



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

FRP meeting: Friday, September 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		
	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		
	d) Updated TAC table		
	8) Fisheries recommendations		
	a) Canadian and U.S. proposals		Panel
☒	b) Staff catch evaluation based on proposed fisheries		PSC staff
	c) Canadian and U.S. evaluation		Panel
	d) Panel decision		
☐	9) Assessments from other areas	5 min	PSC staff
☒	10) Other business: Weekly report, Sept 16 meeting?, Agenda for Sept 23	5 min	Panel
☒	11) Next FRP meeting and agenda	2 min	PSC staff/Panel
	12) Next TC meeting: January 12		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 run sizes

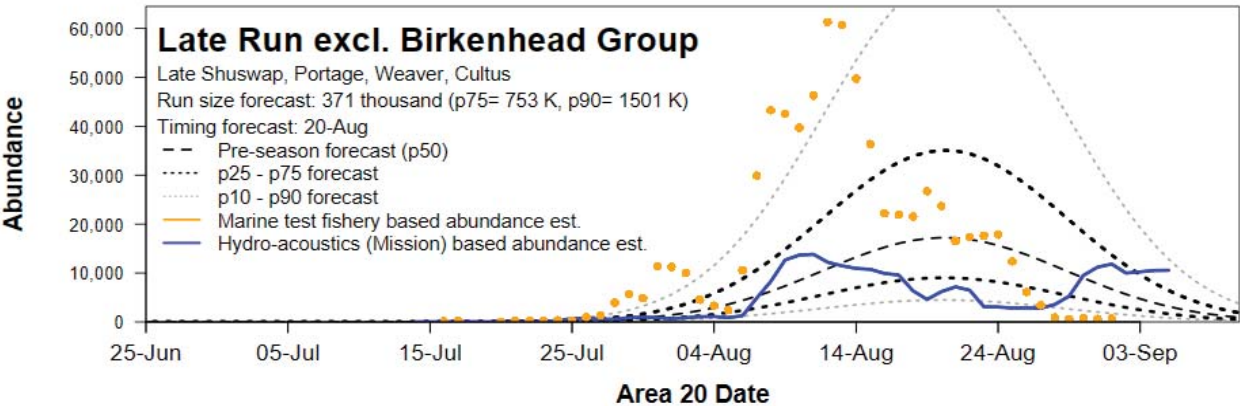
2025 Run status of Fraser sockeye and pink salmon

Date: Sep. 12, 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: Sep. 7 - Sep. 13, 2025	Sockeye				Pink	
	Management Group				Total Fraser	Total Fraser
	E.Stuart	E.Summer	Summer	Late		
Mission passage (inclds Pitt, Alouette, Coquitlam)	731,900	375,800	6,103,400	641,200	7,852,300	13,227,300
Catch downstream of Mission	3,900	34,900	783,100	119,100	941,000	1,230,900
Accounted Run To Date	735,800	410,700	6,886,500	760,300	8,793,300	14,458,200
Run size adopted in-season ¹	725,000	400,000	7,000,000	1,150,000	9,275,000	12,500,000
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	1-Aug	11-Aug	14-Aug	11-Aug	13-Aug
Area 20 timing expected pre-season	8-Jul	3-Aug	15-Aug	20-Aug	14-Aug	21-Aug
Johnstone Str. Diversion Rate	Annual average to date				45%	12%
	Preseason forecast of annual rate:				64%	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: Sep. 12, 2025

Week of: Sep. 7 - Sep. 13, 2025		Sockeye		Pink	
		Total	Fraser	Total	Fraser
Canada		911,894	904,607	248,743	116,372
	Commercial	160,098	159,342	59,587	28,015
	B Purse Seine	96,850	96,215	46,510	18,081
	D Gillnet	24,132	24,033	3,547	1,445
	E Gillnet	35,137	35,137	6,447	6,447
	H Troll	3,979	3,957	3,083	2,042
	First Nations	735,120	728,602	119,482	55,739
	Food, Social & Ceremonial (FSC)	664,164	657,646	97,710	33,967
	Marine	242,837	236,514	84,339	20,596
	Fraser R.	421,327	421,132	13,371	13,371
	Economic Opportunity (EO) & Demonstration (Demo)	70,956	70,956	21,772	21,772
	Single Stock FSC (SS FSC)	0	0	0	0
	Recreational	2,322	2,310	68,363	31,308
	Charter (Albion & A12 Chum test fishery)	749	749	1,311	1,311
	Other****	13,605	13,605	0	0
United States		304,108	303,969	1,434,774	1,118,881
	Commercial	297,378	297,240	1,434,774	1,118,881
	Treaty Tribes (TRB)	217,950	217,935	821,945	617,741
	All Citizen (AC)	79,428	79,305	612,829	501,139
	Treaty Tribes Ceremonial & Subsistence (C&S)	6,730	6,729	0	0
	All Citizen Recreational	0	0	0	0
	Other****	0	0		
	Alaska *	na	na	na	na
Panel-approved Test Fisheries		33,807	33,045	21,533	15,134
	Panel Waters	24,142	23,874	19,575	14,447
	Canada	23,398	23,144	18,763	14,166
	U.S.	744	730	812	281
	Non-Panel Waters**	9,665	9,170	1,958	687
Total		1,249,809	1,241,621	1,705,050	1,250,387
Catch Seaward of Mission ***		949,251	941,063	1,685,542	1,230,878
Catch Upstream of Mission		300,558	300,558	19,508	19,508

