



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

FRP meeting: Friday, August 29, 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 and pink marine abundances		
☒	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: Purse seine end dates, Weekly report	5 min	Panel
☒	11) Next FRP meeting and agenda	2 min	PSC staff/Panel
	12) Next TC meeting:		PSC staff
☒	13) Data acknowledgements		

Legend: ☒ Content included in the distribution

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

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

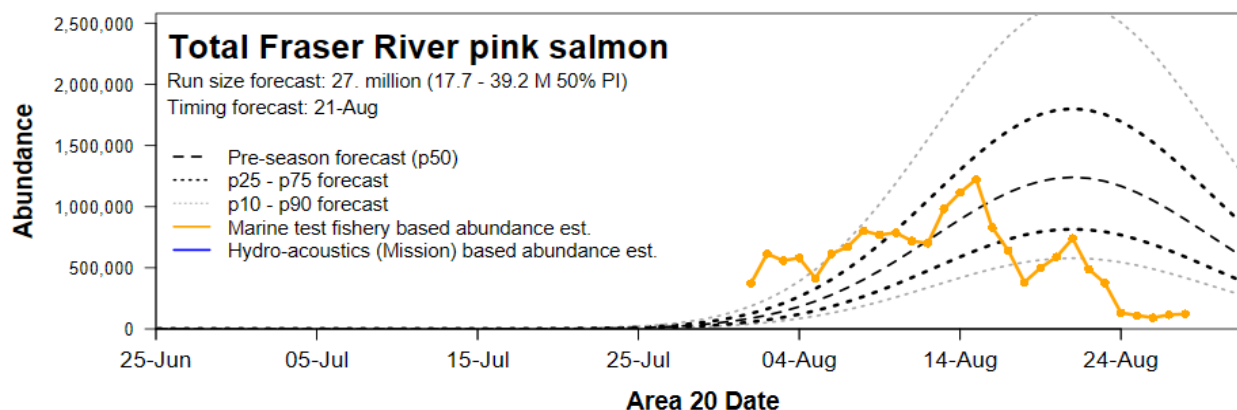
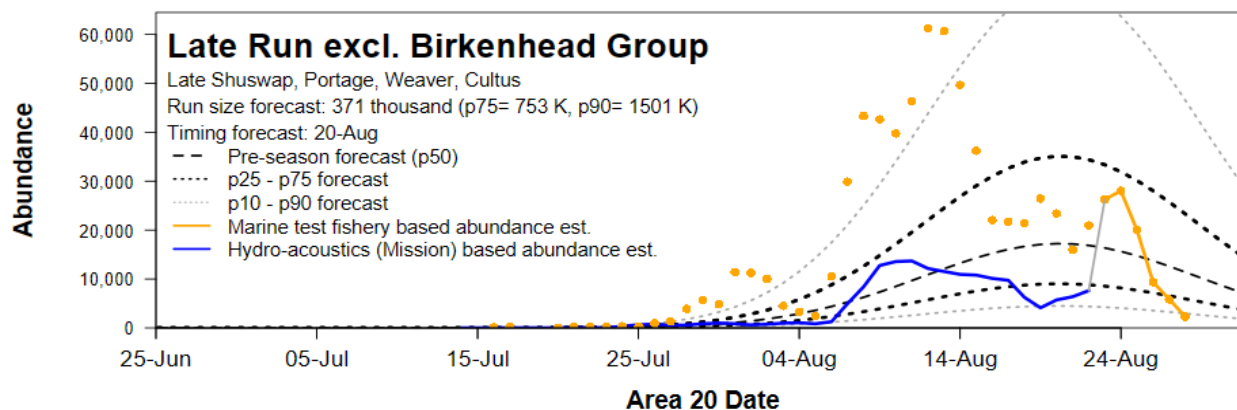
2025 Run status of Fraser sockeye and pink salmon

Date: Aug. 29, 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. 24 - Aug. 30, 2025	Sockeye				Pink	
	Management Group				Total Fraser	Total Fraser
	E.Stuart	E.Summer	Summer	Late		
Mission passage (inclds Pitt, Alouette, Coquitlam)	731,900	373,200	5,855,500	491,000	7,451,600	4,524,700
Catch downstream of Mission	3,900	34,700	748,400	111,600	898,600	892,800
Accounted Run To Date	735,800	407,900	6,603,900	602,600	8,350,200	5,417,500
Run size adopted in-season ¹	725,000	400,000	6,900,000	1,050,000	9,075,000	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	15-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					In-season 5-day average	87%
					Preseason forecast of annual rate:	64%
						46%
						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. 29, 2025

