



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

FRP meeting: Tuesday, August 19, 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: ?	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 run sizes

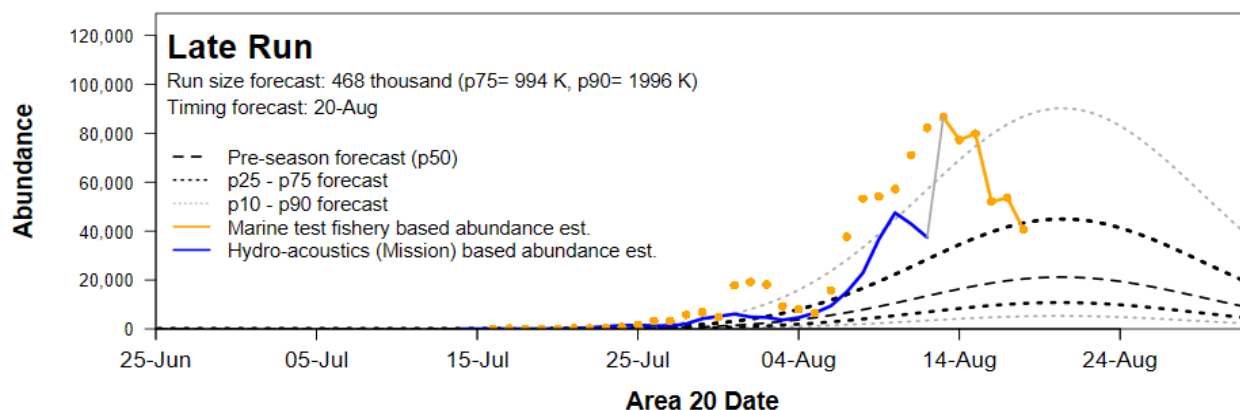
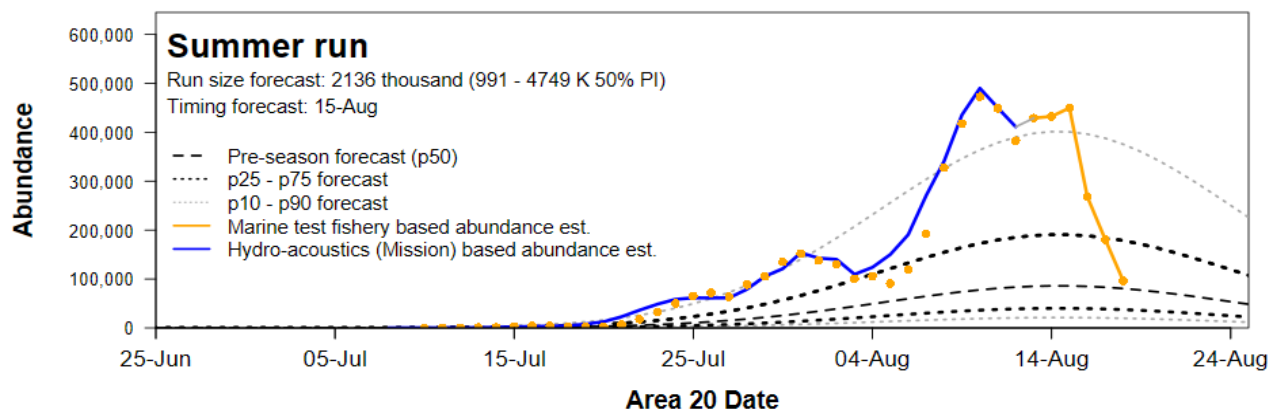
2025 Run status of Fraser sockeye and pink salmon

Date: Aug. 19, 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. 17 - Aug. 23, 2025	Sockeye					Pink	
	Management Group				Total	Total	
	E.Stuart	E.Summer	Summer	Late	Fraser	Fraser	
Mission passage (inclds Pitt, Alouette, Coquitlam)	733,200	324,200	3,702,100	213,700	4,973,200	307,200	
Catch downstream of Mission	4,100	27,900	474,500	64,700	571,200	133,300	
Accounted Run To Date	737,300	352,100	4,176,600	278,400	5,544,400	440,500	
Run size adopted in-season ¹	725,000	400,000	7,500,000	1,000,000	9,625,000	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	1-Aug	14-Aug	20-Aug	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					51%	5%
	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: Aug. 19, 2025

Week of: Aug. 17 - Aug. 23, 2025		Sockeye		Pink	
		Total	Fraser	Total	Fraser
Canada		568,586	561,931	135,766	39,557
	Commercial	119,116	118,458	45,562	18,918
	B Purse Seine	93,871	93,335	40,853	16,752
	H Troll	2,549	2,538	1,392	765
	First Nations	435,743	429,745	78,903	19,875
	Food, Social & Ceremonial (FSC)	435,743	429,745	78,903	19,875
	Marine	229,815	223,864	78,903	19,875
	Fraser R.	205,928	205,882	0	0
	Economic Opportunity (EO) & Demonstration (Demo)	0	0	0	0
	Single Stock FSC (SS FSC)	0	0	0	0
	Recreational	0	0	11,301	764
	Charter (Albion & A12 Chum test fishery)	326	326	0	0
	Other****	13,402	13,402	0	0
United States		94,693	94,574	150,060	92,685
	Commercial	94,550	94,431	150,060	92,685
	Treaty Tribes (TRB)	70,861	70,861	117,988	71,859
	All Citizen (AC)	23,689	23,570	32,072	20,826
	Treaty Tribes Ceremonial & Subsistence (C&S)	143	143	0	0
	All Citizen Recreational	0	0	0	0
	Other****	0	0	0	0
	Alaska *	na	na	na	na
Panel-approved Test Fisheries		26,732	25,986	3,712	1,104
	Panel Waters	19,861	19,601	2,348	925
	Canada	19,117	18,871	1,536	598
	U.S.	744	730	812	327
	Non-Panel Waters**	6,871	6,385	1,364	179
Total		690,011	682,491	289,538	133,346
Catch Seaward of Mission ***		578,788	571,268	289,531	133,339
Catch Upstream of Mission		111,223	111,223	7	7

* 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. 19, 2025

Week of: Aug. 17 - Aug. 23, 2025		Sockeye releases		Release mortality	
		Total	Fraser	Total	Fraser
Canada		2,421	2,412	95	95
	Commercial	0	0	0	0
	B Purse Seine	0	0	0	0
	H Troll	0	0	0	0
	First Nations ****	1,979	1,979	51	51
	Food, Social & Ceremonial (FSC)	1,979	1,979	51	51
	Marine	0	0	0	0
	Fraser R.	1,979	1,979	51	51
	Economic Opportunity (EO) & Demon:	0	0	0	0
	Single Stock FSC (SS FSC)	0	0	0	0
	Recreational	362	354	36	35
	Charter (Albion & A12 Chum test fishery)	0	0	0	0
	Other**	80	80	10	8
United States		500	495	125	124
	Commercial	500	495	125	124
	Treaty Tribes (TRB)	0	0	0	0
	All Citizen (AC)	500	495	125	124
	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		271,018	259,817	26669	26,003
	Panel Waters	271,017	259,816	26668	26,002
	Canada	266,240	259,816	26645	26,002
	U.S.	4,777	0	24	0
	Non-Panel Waters	1	1	1	1
Total		273,939	262,724	26889	26,221
	Catch Seaward of Mission ***	271,879	260,665	26833	26,165
	Catch Upstream of Mission	2,043	2,043	56	56