* 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: Sep. 12, 2025

Week of: Sep. 7 - Sep. 13, 2025		Sockeye releases		Release mortality	
		Total	Fraser	Total	Fraser
Canada		8,557	8,471	754	745
	Commercial	266	266	27	27
	B Purse Seine	0	0	0	0
	D Gillnet	0	0	0	0
	E Gillnet	0	0	0	0
	H Troll	266	266	27	27
	First Nations ****	3,530	3,530	251	251
	Food, Social & Ceremonial (FSC)	3,526	3,526	251	251
	Marine	0	0	0	0
	Fraser R.	3,526	3,526	251	251
	Economic Opportunity (EO) & Demon:	4	4	0	0
	Single Stock FSC (SS FSC)	0	0	0	0
	Recreational	4,681	4,596	468	460
	Charter (Albion & A12 Chum test fishery)	0	0	0	0
	Other**	80	80	10	8
United States		19,622	19,615	4,913	4,911
	Commercial	19,622	19,615	4,913	4,911
	Treaty Tribes (TRB)	0	0	0	0
	All Citizen (AC)	19,622	19,615	4,913	4,911
	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		289,393	277,147	28,420	27,737
	Panel Waters	289,392	277,146	28,420	27,736
	Canada	283,696	277,146	28,391	27,736
	U.S.	5,696	0	29	0
	Non-Panel Waters	1	1	1	1
Total		317,572	305,233	34,087	33,393
Catch Seaward of Mission ***		313,965	301,626	33,834	33,139
Catch Upstream of Mission		3,582	3,582	256	256

* 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	400,000	7,000,000	1,150,000	9,275,000	12,500,000		
Adult Spawning Escapement Target (SET)		580,000	200,000	3,500,000	575,000	4,855,000	6,000,000		
%SET from TAM rules		80%	50%	50%	50%		48%		
Management Adjustment (MA)		1,078,800	108,000	1,890,000	598,000	3,674,800	0		
Proportional MA (pMA)		1.86	0.54	0.54	1.04		0.00		
Adjusted Spawning Escapement Target (SET) *		725,000	308,000	5,390,000	1,150,000	7,573,000	6,000,000		
Test Fishing (TF)		5,320	2,300	24,000	2,600	34,220	15,000		
Surplus above Adjusted SET & Test fishing		0	89,700	1,586,000	0	1,675,700	6,485,000		
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)		730,320	334,187	5,790,113	1,152,600	8,007,220	6,015,000		
Available TAC for International Sharing		0	65,813	1,209,887	0	1,275,700	6,485,000		
UNITED STATES (Washington) TAC									
Proportionally Distributed TAC **		16.5%	0	10,860	199,630	0	210,490	25.7%	1,666,650
U.S. Payback **		-0.2%	0	-120	-2,270	0	-2,390		0
Proportionally Distributed TAC + Payback		0	10,740	197,360	0	208,100	1,666,650		
Treaty Tribes Share **		67.7%	0	7,230	132,880	0	140,110	50.0%	833,325
All Citizen Share		32.3%	0	3,510	64,480	0	67,990	50.0%	833,325
CANADA TAC									
Aboriginal Fishery Exemption (AFE)		0	23,887	376,113	0	400,000	0		
Canadian TAC + AFE		0	78,960	1,388,640	0	1,467,600	4,818,350		
CATCH-TO-DATE									
Test		5,310	2,260	23,220	2,250	33,040	15,130		
Treaty Tribes (Wash.) / Ceremonial (TRB)		0	5,070	186,550	33,040	224,660	617,740		
All Citizen (Wash.)		0	2,320	65,330	11,660	79,310	501,140		
Other (Wash.)***		0	0	0	0	0	0		
Washington		0	7,390	251,880	44,700	303,970	1,118,880		
First Nations Catch (including AFE)		3,590	34,390	566,590	53,080	657,650	33,970		
Planned Charter & Recreational Shares		60	60	2,390	552	3,059	32,620		
Other***		3,400	1,690	8,480	30	13,600	0		
Total Commercial (including FN EO/Demo****)		0	6,650	197,730	25,930	230,300	49,790		
Canada		7,050	42,790	775,190	79,590	904,610	116,370		
Total Catch in All Fisheries		12,360	52,440	1,050,290	126,540	1,241,620	1,250,390		
Exploitation Rate (catch-to-date / run size)		1.7%	13.1%	15.0%	11.0%	13.4%	10.0%		
Fisheries induced mortalities (Canada, U.S. & TF)		79	1,109	27,388	4,817	33,393			
Exploit. Rate with fishery-induced mortality included		1.7%	13.4%	15.4%	11.4%	13.7%			
CATCH REMAINING (BALANCE)									
Washington		0	3,350	-54,520	-44,700	-95,870	547,770		
Canada		-7,050	36,170	613,450	-79,590	562,980	4,701,980		
Balance Remaining [below share / -above share]		-7,050	39,520	558,930	-124,290	467,110	5,249,750		