Week of: Aug. 24 - Aug. 30, 2025		Sockeye		Pink	
		Total	Fraser	Total	Fraser
Canada		791,834	785,044	177,644	73,388
	Commercial	160,098	159,380	59,191	28,635
	B Purse Seine	96,850	96,253	46,510	18,928
	D Gillnet	24,132	24,033	3,547	1,515
	E Gillnet	35,137	35,137	6,447	6,447
	H Troll	3,979	3,957	2,687	1,746
	First Nations	617,556	611,485	106,924	43,755
	Food, Social & Ceremonial (FSC)	552,346	546,275	85,152	21,983
	Marine	238,950	233,073	84,339	21,170
	Fraser R.	313,396	313,201	813	813
	Economic Opportunity (EO) & Demonstration (Demo)	65,210	65,210	21,772	21,772
	Single Stock FSC (SS FSC)	0	0	0	0
	Recreational	0	0	11,301	770
	Charter (Albion & A12 Chum test fishery)	703	703	228	228
	Other****	13,477	13,477	0	0
United States		303,083	302,930	1,078,440	825,707
	Commercial	297,248	297,117	1,078,440	825,707
	Treaty Tribes (TRB)	217,950	217,942	752,441	572,456
	All Citizen (AC)	79,298	79,175	325,999	253,251
	Treaty Tribes Ceremonial & Subsistence (C&S)	5,835	5,813	0	0
	All Citizen Recreational	0	0	0	0
	Other****	0	0	0	0
	Alaska *	na	na	na	na
Panel-approved Test Fisheries		32,387	31,623	15,669	10,210
	Panel Waters	23,230	22,962	13,900	9,702
	Canada	22,486	22,232	13,088	9,375
	U.S.	744	730	812	327
	Non-Panel Waters**	9,157	8,661	1,769	508
Total		1,127,304	1,119,597	1,271,753	909,304
Catch Seaward of Mission ***		906,285	898,578	1,255,213	892,765
Catch Upstream of Mission		221,019	221,019	16,540	16,540

* 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. 29, 2025

Week of: Aug. 24 - Aug. 30, 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
	D Gillnet	0	0	0	0
	E Gillnet	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		3,944	3,939	994	992
	Commercial	3,944	3,939	994	992
	Treaty Tribes (TRB)	0	0	0	0
	All Citizen (AC)	3,944	3,939	994	992
	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		289,023	277,144	28418	27,736
	Panel Waters	289,022	277,143	28418	27,736
	Canada	283,694	277,143	28391	27,736
	U.S.	5,328	0	27	0
	Non-Panel Waters	1	1	1	1
Total		295,388	283,495	29507	28,823
	Catch Seaward of Mission ***	293,328	281,435	29451	28,767
	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	6,900,000	1,050,000	9,075,000	12,500,000		
Adult Spawning Escapement Target (SET)	580,000	200,000	3,450,000	525,000	4,755,000	6,000,000		
%SET from TAM rules	80%	50%	50%	50%		48%		
Management Adjustment (MA)	1,078,800	108,000	1,863,000	666,750	3,716,550	0		
Proportional MA (pMA)	1.86	0.54	0.54	1.27		0.00		
Adjusted Spawning Escapement Target (SET) *	725,000	308,000	5,313,000	1,050,000	7,396,000	6,000,000		
Test Fishing (TF)	5,500	3,400	29,350	5,531	43,781	90,000		
Surplus above Adjusted SET & Test fishing	0	88,600	1,557,650	0	1,646,250	6,410,000		
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)	730,500	335,287	5,718,463	1,055,531	7,839,781	6,090,000		
Available TAC for International Sharing	0	64,713	1,181,537	0	1,246,250	6,410,000		
UNITED STATES (Washington) TAC								
Proportionally Distributed TAC **	16.5%	0	10,680	194,950	0	205,630	25.7%	1,647,370
U.S. Payback **	-0.2%	0	-120	-2,270	0	-2,390		0
Proportionally Distributed TAC + Payback	0	10,560	192,680	0	203,240			1,647,370
Treaty Tribes Share **	67.7%	0	7,110	129,710	0	136,820	50.0%	823,685
All Citizen Share	32.3%	0	3,450	62,970	0	66,420	50.0%	823,685
CANADA TAC								
Aboriginal Fishery Exemption (AFE)	0	23,887	376,113	0	400,000			0
Canadian TAC + AFE	0	78,040	1,364,970	0	1,443,010			4,762,630
CATCH-TO-DATE								
Test	5,310	2,240	22,170	1,890	31,620			10,210
Treaty Tribes (Wash.) / Ceremonial (TRB)	0	5,040	186,040	32,680	223,760			572,460
All Citizen (Wash.)	0	2,310	65,220	11,650	79,180			253,250
Other (Wash.)***	0	0	0	0	0			0
Washington	0	7,350	251,260	44,330	302,930			825,710
First Nations Catch (including AFE)	2,730	32,510	466,240	44,800	546,270			21,980
Planned Charter & Recreational Shares	60	30	560	57	703			1,000
Other***	3,390	1,690	8,380	20	13,480			0
Total Commercial (including FN EO/Demo****)	0	6,810	192,180	25,610	224,590			50,410
Canada	6,180	41,040	667,360	70,490	785,040			73,390
Total Catch in All Fisheries	11,490	50,630	940,790	116,710	1,119,600			909,300
Exploitation Rate (catch-to-date / run size)	1.6%	12.7%	13.6%	11.1%	12.3%			7.3%
Fisheries induced mortalities (Canada, U.S. & TF)	57	1,011	23,991	3,764	28,823			
Exploit. Rate with fishery-induced mortality included	1.6%	12.9%	14.0%	11.5%	12.7%			
CATCH REMAINING (BALANCE)								
Washington	0	3,210	-58,580	-44,330	-99,690			821,660
Canada	-6,180	37,000	697,610	-70,490	657,940			4,689,240
Balance Remaining [below share / -above share]	-6,180	40,210	639,030	-114,820	558,240			5,510,900

