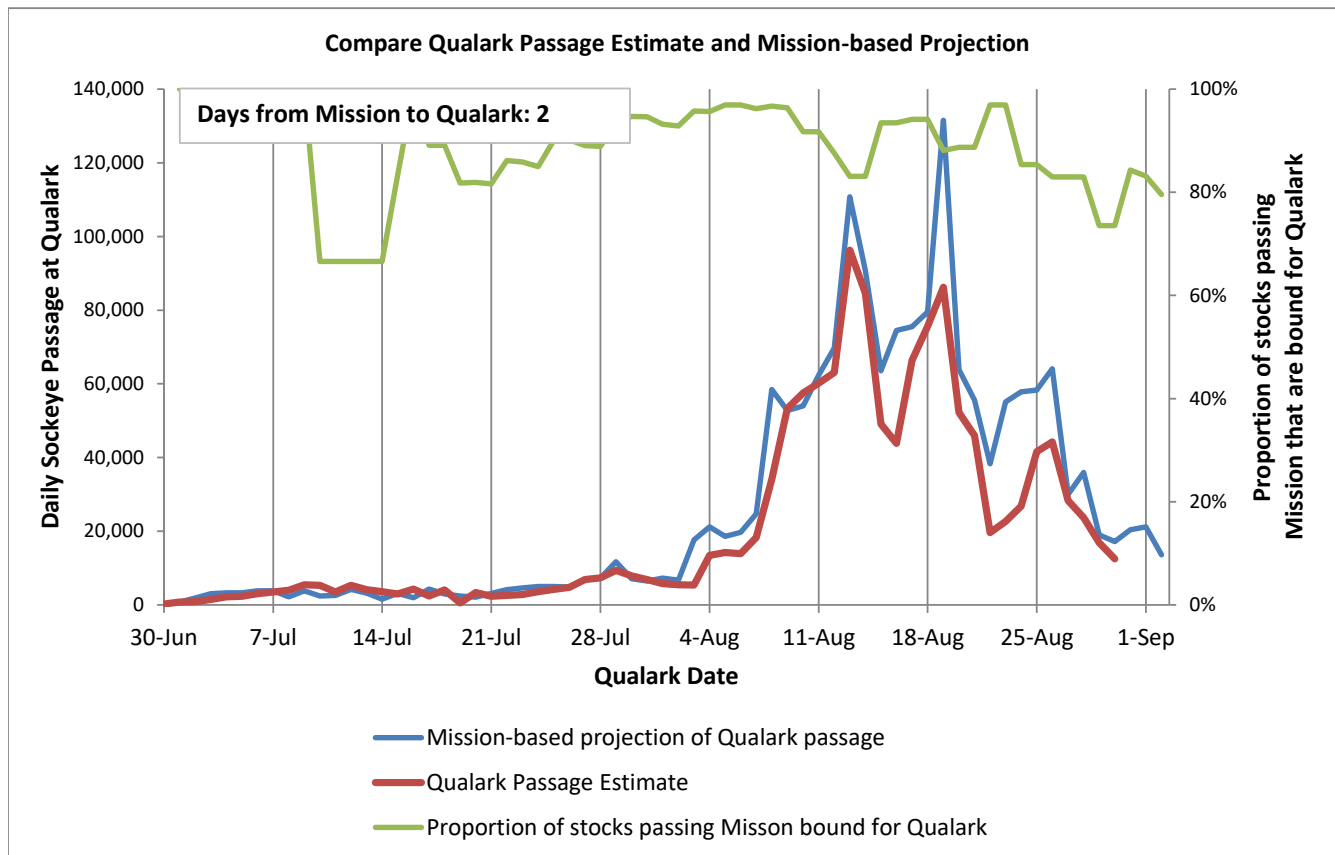
5b. Comparison of predictions from Mission to Qualark

Year: 2026

Date: 1-Sep-26

Time: 10:28 AM

	All Days	*Common Days
Mission projection	1,712,583	1,657,397
Qualark estimate	1,303,251	1,303,013
	Difference	354,384
	%Difference	21%