* 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	Fraser River								
	A29-17 GN	A29-16 GN	Whon CPUE	GN Catch (+8 days)	Qualark Estimate ¹	Method ²	Mission Hydroacoustics		Hells Gate Estimates ⁵ (+10 days)
	Brownsville Bar (+5 days)	Whonnock (+6 days)	Estimate (+6 days)				Estimate ³ (+6 days)	Method ⁴	
22-Aug	237	189	15.12	117	82,227	RB + LB	363,400	A1+M2+A2	63,940
23-Aug	76	188	15.04	75	101,845	RB + LB	383,200	A1+M2+A2	23,370
24-Aug	103	144	11.52	113	205,338	RB + LB	360,900	A1+M2+A2	51,780
25-Aug	167	310	24.80	124	236,251	RB + LB	220,400	A1+M2+A2	No Count
26-Aug	85	104	8.32	119	273,686	RB + LB	246,300	A1+M2+A2	72,410
27-Aug	102	43	3.36	94	290,909	RB + LB	202,000	A1+M2+A2	No Count
28-Aug	125	16	1.25	103	448,523	RB + LB	51,700	CPUE-Wh-Avg	59,410
29-Aug	148	20	1.60	97	543,831	RB + LB	37,000	CPUE-Wh-Avg	31,870
30-Aug	83	20	1.60	63	529,888	RB + LB	59,800	CPUE-Wh-Avg	No Count
31-Aug	50	50	3.98	37	315,204	RB + LB	66,300	CPUE-Wh-Avg	No Count
1-Sep	82	34	2.58	42	294,818	RB + LB	59,600	CPUE-Wh-Avg	42,370
2-Sep	50	11	0.90	25	214,278	RB + LB	20,800	CPUE-Wh-Avg	15,610
3-Sep	42	11	0.88	32	159,683	RB + LB	20,400	CPUE-Wh-Avg	7,980
4-Sep	49	5	0.40	31	259,121	RB + LB	9,300	CPUE-Wh-Avg	6,170
5-Sep	46	10	0.81	6	120,338	RB + LB	18,700	CPUE-Wh-Avg	No Count
6-Sep	29	14	1.13	15	105,034	RB + LB	26,100	CPUE-Wh-Avg	No Count
7-Sep	15	8	0.64	11	97,083	RB + LB	14,800	CPUE-Wh-Avg	No Count
8-Sep	7	12	0.97	5	47,939	RB + LB	22,400	CPUE-Wh-Avg	2,290
9-Sep	48	13	1.04	14	59,470	RB + LB	24,100	CPUE-Wh-Avg	1,850
10-Sep	End	7	0.56	6	18,566	RB + LB	13,000	CPUE-Wh-Avg	1,430
11-Sep		10	0.80	8			18,500	CPUE-Wh-Avg	1,480
12-Sep									
13-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)

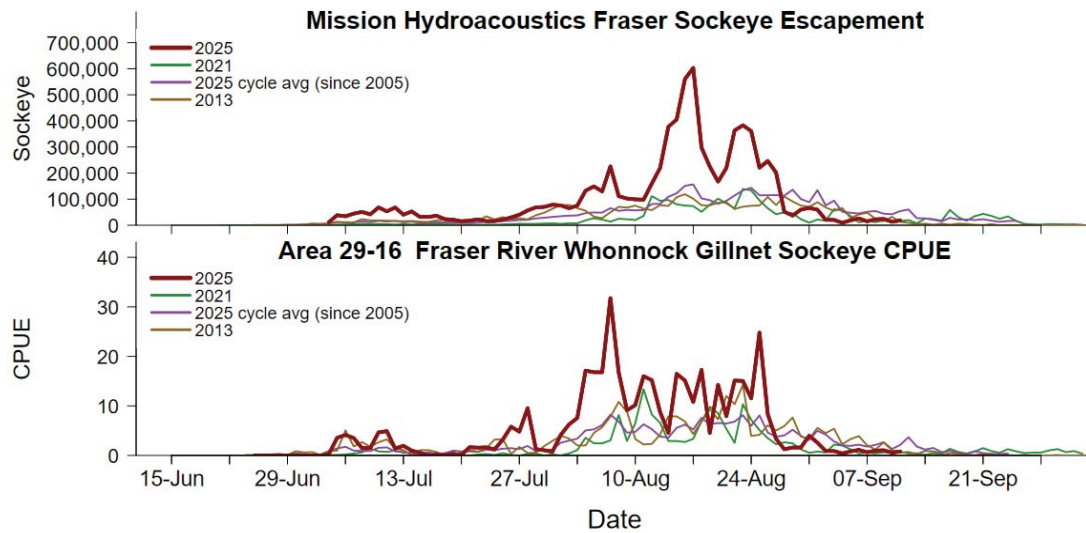
³ Mission escapement estimate - does not include Pitt

⁴ Mission Source:

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

CPUE-Wh-Avg = Whonnock CPUE * In-season expansion line (3-day average)