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

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

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

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

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

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

5a_Test Fishing & Escapement Summary_Sockeye

2025 Fraser Sockeye Test Fishing & Escapement Summary

	Johnstone Strait	Juan de Fuca Strait	Fraser River								
Area/Gear Location From A20	A12 PS Blinkhorn (-1 day)	A20 PS 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)
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	219,600	A1+M2+A2	75,780
14-Aug	11960 (5 sets)	15,140	354	64	4.56	115	111,143	RB + LB	377,400	A1+M2+A2	67,740
15-Aug	DNF	9675 (5 sets)	875	209	16.48	181	97,498	RB + LB	405,400	A1+M2+A2	63,800
16-Aug	1,690	650 (2 sets)	476	189	15.12	178	260,064	RB + LB	560,400	A1+M2+A2	No Count
17-Aug	8241 (4 sets)	611	612	135	10.80	180	290,564	RB + LB	603,000	A1+M2+A2	82,470
18-Aug	8199 (4 sets)	173	190	216	17.28	198	367,421	RB + LB	297,600	A1+M2+A2	76,020
19-Aug	3,259	433	DNF	56	4.52	180	428,159	RB + LB	224,900	A1+M2+A2	No Count
20-Aug	2,298	1,320	DNF	178	14.24	173	251,950	RB + LB	167,000	A1+M2+A2	112,950
21-Aug	388	509 (5 sets)	174	99	7.92	146	156,004	RB + LB	219,300	A1+M2+A2	No Count
22-Aug	3230 (4 sets)	404	237	189	15.12	117	82,227	RB + LB	363,400	A1+M2+A2	63,940
23-Aug	4,120	223 (4 sets)	76	188	15.04	75	101,845	RB + LB	383,200	A1+M2+A2	23,370
24-Aug	970	191	103	144	11.52	113	205,338	RB + LB	360,900	A1+M2+A2	51,780
25-Aug	1,265	147	167	310	24.80	124	236,251	RB + LB	220,400	A1+M2+A2	No Count
26-Aug	162	31 (5 sets)	85	104	8.32	119	273,686	RB + LB	246,300	A1+M2+A2	72,410
27-Aug	103	21 (3 sets)	102	43	3.36	94			202,000	A1+M2+A2	No Count
28-Aug	204	8	125	16	1.25	103			61,900	CPUE-Wh-Avg	59,410
29-Aug											
30-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)