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			Fraser Stocks	
						Early Stuart	Nadina Bowron				Early Summer sub-total	Summer				Summer sub-total	Late			Late sub-total	Age-4 ₂
							Chilli-wack	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	Chilko Ques-nel	Raft North Thompson	Summer sub-total	Birken-head Big Silver	Late Shuswap Portage	Weaver Cultus	Late sub-total	Age-4 ₂
Johnstone Strait & Queen Charlotte Strait																					
A12 ps	tf	Aug 24	DNA	92	99%	0%				1%	1%		3%	45%	2%	50%	3%	35%	11%	49%	96%
A12 ps	tf	Aug 25	DNA	61	100%	0%				4%	4%		5%	49%		54%	12%	27%	3%	42%	95%
A12 ps	tf	Aug27-29	DNA	92	100%	0%					0%			73%		73%	5%	16%	6%	27%	95%
A12 ps		Sep 1	Prediction	1	100%	0%				2%	2%		2%	51%		54%	6%	31%	8%	45%	NA
Juan de Fuca Strait & Washington & Other																					
In-river																					
BB gn	tf	Aug26-27	DNA	100	100%	0%				1%	1%		3%	63%	2%	68%	12%	16%	2%	30%	88%
BB gn	tf	Aug28-29	DNA	90	100%	0%					0%		3%	67%	2%	72%	11%	14%	2%	28%	93%
AB gn	tf	Aug27-28	DNA	41	100%	0%			1%	2%	3%			39%	20%	59%	32%	1%	5%	38%	81%
AB gn	tf	Aug 29	DNA	29	100%	0%					0%			67%	7%	74%	14%	8%	3%	26%	93%
AB gn		Sep 1	Prediction	1	100%	0%				1%	1%			58%	8%	66%	20%	7%	6%	33%	NA

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

A29a tr=29 quardants 3-4 (Gulf Troll)

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

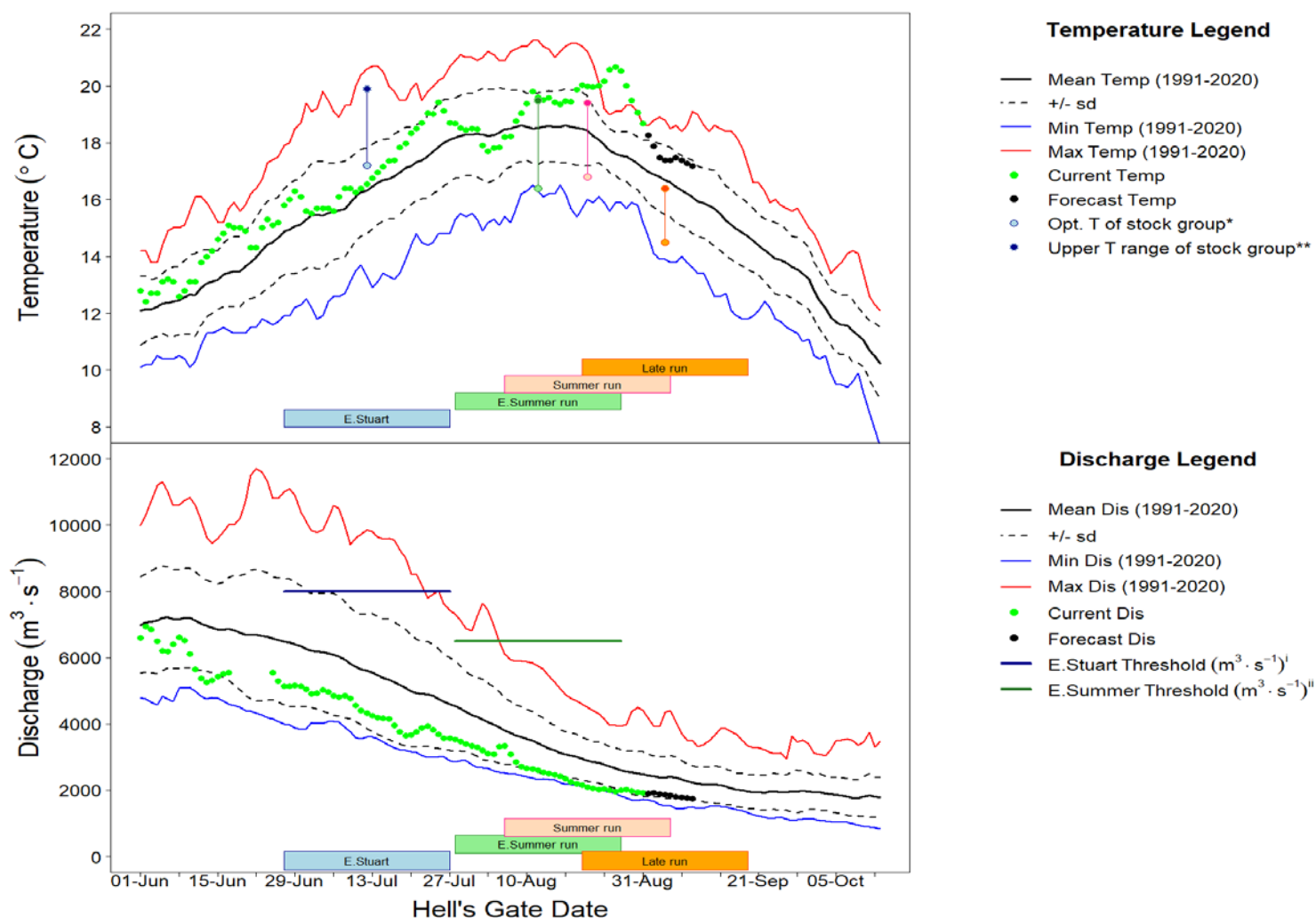
Fraser River Environmental Report for August 31, 2026