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



5a_Test Fishing & Escapement Summary_Pinks

2025 Fraser Pink Test Fishing & Escapement Summary

Area/Gear Location From A20	Fraser River								
	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
22-Aug	59	22	1.76	24	16,867	RB + LB	86,720	CPUE-Wh-CC	1,210
23-Aug	48	23	1.84	9	12,221	RB + LB	93,810	CPUE-Wh-CC	3,950
24-Aug	242	50	4.00	23	41,794	RB + LB	223,610	CPUE-Wh-CC	5,390
25-Aug	416	543	43.44	62	118,125	RB + LB	498,230	CPUE-Wh-CC	No Count
26-Aug	360	277	22.16	30	68,997	RB + LB	907,890	CPUE-Wh-CC	18,890
27-Aug	193	121	9.53	37	114,507	RB + LB	1,259,710	CPUE-Wh-CC	No Count
28-Aug	267	50	3.97	62	269,985	RB + LB	1,019,000	A1+M2+A2	30,060
29-Aug	148	118	9.44	60	336,390	RB + LB	654,810	A1+M2+A2	55,790
30-Aug	301	114	9.12	27	227,095	RB + LB	720,580	A1+M2+A2	No Count
31-Aug	261	50	3.96	31	264,090	RB + LB	660,700	A1+M2+A2	No Count
1-Sep	187	57	4.31	25	175,487	RB + LB	610,910	A1+M2+A2	108,550
2-Sep	442	58	4.70	25	214,278	RB + LB	565,120	A1+M2+A2	130,530
3-Sep	210	168	13.44	51	254,495	RB + LB	835,930	A1+M2+A2	46,540
4-Sep	346	234	18.79	16	133,740	RB + LB	969,880	A1+M2+A2	45,220
5-Sep	226	193	15.50	13	260,733	RB + LB	945,540	A1+M2+A2	No Count
6-Sep	161	209	16.75	31	217,070	RB + LB	796,450	A1+M2+A2	No Count
7-Sep	118	154	12.33	22	194,166	RB + LB	634,740	A1+M2+A2	No Count
8-Sep	49	77	6.18	14	134,230	RB + LB	383,920	A1+M2+A2	29,740
9-Sep	182	135	10.80	36	152,922	RB + LB	208,030	A1+M2+A2	34,430
10-Sep	End	570	45.60	42	129,965	RB + LB	429,310	A1+M2+A2	59,200
11-Sep		186	14.88	21			268,600	A1+M2+A2	44,590
12-Sep									
13-Sep									

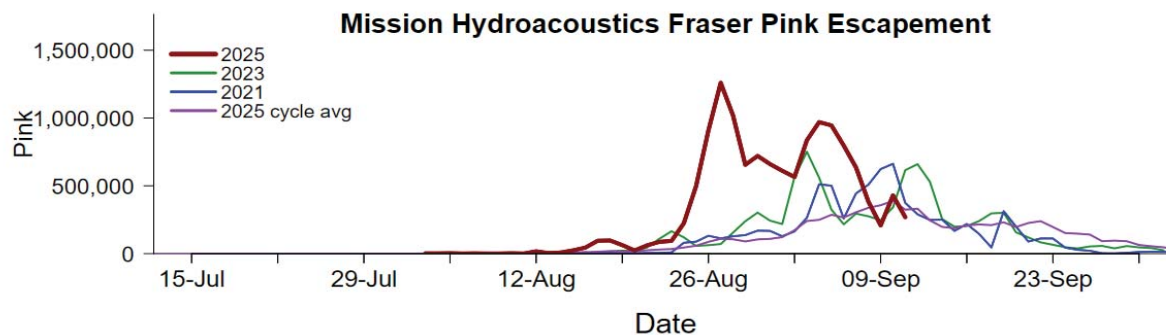
¹ Qualark source:

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

² Mission source:

CPUE-Wh-CC = Catchability Correction Model

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.