* 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	7,500,000	1,000,000	9,625,000	26,965,000		
Adult Spawning Escapement Target (SET)	580,000	200,000	3,750,000	500,000	5,030,000	8,089,500		
%SET from TAM rules	80%	50%	50%	50%		30%		
Management Adjustment (MA)	1,078,800	108,000	1,050,000	460,000	2,696,800	0		
Proportional MA (pMA)	1.86	0.54	0.28	0.92		0.00		
Adjusted Spawning Escapement Target (SET) *	725,000	308,000	4,800,000	960,000	6,793,000	8,089,500		
Test Fishing (TF)	5,500	3,400	29,350	5,531	43,781	90,000		
Surplus above Adjusted SET & Test fishing	0	88,600	2,670,650	34,469	2,793,719	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	335,287	5,205,463	965,531	7,236,781	8,179,500		
Available TAC for International Sharing	0	64,713	2,294,537	34,469	2,393,719	18,785,500		
UNITED STATES (Washington) TAC								
Proportionally Distributed TAC **	16.5%	0	10,680	378,600	5,690	394,970	25.7%	4,827,870
U.S. Payback **	-0.1%	0	-60	-2,290	-30	-2,390		0
Proportionally Distributed TAC + Payback	0	10,620	376,310	5,660	392,590			4,827,870
Treaty Tribes Share **	67.7%	0	7,170	254,020	3,820	265,010	50.0%	2,413,935
All Citizen Share	32.3%	0	3,450	122,290	1,840	127,580	50.0%	2,413,935
CANADA TAC								
Aboriginal Fishery Exemption (AFE)	0	23,887	376,113	0	400,000			0
Canadian TAC + AFE	0	77,980	2,294,340	28,809	2,401,129			13,957,630
CATCH-TO-DATE								
Test	5,320	2,150	17,400	1,120	25,990			1,100
Treaty Tribes (Wash.) / Ceremonial (TRB)	0	1,440	61,630	7,940	71,000			71,860
All Citizen (Wash.)	0	1,210	20,330	2,030	23,570			20,830
Other (Wash.)***	0	0	0	0	0			0
Washington	0	2,650	81,960	9,970	94,570			92,680
First Nations Catch (including AFE)	2,700	26,660	364,290	36,090	429,750			19,880
Planned Charter & Recreational Shares	60	30	230	13	326			760
Other***	3,320	1,690	8,380	20	13,400			0
Total Commercial (including FN EO/Demo****)	210	3,950	95,270	19,030	118,460			18,920
Canada	6,290	32,330	468,170	55,150	561,930			39,560
Total Catch in All Fisheries	11,610	37,130	567,530	66,240	682,490			133,350
Exploitation Rate (catch-to-date / run size)	1.6%	9.3%	7.6%	6.6%	7.1%			0.5%
Fisheries induced mortalities (Canada, U.S. & TF)	59	1,034	21,820	3,308	26,221			
Exploit. Rate with fishery-induced mortality included	1.6%	9.5%	7.9%	7.0%	7.4%			
CATCH REMAINING (BALANCE)								
Washington	0	7,970	294,350	-4,310	298,020			4,735,190
Canada	-6,290	45,650	1,826,170	-26,341	1,839,189			13,918,070
Balance Remaining [below share / -above share]	-6,290	53,620	2,120,520	-30,651	2,137,199			18,653,260

* 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 P5 Blinkhorn (-1 day)	A20 P5 Port Renfrew (0 days)	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)
29-Jul	7,240	791	157	14	1.27	48	35,144	RB + LB	68,400	A1+M2+A2	No Count
30-Jul	7,847	494	241	11	1.05	74	50,854	RB + LB	70,100	A1+M2+A2	5,810
31-Jul	15,310	1,592	218	8	0.75	83	62,386	RB + LB	78,400	A1+M2+A2	6,430
1-Aug	2,384	3,000	244	53	4.16	79	62,707	RB + LB	75,700	A1+M2+A2	No Count
2-Aug	5,140	1,214	435	78	6.25	64	58,059	RB + LB	65,100	A1+M2+A2	53,570
3-Aug	4519 (5 sets)	973	490	96	7.57	68	53,426	RB + LB	75,200	A1+M2+A2	60,260
4-Aug	2,530	961	289	214	17.12	100	72,384	RB + LB	132,500	A1+M2+A2	34,070
5-Aug	1 (2 sets)	1,377	147	210	16.80	54	55,497	RB + LB	148,700	A1+M2+A2	No Count
6-Aug	913	1,080	137	210	16.80	120	122,031	RB + LB	129,600	A1+M2+A2	No Count
7-Aug	1,312	5,420	167	397	31.76	165	134,398	RB + LB	225,600	A1+M2+A2	109,740
8-Aug	2,265	6,422	316	209	16.72	105	104,085	RB + LB	111,300	A1+M2+A2	78,090
9-Aug	8,274	8,195	106	114	9.12	116	113,425	RB + LB	102,200	A1+M2+A2	No Count
10-Aug	4782 (4 sets)	15,810	210	127	10.16	74	71,850	RB + LB	99,100	A1+M2+A2	45,300
11-Aug	8,176	15060 (5 sets)	212	200	16.00	54	90,783	RB + LB	97,900	A1+M2+A2	No Count
12-Aug	26101 (5 sets)	12,916	150	190	15.20	97	89,630	RB + LB	159,900	A1+M2+A2	57,160
13-Aug	23450 (5 sets)	982	346	112	8.77	134	128,409	RB + LB	215,800	A1+M2+A2	75,780
14-Aug	11960 (5 sets)	15,140	354	64	4.56	115	111,143	RB + LB	370,600	A1+M2+A2	67,740
15-Aug	DNF	9675 (5 sets)	875	209	16.48	181	97,498	RB + LB	402,700	A1+M2+A2	63,800
16-Aug	1,690	650 (2 sets)	476	189	15.12	178	260,064	RB + LB	554,800	A1+M2+A2	No Count
17-Aug	8241 (4 sets)	611	612	135	10.80	180	290,564	RB + LB	598,700	A1+M2+A2	82,470
18-Aug	8199 (4 sets)	173	190	216	17.28	198			291,800	A1+M2+A2	76,020
19-Aug											
20-Aug											

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

² Qualark source:

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

³ Mission escapement estimate - does not include Pitt

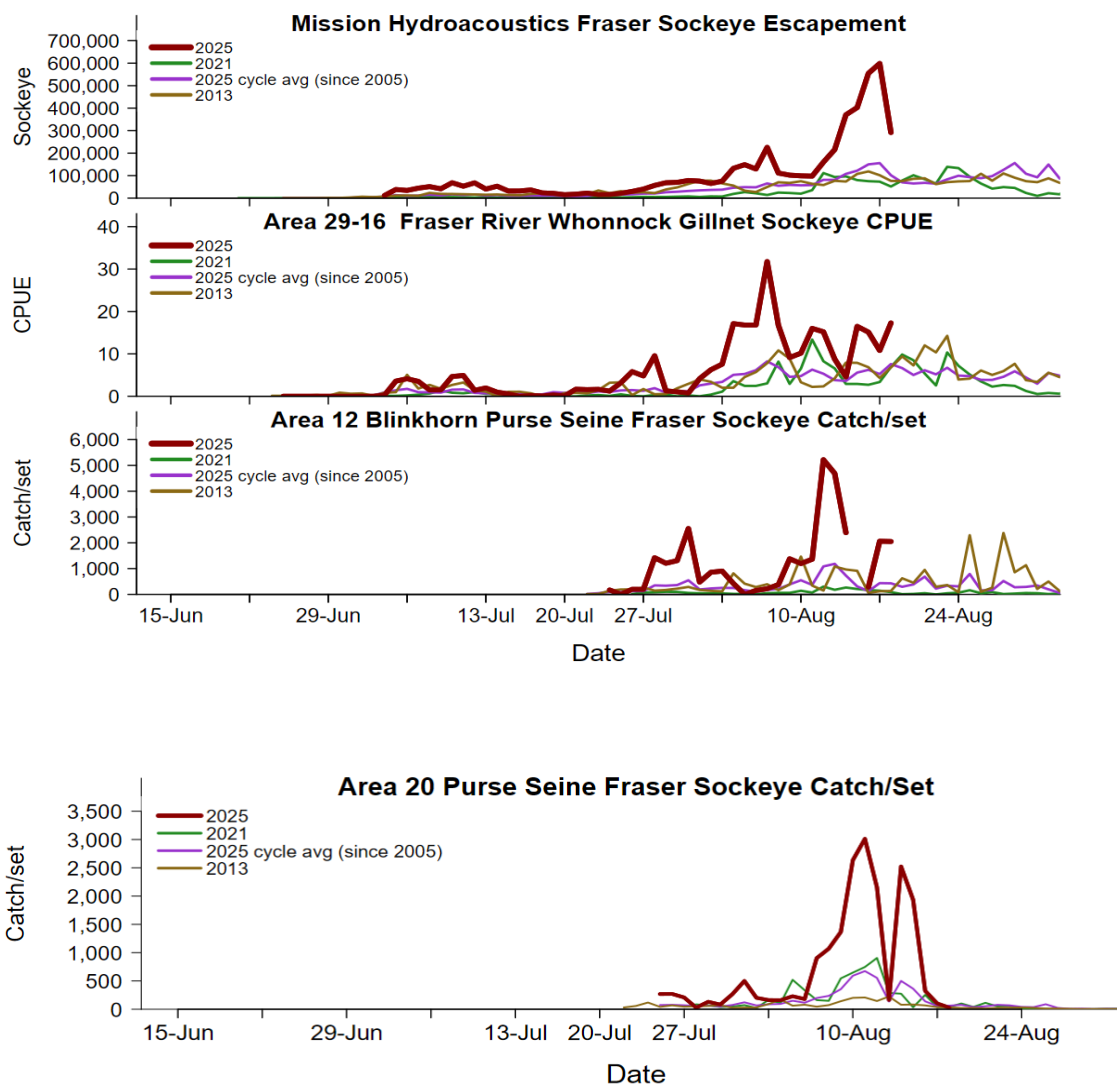
⁴ Mission Source:

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

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

DNF = Did not fish

5a_Test Fishing & Escapement Summary_Sockeye



2025 Fraser Pink Test Fishing & Escapement Summary

Area/Gear Location From A20	Johnstone Strait	Juan de Fuca Strait	Fraser River								
	A12 PS Blinkhorn (- 2 days)	A20 PS Port Renfrew (0 days)	A29-17 GN Brownsville Bar	A29-16 GN Whonnock	Whon CPUE Estimate	GN Catch	Qualark Estimate	Method ²	Mission Hydroacoustics Estimate	Method ³	Hell's Gate Estimates ⁴
29-Jul	6,224	313	0	0	0.00	0	0	RB + LB	0		No Count
30-Jul	7,502	145	0	0	0.00	0	0	RB + LB	0		1,620
31-Jul	11,911	5,774	0	0	0.00	0	0	RB + LB	0		20,030
1-Aug	6,384	8,265	0	0	0.00	0	0	RB + LB	0		No Count
2-Aug	5,130	10,680	0	0	0.00	0	0	RB + LB	0		0
3-Aug	3642 (5 sets)	12,115	2	0	0.00	0	0	RB + LB	2,110	BB-CPUE-Avg	0
4-Aug	3,201	4,681	0	1	0.08	0	0	RB + LB	2,110	BB-CPUE-Avg	0
5-Aug	173 (2 sets)	10,427	1	0	0.00	0	0	RB + LB	3,170	BB-CPUE-Avg	No Count
6-Aug	3,260	2,956	0	0	0.00	0	0	RB + LB	1,060	BB-CPUE-Avg	No Count
7-Aug	6,712	25,344	1	0	0.00	0	0	RB + LB	2,110	BB-CPUE-Avg	0
8-Aug	8,620	21,315	0	0	0.00	0	0	RB + LB	1,060	BB-CPUE-Avg	0
9-Aug	9,400	6,655	0	0	0.00	0	0	RB + LB	1,060	BB-CPUE-Avg	No Count
10-Aug	1490 (4 sets)	17,420	0	1	0.08	0	0	RB + LB	2,860	W	0
11-Aug	995	18100 (5 sets)	1	2	0.16	0	0	RB + LB	1,060	BB-CPUE-Avg	No Count
12-Aug	5742 (5 sets)	4,860	0	6	0.48	0	0	RB + LB	17,180	W	0
13-Aug	1863 (5 sets)	7,500	3	0	0.00	0	0	RB + LB	4,220	BB-CPUE-Avg	0
14-Aug	1930 (5 sets)	38,830	5	3	0.21	0	0	RB + LB	8,450	BB-CPUE-Avg	0
15-Aug	DNF	14300 (5 sets)	15	5	0.39	0	0	RB + LB	24,280	BB-CPUE-Avg	0
16-Aug	1,171	1600 (2 sets)	22	9	0.72	1	1461	RB + LB	44,340	BB-CPUE-Avg	No Count
17-Aug	1650 (4 sets)	5,730	53	4	0.32	6	9685	RB + LB	95,010	BB-CPUE-Avg	50
18-Aug	2530 (4 sets)	2,080	17	12	0.96	8			97,120	BB-CPUE-Avg	60
19-Aug											
20-Aug											

¹ Area 7 Reefnet test fishery is for observation of fish presence and species composition. No fish are retained. Vessels are operating at two observation sites.

² Qualark source:

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

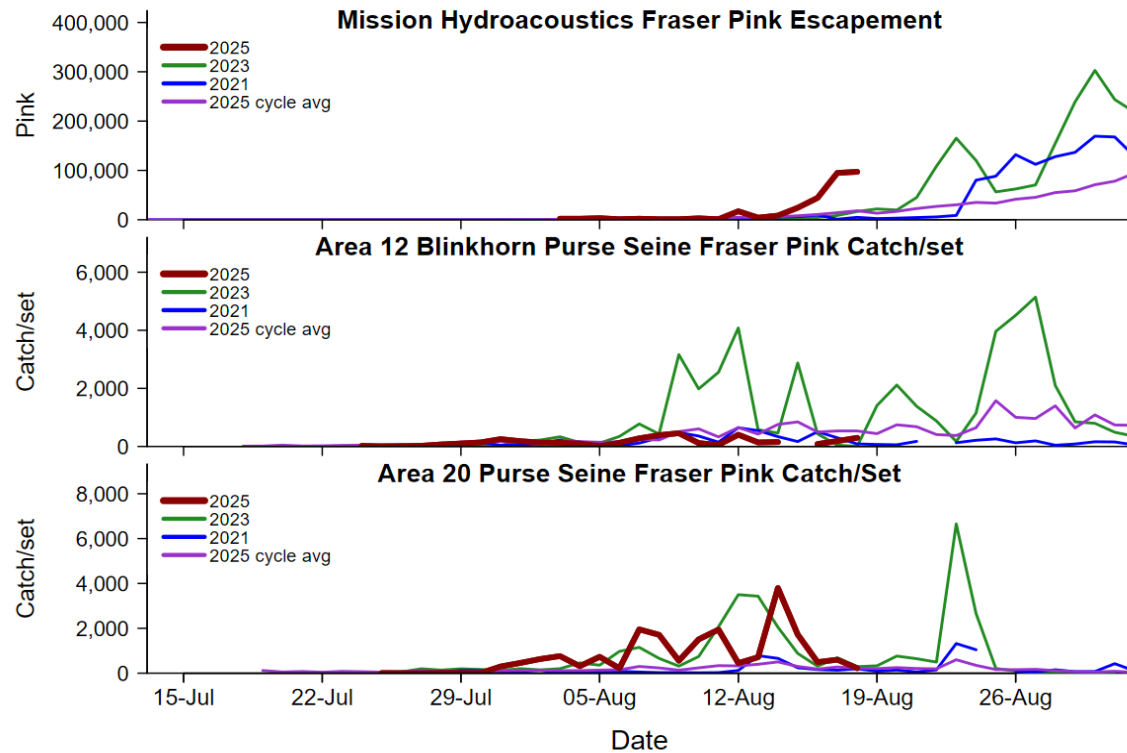
³ Mission source:

BB-CPUE-Avg = 3-day Average Pink CPUE at Brownsville Bar x Expansion Line

W = Whonnock CPUE x Expansion Line

⁴ Daily Hells Gate abundance estimate; actual daily count has been expanded.