Observed Fraser River Temperature at Qualark for 31-Aug	18.7°C
Average (1991-2020) Historical Temperature on this day	17.1°C
Deviation from Average	1.6°C
Forecast Temperature for 06-Sep-26	17.5°C

The forecast in Kamloops is for variable air temperatures. The forecast in Prince George is for above average air temperatures. Smoke in the Fraser watershed may cause some uncertainty in the water temperature forecast.

Observed Fraser River Discharge at Hope for 31-Aug	1912 m ³ ·s ⁻¹
Average (1991-2020) Historical Discharge on this day	2488 m ³ ·s ⁻¹
% above or below Historical Discharge	-23%
Forecast Discharge for 06-Sep-26	1815 m ³ ·s ⁻¹

The forecast in Kamloops and Prince George is for 18 mm and 23 mm of precipitation, respectively.



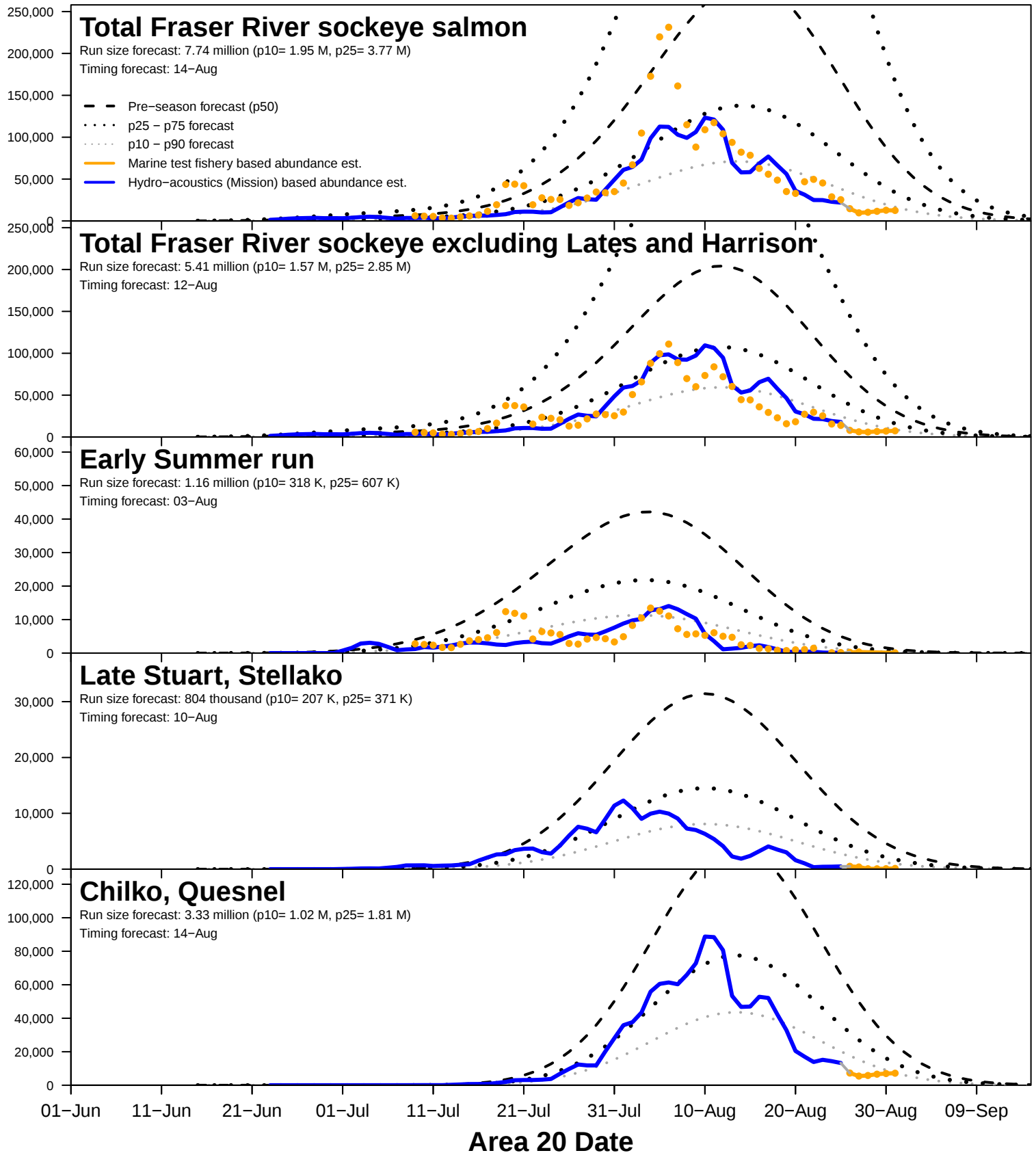
Run timing bars represent a 31 day spread of the run centered around the Hell's Gate date. Hell's gate timing is 5 days from Mission for Early Stuart and Late run; and 4 days from Mission for Early Summer and Summer run. ⁱpMA is the proportional increase to spawning escapement targets to help ensure 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.