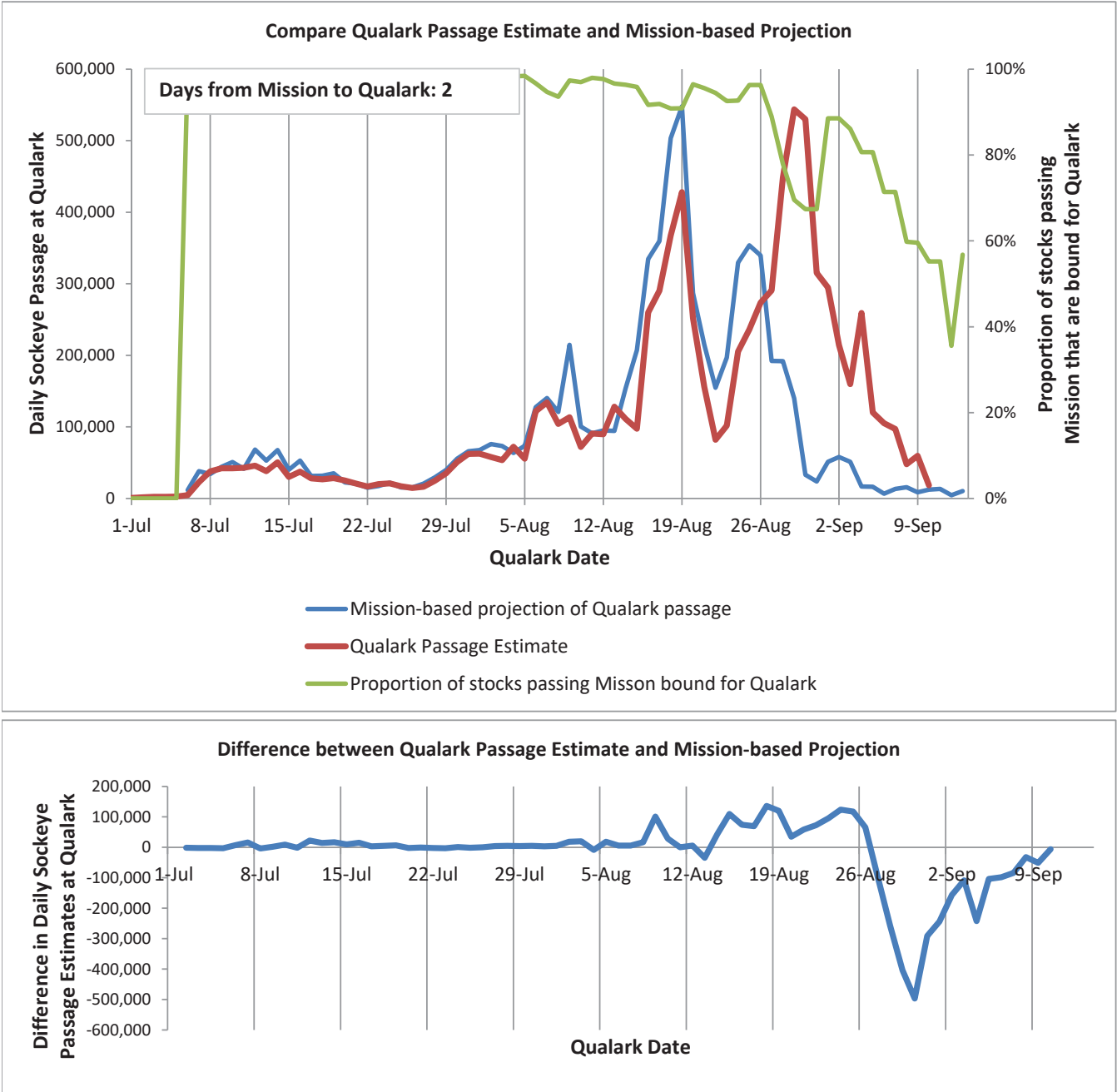
5b. Comparison of predictions from Mission to Qualark

Year: 2025

Date: 12-Sep-25

Time: 9:14 AM

	All Days	*Common Days
Mission projection	7,125,349	7,096,938
Qualark estimate	8,336,650	8,327,006
	Difference	-1,230,068
	%Difference	(17%)



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	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	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																							
Juan de Fuca Strait & Washington & Other																							
In-river																							
BB gn	tf	Sep7-8	DNA	22	100%	0%					0%	9%		33%	12%	54%	9%	14%	23%	46%	90%		
BB gn	tf	Sep 9	DNA	48	100%	0%			2%		2%	2%	2%	3%	1%	8%	9%	25%	55%	90%	98%		
AB gn	tf	Sep7-8	DNA	20	100%	0%			5%		5%	15%		15%	5%	35%		25%	35%	60%	83%		
AB gn	tf	Sep9-10	DNA	20	100%	0%					0%		5%	40%	1%	46%		4%	50%	54%	94%		

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	BC South Coast
Johnstone Strait							
A12 PS	TF	Aug19	DNA	97	58%	30%	12%
A12 PS	TF	Aug26	DNA	96	51%	30%	19%
A12		Sep13	Prediction	1	78%	16%	6%
Juan de Fuca Strait							
A20 PS	TF	Aug12	DNA	100	62%	31%	7%
A20 PS	TF	Aug21	DNA	96	42%	54%	4%
A20		Sep13	Prediction	1	80%	19%	1%
Washington							
A7 PS	CM	Aug18	DNA	96	86%	6%	9%
A7A PS	CM	Aug28	DNA	95	80%	13%	7%
A7		Sep13	Prediction	1	94%	5%	1%
A7A		Sep13	Prediction	1	94%	5%	2%