DNF = Did not fish



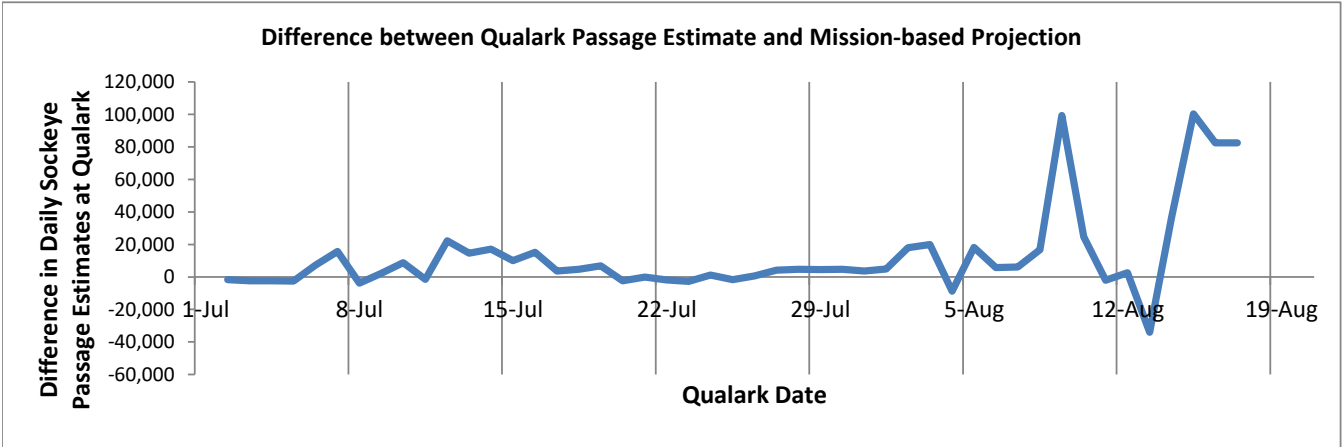
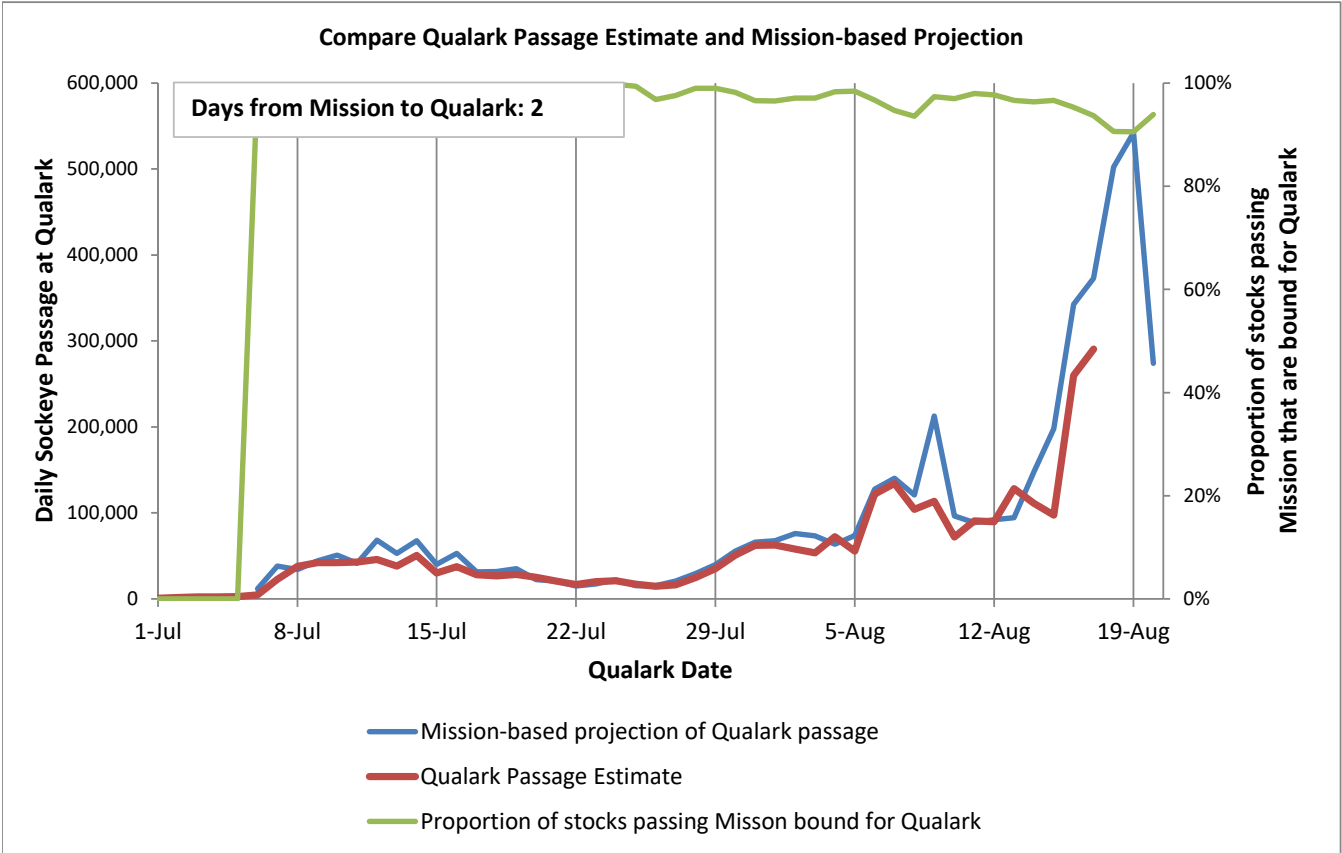
5b. Comparison of predictions from Mission to Qualark

Year: 2025

Date: 19-Aug-25

Time: 9:39 AM

	All Days	*Common Days
Mission projection	4,649,934	3,330,913
Qualark estimate	2,729,084	2,719,440
	Difference	611,473
	%Difference	18%



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 13	DNA	100	100%	0%					5%	5%	25%	58%	1%	84%	3%	3%	5%	11%	100%			
A12 ps	tf	Aug 16	DNA	100	99%	0%					2%	2%	32%	47%		79%	1%	5%	13%	19%	98%			
A12 ps		Aug 21	Prediction	1	100%	0%					1%	2%	3%	11%	59%	1%	71%	5%	7%	15%	26%	NA		
Juan de Fuca Strait & Washington																								
A7,7A gn	cm	Aug 15	DNA	67	100%	0%					3%	1%	5%	0%	13%	77%	91%	4%	0%		5%	NA		
A7 ps	cm	Aug 15	DNA	98	100%	0%						2%	2%	22%	63%		86%	7%	2%	3%	12%	NA		
A20 ps	tf	Aug 15	DNA	100	100%	0%							0%	20%	59%	7%	86%	9%		5%	14%	99%		
A20 ps	tf	Aug 17	DNA	99	99%	0%						1%	1%	21%	56%		77%	1%	5%	16%	22%	100%		
A20 ps		Aug 21	Prediction	1	99%	0%						1%	1%	12%	59%	4%	75%	5%	4%	16%	25%	NA		
In-river & Other																								
BB gn	tf	Aug 14	DNA	50	100%	0%						2%	2%	4%	29%	59%	1%	90%	6%		6%	NA		
BB gn	tf	Aug15-16	DNA	100	100%	0%						2%	2%	2%	24%	63%	3%	91%	6%		1%	7%	NA	
AB gn	tf	Aug16-17	DNA	100	100%	0%						1%	1%	2%	3%	25%	53%	5%	87%	7%	4%		11%	NA
A29a tr	cm	Aug16-17	DNA	37	100%	0%							5%	5%	1%	19%	29%		49%	14%	10%	22%	46%	NA

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	Aug10	DNA	95	42%	19%	39%
A12 PS	tf	Aug12	DNA	92	33%	28%	39%
A12		Aug21	Prediction	1	52%	23%	24%
Juan de Fuca Strait							
A20 PS	tf	Aug7	DNA	98	56%	26%	18%
A20 PS	tf	Aug12	DNA	100	62%	31%	7%
A20		Aug21	Prediction	1	68%	26%	6%
Washington							
A7/7A PS	cm	Aug10	DNA	100	58%	9%	33%
A7 PS	cm	Aug15	DNA	95	78%	13%	9%
A7		Aug21	Prediction	1	80%	11%	9%
A7A		Aug21	Prediction	1	81%	8%	11%