Seiii. Current temperatures in areas of the Fraser Watershed

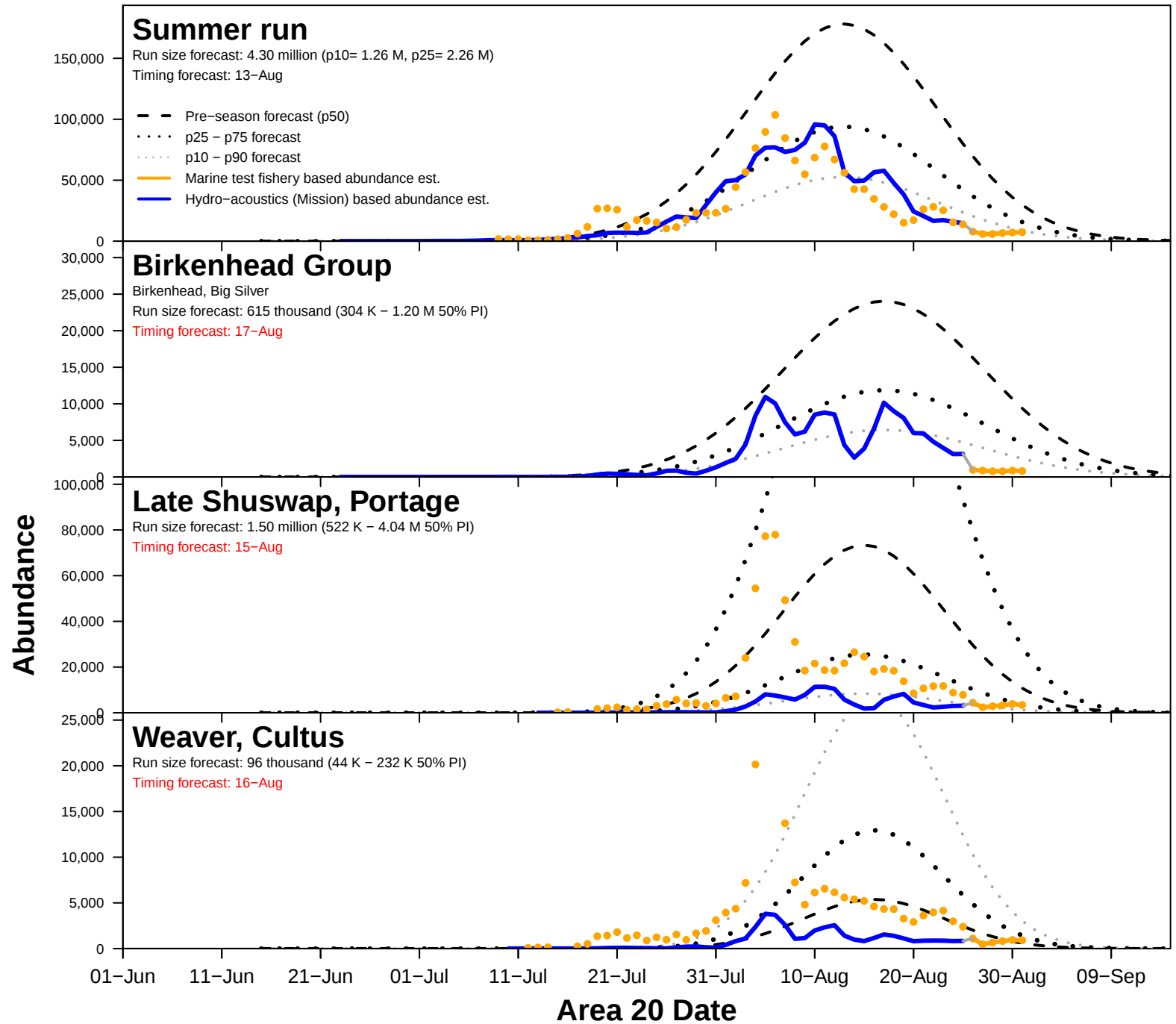
Current Temperatures					
Map #	30-Aug	Daily Mean	Historic Mean	Deviation from Historical Mean	Historic Year Range
<u>Fraser River Mainstem</u>					
1	Fraser River @ Qualark	19.1	17.3	1.8	1991-2020
2	Fraser River @ Texas Creek	18.1	16.7	1.4	2006-2025
3	Fraser River @ Marguerite	17.9	16.8	1.1	2015-2025
4	Upper Fraser @ Shelley	14.8	13.4	1.4	1994-2025
<u>Fraser River Tributaries</u>					
5	Thompson R. @ Ashcroft	19.1	18.3	0.8	1995-2025
6	South Thompson @ Chase	19.6	19.3	0.3	1994-2025
7	North Thompson @ McLure	15.4	14.9	0.5	2006-2025
8	Quesnel R. @ Quesnel	18.0	17.0	1.0	2000-2025
9	Nechako R. @ Isle Pierre	18.2	17.1	1.1	2006-2025
10	Stuart R. @ Ft. St. James	18.2	16.7	1.5	2000-2025