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

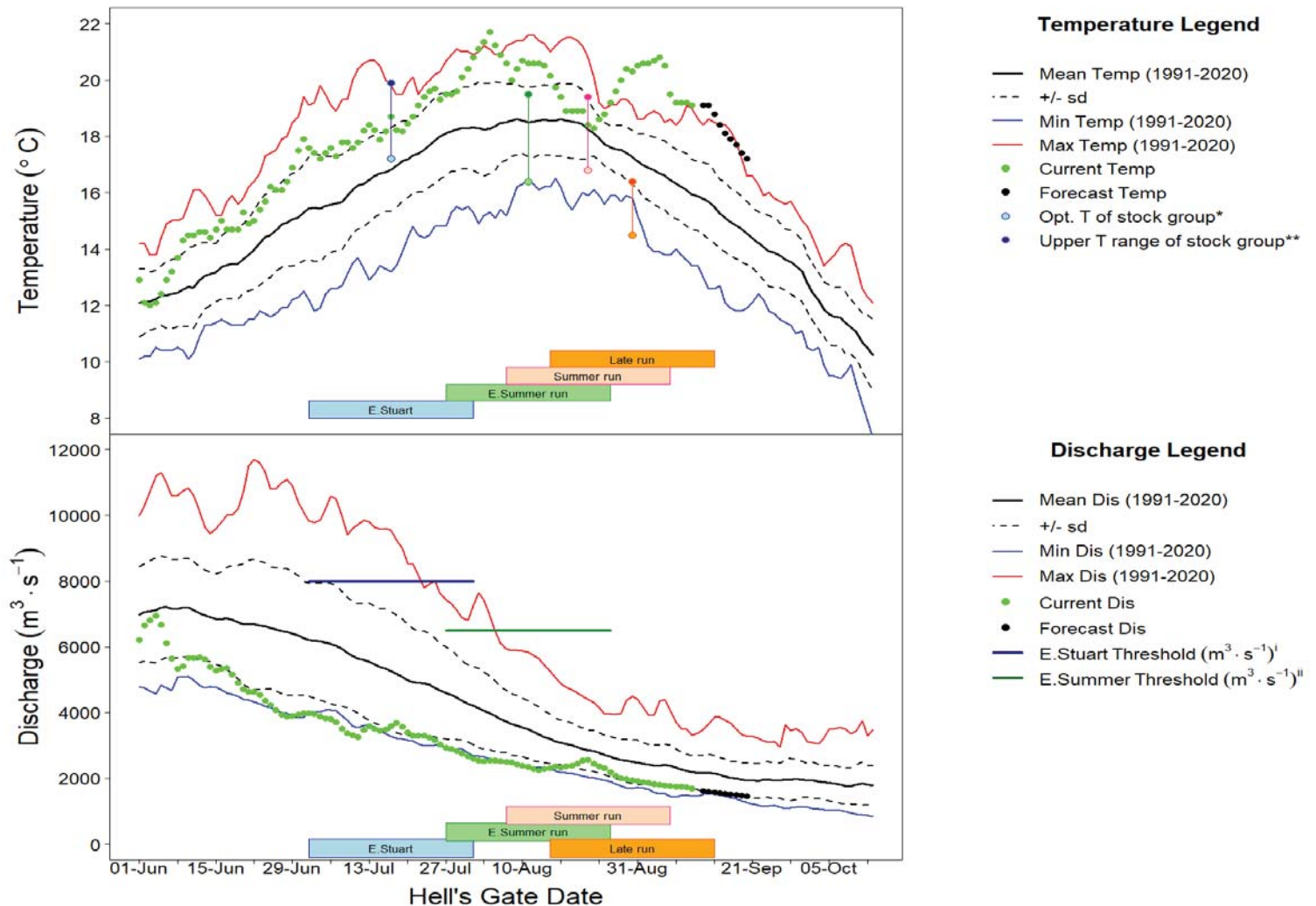
Results in grey text have been presented to the Panel previously

Sei. Environmental report

Fraser River Environmental Report for September 11, 2025

Observed Fraser River Temperature at Qualark for 11-Sep	19°C
Average (1991-2020) Historical Temperature on this day	15.9°C
Deviation from Average	3.1°C
Forecast Temperature for 17-Sep-25	17.9°C
The forecast in Kamloops and Prince George is for above average temperature for the entire forecast period. *Note there are active fires and smokey conditions in the central interior that may	

Observed Fraser River Discharge at Hope for 11-Sep	1641 m ³ ·s ⁻¹
Average (1991-2020) Historical Discharge on this day	2180 m ³ ·s ⁻¹
% above or below Historical Discharge	-25%
Forecast Discharge for 17-Sep-25	1507 m ³ ·s ⁻¹
The forecast in Kamloops and Prince George is for 4 mm and 2 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} (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.

Seiii. Current temperatures in areas of the Fraser Watershed

Current Temperatures					
Map #	10-Sep	Daily Mean	Historic Mean	Deviation from Historical Mean	Historic Year Range
<u>Fraser River Mainstem</u>					
1	Fraser River @ Qualark	19.1	15.9	3.2	1991-2020
2	Fraser River @ Texas Creek	na	15.3	na	2006-2024
3	Fraser River @ Marguerite	17.3	14.9	2.4	2015-2024
4	Upper Fraser @ Shelley	na	11.9	na	1994-2024
<u>Fraser River Tributaries</u>					
5	Thompson R. @ Ashcroft	19.9	17.3	2.6	1995-2024
6	South Thompson @ Chase	21.3	18.2	3.1	1994-2024
7	North Thompson @ McLure	17.1	13.9	3.2	2006-2023
8	Quesnel R. @ Quesnel	18.0	14.9	3.1	2000-2024
9	Nechako R. @ Isle Pierre	18.3	15.4	2.9	2006-2024
10	Stuart R. @ Ft. St. James	18.5	14.9	3.6	2000-2024