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

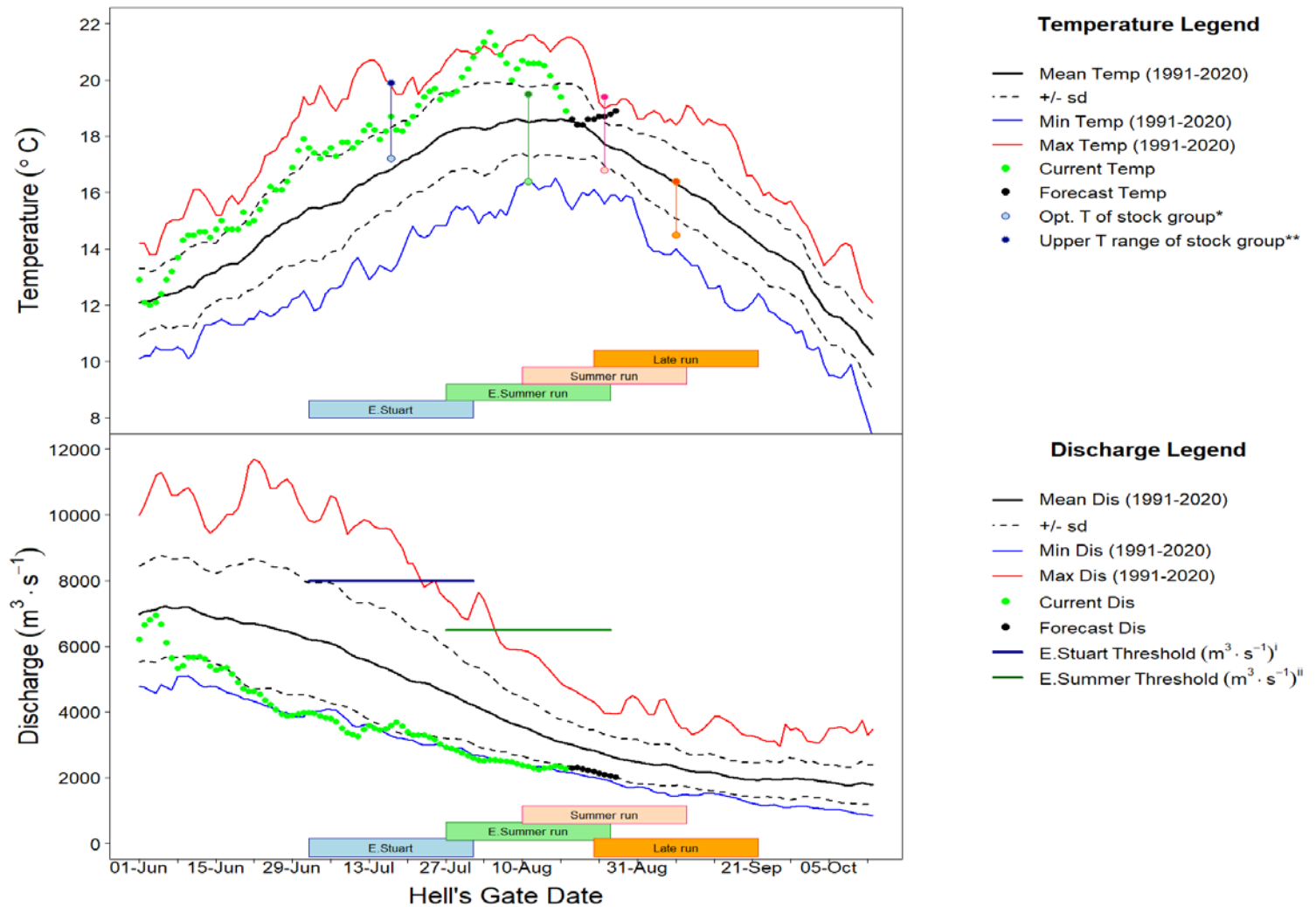
Results in grey text have been presented to the Panel previously

Sei. Environmental report

Fraser River Environmental Report for August 18, 2025

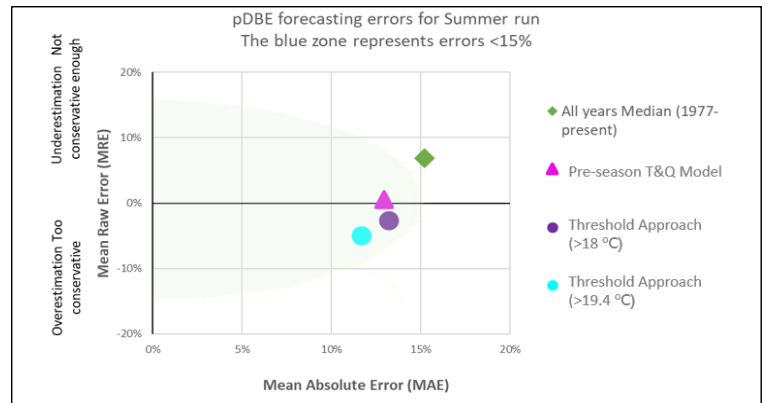
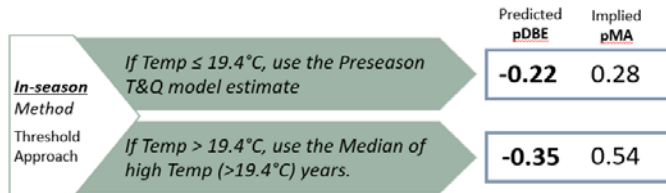
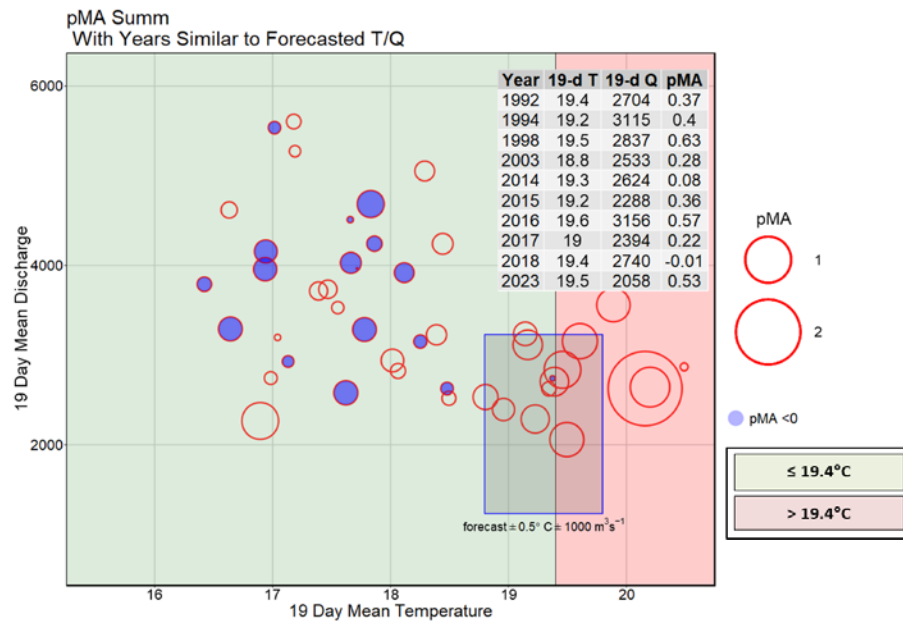
Observed Fraser River Temperature at Qualark for 18-Aug	18.9°C
Average (1991-2020) Historical Temperature on this day	18.6°C
Deviation from Average	0.3°C
Forecast Temperature for 24-Aug-25	18.7°C
The forecast in Kamloops and Prince George is for below average temperature until August 21 and then above average for the rest of the forecast period.	

Observed Fraser River Discharge at Hope for 18-Aug	2271 m ³ ·s ⁻¹
Average (1991-2020) Historical Discharge on this day	3047 m ³ ·s ⁻¹
% above or below Historical Discharge	-25%
Forecast Discharge for 24-Aug-25	2141 m ³ ·s ⁻¹
The forecast is for no precipitation in Kamloops and 5 mm in Prince George.	