6a. 2026 Fraser River sockeye salmon daily migration



6a. 2026 Fraser River sockeye salmon daily migration



6f 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	
Total Fraser sockeye	3,016,000	7,743,000	● 2,985,000	2,575,000	3,444,000	Sum	2,166,000	96,000	30,000	693,000		14-Aug	08-Aug	07-Aug	10-Aug	Recon
Early Stuart Run	46,000	63,000	✓ 46,000	46,000	46,000	Recon	46,000	0	0	0	01-Jul	04-Jul	01-Jul	01-Jul	01-Jul	Recon
Early Summer Run	220,000	1,164,000	✓ 223,000	223,000	224,000	Sum	222,000	1,000	0	0	02-Aug	03-Aug	02-Aug	02-Aug	02-Aug	Recon
Chilliwack		7,000	✓ 14,000	14,000	14,000	Recon	14,000	0	0	0		17-Jul	06-Jul	06-Jul	06-Jul	Recon
Nadina Group ⁴		662,000	✓ 40,000	40,000	40,000	Recon	40,000	0	0	0		31-Jul	25-Jul	25-Jul	25-Jul	Recon
Pitt/Alouette/Coquitlam		44,000	✓ 7,000	7,000	7,000	Recon	7,000	0	0	0		03-Aug	18-Jul	18-Jul	18-Jul	Recon
Early Thompson ⁵		450,000	✓ 162,000	162,000	163,000	Recon	161,000	1,000	0	0		07-Aug	05-Aug	05-Aug	05-Aug	Recon
Summer Run	1,750,000	4,305,000	● 1,663,000	1,602,000	1,726,000	Sum	1,562,000	67,000	23,000	11,000	10-Aug	13-Aug	09-Aug	09-Aug	10-Aug	Recon
Harrison / Widgeon		119,000	▲ 32,000	19,000	46,000	Marine N	21,000	0	0	11,000		08-Aug	03-Aug	29-Jul	06-Aug	Marine N
Late Stuart / Stellako		804,000	✓ 214,000	212,000	216,000	Recon(2)	211,000	2,000	1,000	0		10-Aug	03-Aug	02-Aug	03-Aug	Recon(2)
Chilko		1,742,000	● 742,000	716,000	767,000	Recon(2)	691,000	38,000	13,000	0		13-Aug	11-Aug	11-Aug	11-Aug	Recon(2)
Quesnel		1,592,000	✓ 635,000	618,000	653,000	Recon(2)	604,000	24,000	7,000	0		14-Aug	10-Aug	10-Aug	10-Aug	Recon(2)
Raft / North Thompson		49,000	● 40,000	37,000	44,000	Recon(2)	35,000	3,000	2,000	0		21-Aug	18-Aug	15-Aug	24-Aug	Recon(2)
Late Run	1,000,000	2,212,000	◇ 1,053,000	704,000	1,448,000	Sum	336,000	28,000	7,000	682,000	07-Aug	20-Aug	08-Aug	06-Aug	14-Aug	Weight
Birkenhead Group ⁶		615,000	● 175,000	169,000	184,000	Recon	163,000	5,000	7,000	0		22-Aug	12-Aug	11-Aug	17-Aug	Recon
L Shuswap / Weaver Gr. ⁷		1,597,000	◇ 878,000	535,000	1,264,000	Marine N	173,000	23,000	0	682,000		19-Aug	07-Aug	05-Aug	14-Aug	Marine N

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.

⁶ Birkenhead / Big Silver

⁷ Late Shuswap / Portage / Weaver / Cultus

Methods for run size & timing estimation

Recon

Recon(2) Catch + escapement + 6-day test fish projection + model seaward projection

Sum Catch + escapement + model projections

Weight Sum of individual groups

Marine N Weighted average of individual groups

Reconstruction of CPUE-based marine abundances

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 of 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 indication 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 indication 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	17,000	31,000	63,000	122,000	228,000
Early Summer	318,000	607,000	1,164,000	2,049,000	3,211,000
Summer	1,264,000	2,260,000	4,305,000	8,685,000	16,475,000
Late	354,000	870,000	2,212,000	5,471,000	10,686,000

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	46,000	NA	01-Jul	NA
Early Summer Run	No recommendation	220,000	NA	02-Aug	NA
Summer Run	No recommendation	1,750,000	NA	10-Aug	NA
Late Run	No recommendation	1,000,000	NA	07-Aug	NA

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	-0.52	1.08	NA	NA
Early Summer Run	No recommendation	-0.21	0.27	NA	NA
Summer Run	No recommendation	-0.23	0.30	NA	NA
Late Run	No recommendation	-0.30	0.43	NA	NA

13. Data & Partner Acknowledgements

1. Fisheries & Oceans Canada (DFO)
 - Environmental Watch Program
 - Fraser River Stock Assessment
 - Basin and Coastal Scale Interactions Program
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))
3. Yale First Nation
4. Pacheedaht First Nation
5. 'Namgis First Nation
6. A-Tlegay Fisheries Society
7. Makah Tribe
8. Pacific Salmon Foundation & Sonora Marine Services