5ev. Report on Fish Condition

Date of Power BI Report

11-Sep-25 09:21

Latest Data Entry Date

09-Sep-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

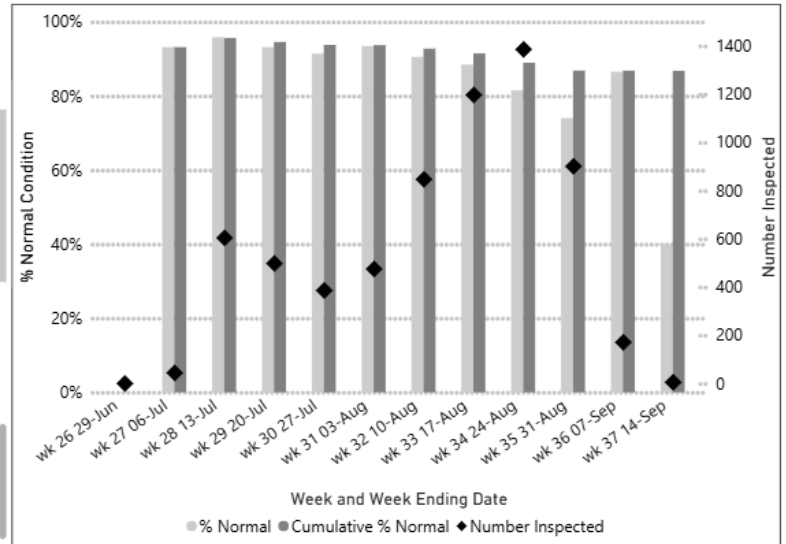
Normal Condition Fish do not show evidence of any marks (e.g. no marks on gill and body, no hook marks or open wounds)

Observations by Week

Row Labels	Observations
wk 23 08-Jun	No fish observed
wk 26 29-Jun	No fish observed
wk 27 06-Jul	No fish observed
wk 18 04-May	No Monitoring
wk 19 11-May	No Monitoring
wk 20 18-May	No Monitoring
wk 24 15-Jun	No Monitoring
wk 35 31-Aug	Pink and Sockeye both holding
wk 36 07-Sep	Sockeye and Pink holding at all stream mouths
wk 33 17-Aug	Starting to see moribund/diseased Sk in back eddies and pools at surface

Sample Size by Site

Week and Week End Date	D01	D02	D03	D04	D05	D06	D07a	D07b	D08	D09	D10	D11	D14	Qualark	Total
wk 32 10-Aug				84						0	3		11	749	847
wk 33 17-Aug			2	36	20	54	15		20	117	35			898	1,197
wk 34 24-Aug	12	10		8		4			232	92				1,028	1,386
wk 35 31-Aug				21	16	37				118	37			672	901
wk 36 07-Sep	5									10				171	186
wk 37 14-Sep														5	5
Total	17	22	11	149	36	95	15		20	477	167	0	25	5,495	6,529



Sevi. Spawning ground reports

Table 1. Fraser River Sockeye escapement - 2025 in-season update #8.

Stock	Survey Method	Start Date	End Date	No. to Date	Spawning	Water Temp.	Water Conditions	Fish Condition
EARLY SUMMER								
Nadina Channel	Fence counts	1-Sep	Ongoing	3,658	Approaching peak spawning	16-20	High evening water temp	Signs of stress, pre-spawn mortality
Nadina River	Hydroacoustics	29-Jul	Ongoing	36,711	Approaching peak spawning	18-21	High evening water temp	Majority pre-spawn mortality to date
Nahatlatch	Visual survey	20-Aug	Ongoing	22,832	Past peak spawning	13	Moderate to high water levels	
Pitt River & tribs.	Visual survey	28-Aug	Ongoing		Peak spawning	12.9-15.1	Low water levels	
Scotch Creek	Fence counts	14-Aug	Ongoing		Peak spawning	16		
South Thompson (excl. Scotch)	Visual survey	28-Aug	Ongoing		Past peak spawning	12.4-18.8	Low water levels	
Upper Barriere River	Visual survey	1-Sep	Ongoing		Past peak spawning	14.3-15.2	Low water levels	
SUMMER								
Chilko River	Hydroacoustics	07-Aug	Ongoing	1,508,304	Migrating/holding	15	Low water levels and increasing temp Low water levels in some creeks	Migration wounds
Tachie River	Mark recapture	31-Aug	Ongoing		Migrating/holding	19		Net and migration wounds
North Thompson (tribs)	Visual survey	21-Aug	Ongoing		Past peak spawning	16.8		
Quesnel System	Visual survey	28-Aug	Ongoing		Approaching peak spawning (Horsefly)	10.1-19.2		
Quesnel River	Hydroacoustics	07-Aug	Ongoing	302,864		19		
Raft River	Visual survey	21-Aug	Ongoing		Past peak spawning	16.5		
Stellako River	Hydroacoustics	25-Jul	Ongoing	94,677	Migrating/holding	16		
LATE								
Cultus Lake	Fence counts	29-Jul	Ongoing	67	Migrating/holding	22.5		