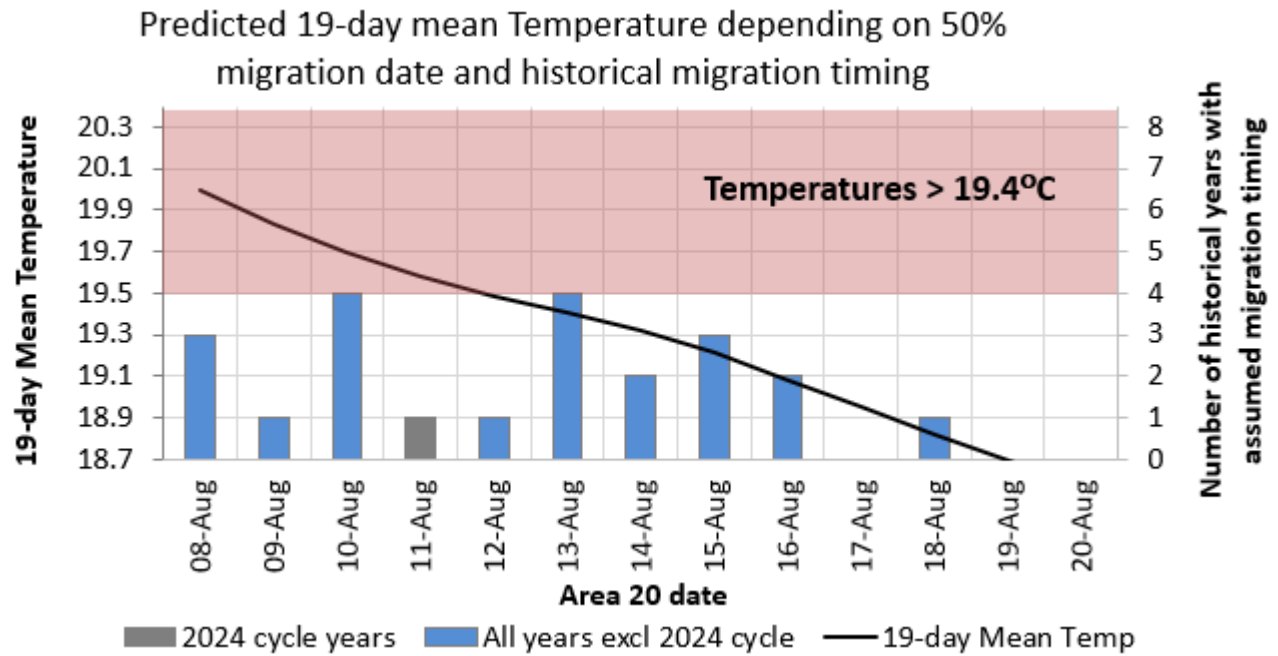
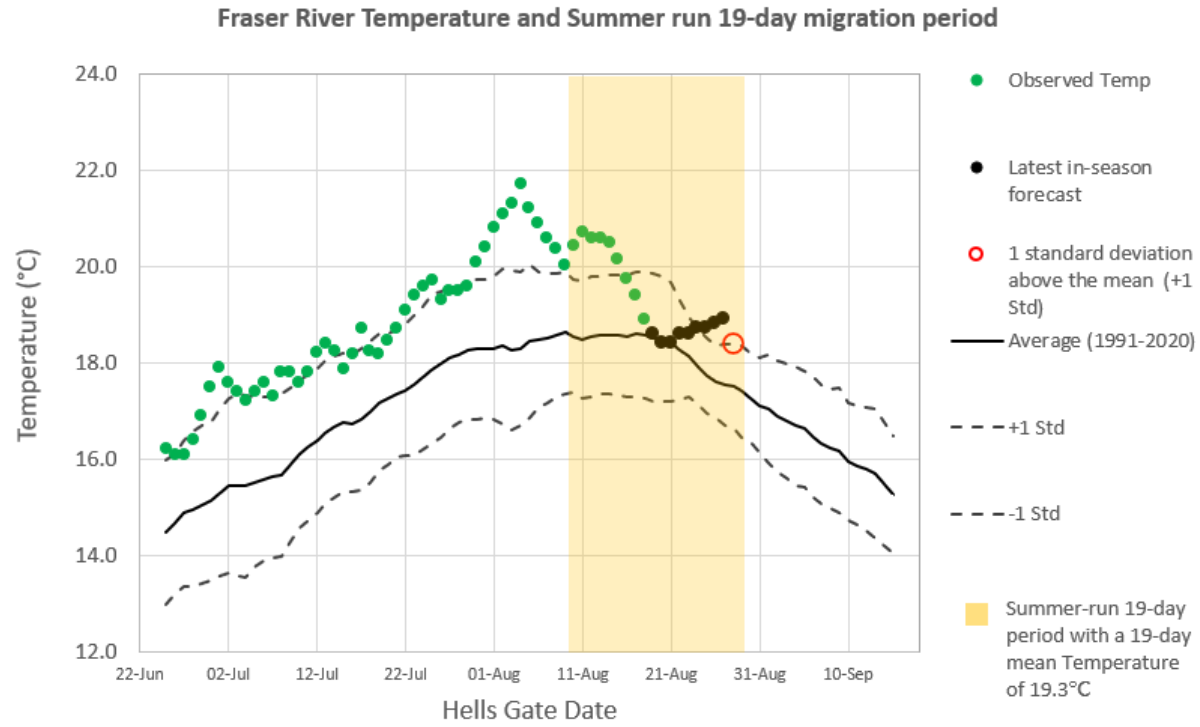
Run timing bars represent a 31 day spread of the run centered around the Hell's Gate date. Hell's gate timing is 5 days from Mission for Early Stuart and Late run; and 4 days from Mission for Early Summer and Summer run. ⁱpMA is the proportional increase to spawning escapement targets to help ensure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

Summer run pDBE Forecast and Sensitivity Analysis for August 19, 2025



Model Performance Based on the Retrospective of the "In-season pDBE Method"					Best if Temp $\leq 19.4^{\circ}\text{C}$		Best If Temp $> 19.4^{\circ}\text{C}$	
				Current Adopted	Pre-season T&Q Model	Median of high Temp ($>19.4^{\circ}\text{C}$) years	All-Years Median (1977-2024)	Current 19-day Model Predictions
Area	Hells Gate Date	Average Temperature $^{\circ}\text{C}$	Average Discharge m^3/s	pDBE	Predicted pDBE	Predicted pDBE	Predicted pDBE	Predicted pDBE
11-Aug	22-Aug	19.6	2305	-0.22	-0.22	-0.35	-0.08	-0.36
12-Aug	23-Aug	19.5	2281	-0.22	-0.22	-0.35	-0.08	-0.34
13-Aug	24-Aug	19.4	2257	-0.22	-0.22	-0.35	-0.08	-0.34
* 14-Aug	25-Aug	19.3	2232	-0.22	-0.22	-0.35	-0.08	-0.32
Implied pMA								
* 14-Aug	25-Aug	19.3	2232	0.28	0.28	0.54	0.09	0.47

*Currently adopted timing with 9 days of observed, 9 days of forecasted and 1 day of the +1 std Temp data.

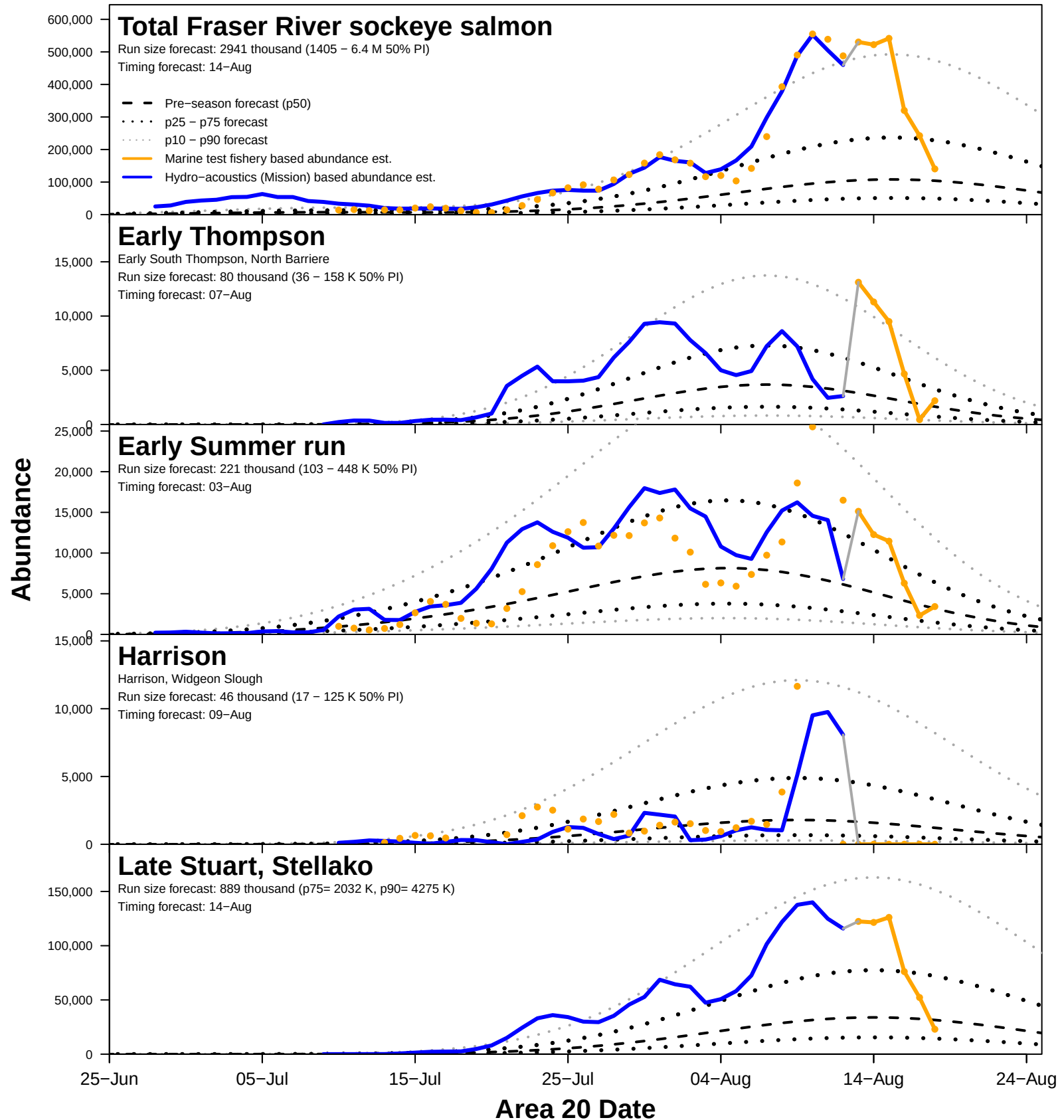


Seiii. Current temperatures in areas of the Fraser Watershed

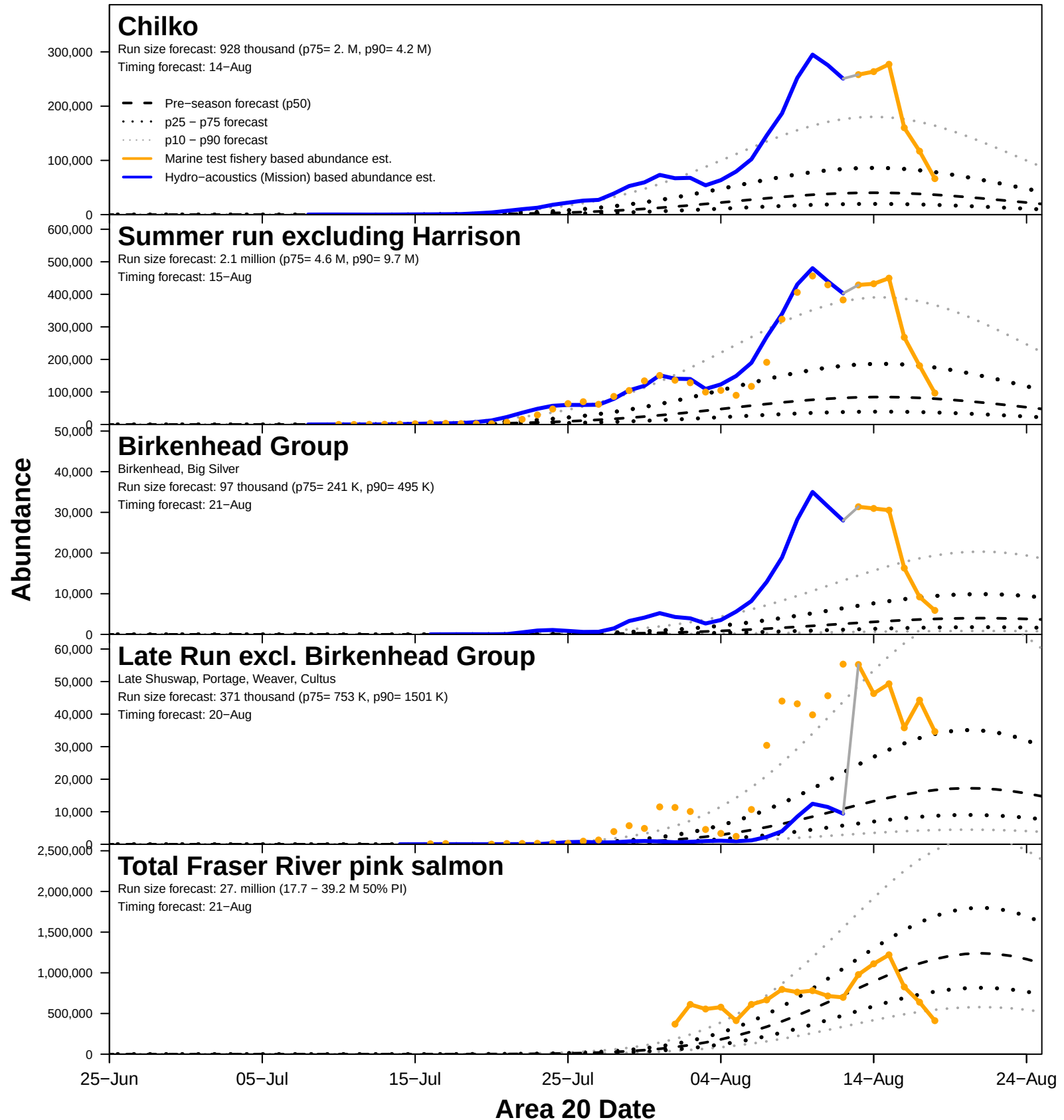
Current Temperatures					
Map #	17-Aug	Daily Mean	Historic Mean	Deviation from Historical Mean	Historic Year Range
<u>Fraser River Mainstem</u>					
1	Fraser River @ Qualark	19.4	18.6	0.8	1991-2020
2	Fraser River @ Texas Creek	na	18.3	na	2006-2024
3	Fraser River @ Marguerite	17.8	18.1	-0.3	2015-2024
4	Upper Fraser @ Shelley	na	15.4	na	1994-2024
<u>Fraser River Tributaries</u>					
5	Thompson R. @ Ashcroft	20.1	18.7	1.4	1995-2024
6	South Thompson @ Chase	20.8	19.7	1.1	1994-2024
7	North Thompson @ McLure	16.4	15.9	0.5	2006-2023
8	Quesnel R. @ Quesnel	18.3	17.5	0.8	2000-2024
9	Nechako R. @ Isle Pierre	17.8	19.0	-1.2	2006-2024
10	Stuart R. @ Ft. St. James	17.8	18.6	-0.8	2000-2024



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

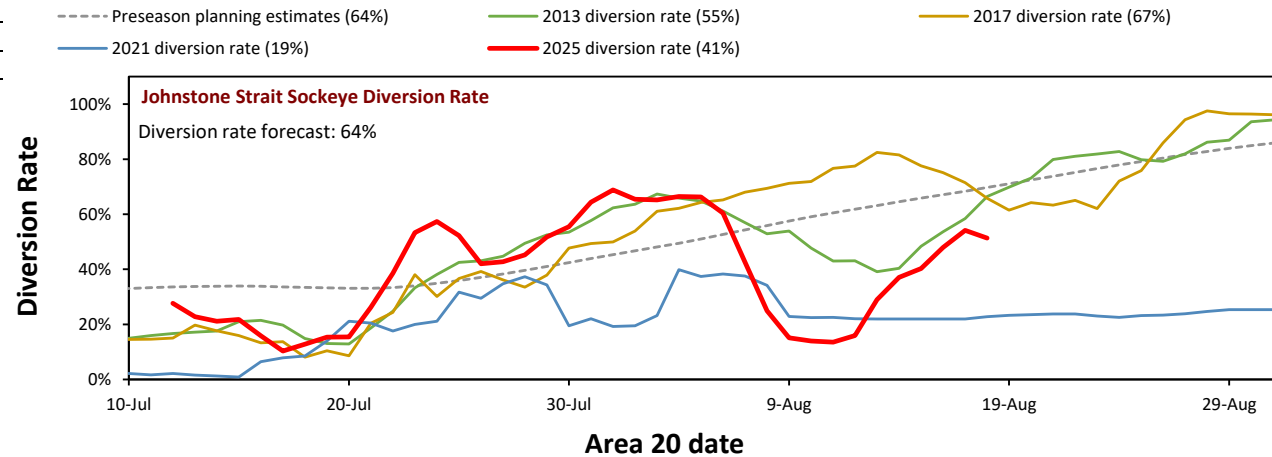
Current date: 19-Aug

	Escapement past Mission through 18-Aug	Projected abundance en route to Mission based on marine test fishery data ^{1,2}								Escapement + projections through 24-Aug	
Area 20 date		13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	Total	80% PI ³		
Mission date		19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug		10p	90p	
Total Fraser	4,973,200	369,900	669,500	424,900	414,400	37,800	230,300	2,146,800	1,303,700	3,121,700	7,120,000
Early Stuart	733,200	0	0	200	600	100	0	900	400	1,900	734,100
Early Summer Run	324,200	9,000	20,100	4,700	6,800	500	6,000	47,100	23,100	97,500	371,300
Chilliwack	4,300	0	0	0	0	0	0	0	0	0	4,300
Pitt/Alouette/Coquitlam	16,500	500	0	0	0	0	0	500	200	1,000	17,000
Nadina group ⁴	177,900	200	1,300	800	2,800	400	1,900	7,400	3,600	15,300	185,300
Early Thompson ⁵	125,500	8,300	18,800	3,900	4,000	100	4,100	39,200	19,200	81,100	164,700
Summer Run	3,702,100	292,000	562,300	359,500	333,100	28,800	154,200	1,729,900	1,055,200	2,491,100	5,432,000
Harrison / Widgeon ²	46,900	0	0	0	0	0	0	0	0	0	46,900
Late Stuart / Stellako	1,369,200	92,000	151,000	93,900	101,700	9,800	32,900	481,300	293,600	693,100	1,850,500
Chilko	1,988,900	168,700	352,000	220,300	203,400	17,500	109,200	1,071,100	653,400	1,542,400	3,060,000
Quesnel	222,400	27,900	33,700	23,100	19,400	1,500	10,900	116,500	71,100	167,800	338,900
Raft / North Thompson	74,700	3,400	25,600	22,200	8,600	0	1,200	61,000	37,200	87,800	135,700
Late Run	213,700	68,900	87,100	60,500	73,900	8,400	70,100	368,900	225,000	531,200	582,600
Birkenhead / Big Silver	176,400	16,500	42,100	31,400	15,100	400	11,000	116,500	71,100	167,800	292,900
Late Shuswap / Portage ²	27,300	28,400	8,700	5,000	15,500	2,200	18,200	78,000	47,600	112,300	105,300
Weaver / Cultus ²	10,000	24,000	36,300	24,100	43,300	5,800	40,900	174,400	106,400	251,100	184,400