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% PIs ²		Method	Catch + Escapement	6-day Projection ³	Seaward Abundance	Migration Delay	Inseason Adopted	Preseason Forecast	Inseason estimate	Inseason 80% PIs ²		Method
				10% PI	90% PI									10% PI	90% PI	
Total Fraser sockeye	9,275,000	2,941,000	✓ 9,240,000	8,803,000	9,433,000	Sum	8,803,000	0	0	437,000		14-Aug	10-Aug	10-Aug	11-Aug	Recon
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	Recon
Early Summer Run	400,000	221,000	✓ 411,000	411,000	411,000	Recon	411,000	0	0	0	01-Aug	03-Aug	01-Aug	01-Aug	01-Aug	Recon
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	✓ 221,000	221,000	221,000	Recon	221,000	0	0	0		31-Jul	01-Aug	01-Aug	01-Aug	Recon
Pitt/Alouette/Coquitlam		46,000	✓ 18,000	18,000	18,000	Recon	18,000	0	0	0		04-Aug	31-Jul	31-Jul	31-Jul	Recon
Early Thompson ⁵		80,000	✓ 167,000	167,000	167,000	Recon	167,000	0	0	0		07-Aug	02-Aug	02-Aug	02-Aug	Recon
Summer Run	7,000,000	2,136,000	✓ 6,894,000	6,894,000	6,895,000	Sum	6,894,000	0	0	0	11-Aug	15-Aug	11-Aug	11-Aug	11-Aug	Recon
Harrison / Widgeon		46,000	✓ 88,000	88,000	88,000	Recon	88,000	0	0	0		09-Aug	10-Aug	10-Aug	10-Aug	Recon
Late Stuart / Stellako		889,000	✓ 2,015,000	2,015,000	2,015,000	Recon	2,015,000	0	0	0		14-Aug	09-Aug	09-Aug	09-Aug	Recon
Chilko		928,000	✓ 4,061,000	4,061,000	4,062,000	Recon	4,061,000	0	0	0		14-Aug	12-Aug	12-Aug	12-Aug	Recon
Quesnel		260,000	✓ 509,000	509,000	509,000	Recon	509,000	0	0	0		18-Aug	13-Aug	13-Aug	13-Aug	Recon
Raft / North Thompson		14,000	✓ 221,000	221,000	221,000	Recon	221,000	0	0	0		23-Aug	13-Aug	13-Aug	13-Aug	Recon
Late Run	1,150,000	468,000	▲ 1,199,000	762,000	1,391,000	Recon	762,000	0	0	437,000	14-Aug	20-Aug	13-Aug	10-Aug	15-Aug	Recon
Birkenhead Group		97,000	✓ 504,000	504,000	504,000	Recon	504,000	0	0	0		21-Aug	15-Aug	15-Aug	15-Aug	Recon
L.Shuswap / Weaver Gr.		371,000	◇ 695,000	258,000	887,000	Recon	258,000	0	0	437,000		20-Aug	13-Aug	08-Aug	14-Aug	Recon
Fraser Pink salmon	12,500,000	26,965,000	◇ 14,486,000	14,463,000	14,562,000	Recon(2)	14,458,000	25,000	3,000	0	13-Aug	21-Aug	13-Aug	13-Aug	13-Aug	Recon(2)

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

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

Recon(2) Catch + escapement + model projections

Sum Sum of individual groups

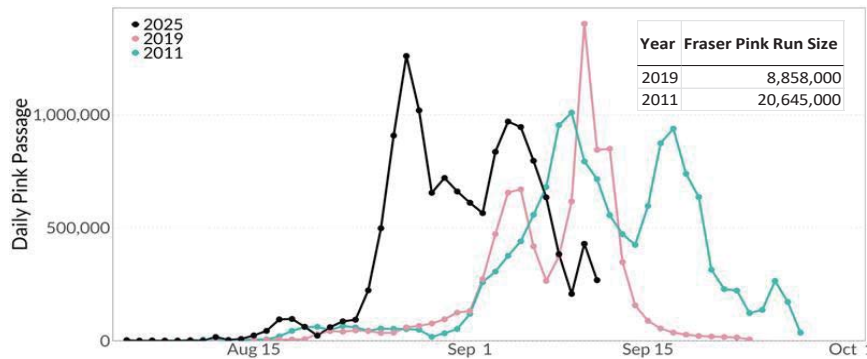
Run Size Uncertainty Legend¹

- ✓ ≥ 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 for 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

¹ 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



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	No recommendation	400,000	NA	01-Aug	NA
Summer Run	No recommendation	7,000,000	NA	11-Aug	NA
Late Run	No recommendation	1,150,000	NA	14-Aug	NA
Pink Salmon Run	No recommendation	12,500,000	NA	13-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	-0.65	1.86	NA	NA
Early Summer Run	No recommendation	-0.35	0.54	NA	NA
Summer Run	No recommendation	-0.35	0.54	NA	NA
Late Run	No recommendation	-0.51	1.04	NA	NA



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

FRP meeting: Tuesday, September 16, 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		
☒	7) Recommendations on run size, migration timing and MA		PSC staff
☐	a) PSC recommendations		Panel
☐	b) Canadian and/or U.S. recommendations		
☐	c) Panel decision		
☐	d) Updated TAC table		
☐	8) Fisheries recommendations		Panel
☒	a) Canadian and U.S. proposals		PSC staff
☒	b) Staff catch evaluation based on proposed fisheries		Panel
☐	c) Canadian and U.S. evaluation		
☐	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: January 12		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))
3. A-Tlegay Fisheries
4. Da'naxda'xw First Nation
5. Northwest Indian Fisheries Commission
6. Washington Department of Fish & Wildlife
7. Leey'qsun First Nation