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

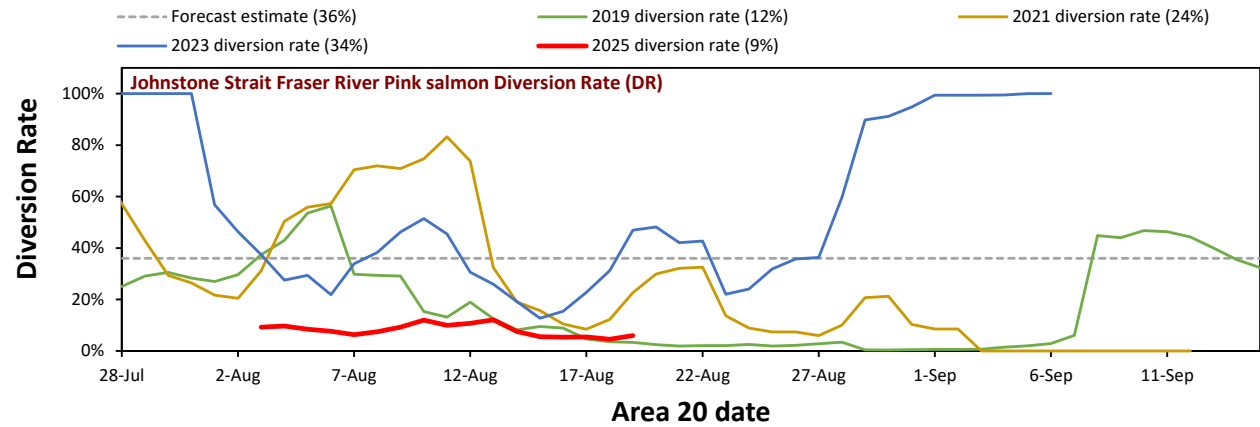
6c. 2025 Fraser River sockeye diversion rates through Johnstone Strait

	5-day-average
Diversion rate	51%



2025 Fraser River Pink salmon diversion rates through Johnstone Strait

	5-day-average
Fraser pink salmon	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	9,625,000	2,941,000	▲ 10,196,000	6,479,000	15,570,000	Sum	5,544,000	1,002,000	3,343,000	306,000		14-Aug				
Early Stuart Run	725,000	116,000	✓ 738,000	738,000	738,000	Recon	737,000	1,000	0	0	06-Jul	08-Jul	06-Jul	06-Jul	06-Jul	50% Date
Early Summer Run	400,000	221,000	● 403,000	375,000	428,000	Sum	352,000	33,000	17,000	0	01-Aug	03-Aug	01-Aug	01-Aug	02-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	50% Date
Nadina Group ⁴		80,000	● 211,000	199,000	221,000	Recon(2)	189,000	15,000	7,000	0		31-Jul	31-Jul	30-Jul	01-Aug	50% Date
Pitt/Alouette/Coquitlam		46,000	● 22,000	20,000	25,000	Recon(2)	18,000	3,000	1,000	0		04-Aug	05-Aug	31-Jul	05-Aug	50% Date
Early Thompson ⁵		80,000	● 166,000	152,000	178,000	Recon(2)	141,000	15,000	9,000	0		07-Aug	02-Aug	03-Aug	07-Aug	50% Date
Summer Run	7,500,000	2,136,000	▲ 7,758,000	4,724,000	11,245,000	Sum (Model)	4,177,000	637,000	2,933,000	11,000	14-Aug	15-Aug	13-Aug	10-Aug	17-Aug	Weight
Harrison / Widgeon		46,000	▲ 85,000	83,000	100,000	Marine N	51,000	8,000	15,000	11,000		09-Aug	09-Aug	02-Aug	10-Aug	Marine N
Late Stuart / Stellako		889,000	▲ 2,984,000	1,980,000	3,784,000	Recon(2)	1,553,000	606,000	825,000	0		14-Aug	12-Aug	10-Aug	16-Aug	50% Date
Chilko		928,000	▲ 4,078,000	2,282,000	6,403,000	Model	2,239,000	1,071,000	768,000	0		14-Aug	14-Aug	11-Aug	17-Aug	Model
Quesnel		260,000	▲ 499,000	323,000	655,000	Recon(2)	251,000	113,000	135,000	0		18-Aug	13-Aug	10-Aug	16-Aug	50% Date
Raft / North Thompson		14,000	● 112,000	82,000	303,000	Model	82,000	23,000	7,000	0		23-Aug	19-Aug	15-Aug	23-Aug	Model
Late Run	1,000,000	468,000	◇ 1,297,000	642,000	3,159,000	Sum	278,000	331,000	393,000	295,000	20-Aug	20-Aug	19-Aug	15-Aug	23-Aug	Weight
Birkenhead Group		97,000	◇ 400,000	203,000	859,000	Model	201,000	118,000	81,000	0		21-Aug	18-Aug	14-Aug	22-Aug	Model
L.Shuswap / Weaver Gr.		371,000	◇ 897,000	439,000	2,300,000	Model	77,000	213,000	312,000	295,000		20-Aug	19-Aug	15-Aug	23-Aug	Model

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

Model

Recon

Recon(2)

50% Date

Sum

Weight

Marine N

Run size assessment model (median)

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

Catch + escapement + model projections

Double the reconstructed abundance observed at the assumed 50% date

Sum of individual groups

Weighted average of individual groups

Reconstruction of CPUE-based marine abundances

Run Size Uncertainty Legend[†]

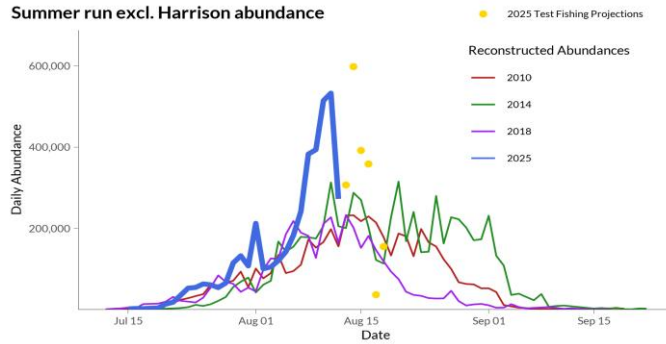
- ✓ ≥ 95% of the run size has been accounted for in catch + escapement. The CV associated with the run size is < 5%. Clear indication of run size; minor run size updates still expected
- ≥ 70% of the run size has been accounted for in catch + escapement. The CV associated with the run size is < 20%. Good indication of run size; peak to 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 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 run excl. Harrison abundance



Year	Early Stuart	Early Summer	Summer	Late	Total Sockeye	Pinks
2018	94,000	1,918,000	4,546,000	4,475,000	11,033,000	-
2014	127,000	1,773,000	8,475,000	8,520,000	18,895,000	-
2010	105,000	2,899,000	7,117,000	18,084,000	28,205,000	-

6e. Pink Salmon Run Size Weight of Evidence

Default Run Size Method: PreSeason Forecast

19-08-2025

<10M	10-15M	15-20M	>20M
	☐	☒	☒

☒ Default run size estimate = PreSeason Forecast

☐ Pre-season alternative run size estimate

☒ In-season alternative run size estimate

Models		Description	Category	In-season model?
PreSeason Forecast	☒	Power (fry)	>20M	no
Time Density Model	☒	Bayesian fit to CPUE*EL data	15-20M	yes
SST Regression	☐	June SST (ocean entry yr) at Pine Island	10-15M	no

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	Recommendation	7,500,000	7,750,000	14-Aug	13-Aug
Late Run	Recommendation	1,000,000	1,300,000	20-Aug	19-Aug
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	No recommendation	-0.22	0.28	NA	NA
Late Run	Recommendation	-0.48	0.92	-0.56	NA



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

FRP meeting: Friday, August 22, 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: ?	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 Acknowledgments

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