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

³ Mission escapement estimate - does not include Pitt

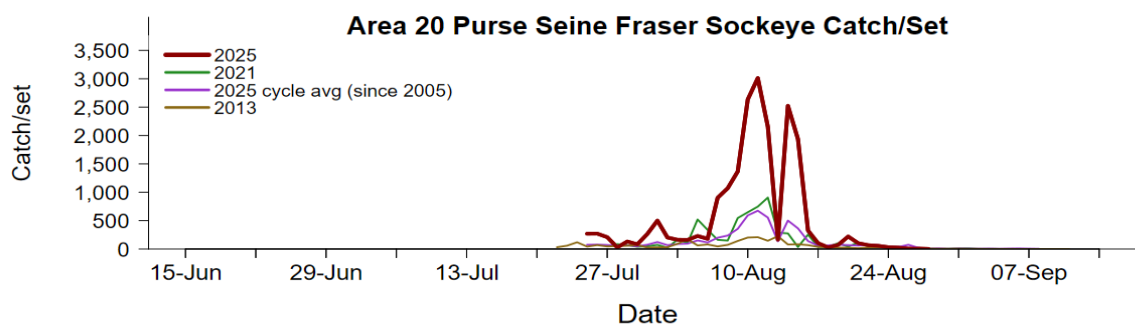
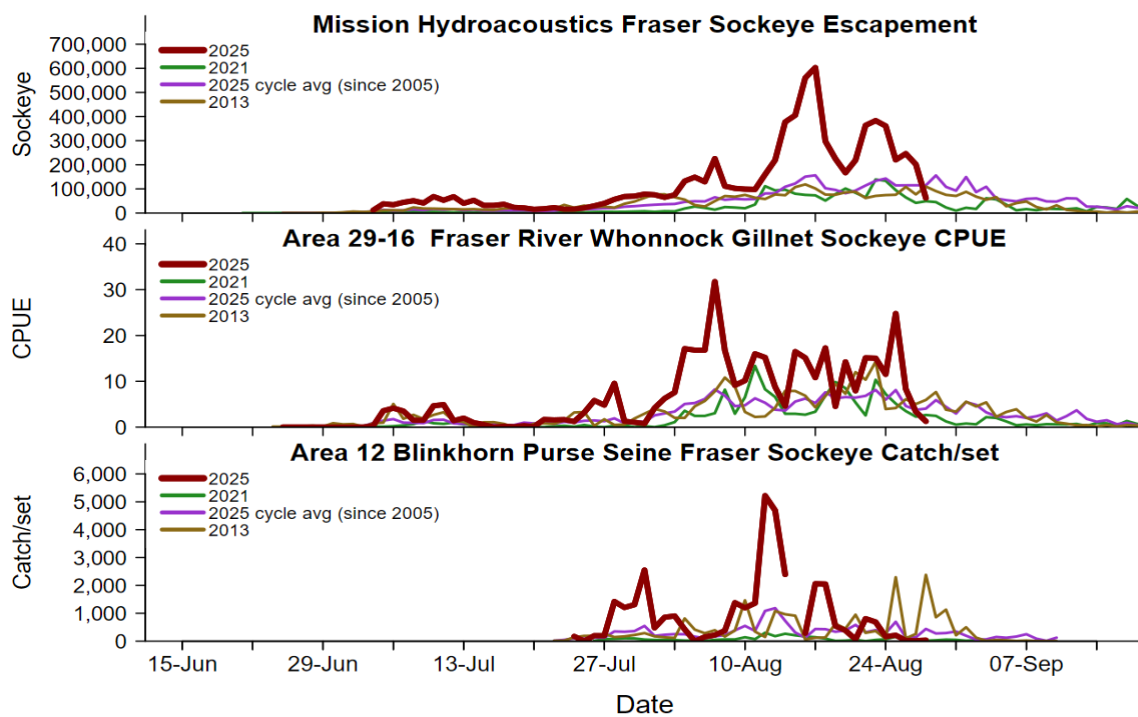
⁴ Mission source:

A1+S1+M+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



5a_Test Fishing & Escapement Summary_Pinks

2025 Fraser Pink Test Fishing & Escapement Summary

Area/Gear Location From A20	Johnstone Strait	Juan de Fuca Strait	Fraser River								Hell's Gate Estimates ³
	A12 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 ¹	Mission Hydroacoustics Estimate	Method ²	
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	1,461	RB + LB	44,340	BB-CPUE-Avg	No Count
17-Aug	1650 (4 sets)	5,730	53	4	0.32	6	9,685	RB + LB	95,010	BB-CPUE-Avg	50
18-Aug	2530 (4 sets)	2,080	17	12	0.96	8	14,845	RB + LB	97,120	BB-CPUE-Avg	60
19-Aug	7,020	2,285	DNF	6	0.48	11	26,165	RB + LB	62,720	CPUE-Wh-CC	No Count
20-Aug	4,296	14,800	DNF	12	0.96	22	32,040	RB + LB	23,230	CPUE-Wh-CC	200
21-Aug	1,095	3380 (5 sets)	44	14	1.12	26	27,781	RB + LB	60,680	CPUE-Wh-CC	No Count
22-Aug	1093 (4 sets)	7,142	59	22	1.76	24	16,867	RB + LB	86,720	CPUE-Wh-CC	1,210
23-Aug	4,877	780 (4 sets)	48	23	1.84	9	12,221	RB + LB	93,810	CPUE-Wh-CC	3,950
24-Aug	996	407	242	50	4.00	23	41,794	RB + LB	223,610	CPUE-Wh-CC	5,390
25-Aug	1,183	114	416	543	43.44	62	118,125	RB + LB	498,230	CPUE-Wh-CC	No Count
26-Aug	1,349	525 (5 sets)	360	277	22.16	30	68,997	RB + LB	907,890	CPUE-Wh-CC	18,890
27-Aug	408	170 (3 sets)	193	121	9.53	37			1,259,710	CPUE-Wh-CC	No Count
28-Aug	1,132	913	267	48	3.82	62			1,000,900	HA	30,060
29-Aug											
30-Aug											

¹ Qualark source:

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

² Mission source:

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

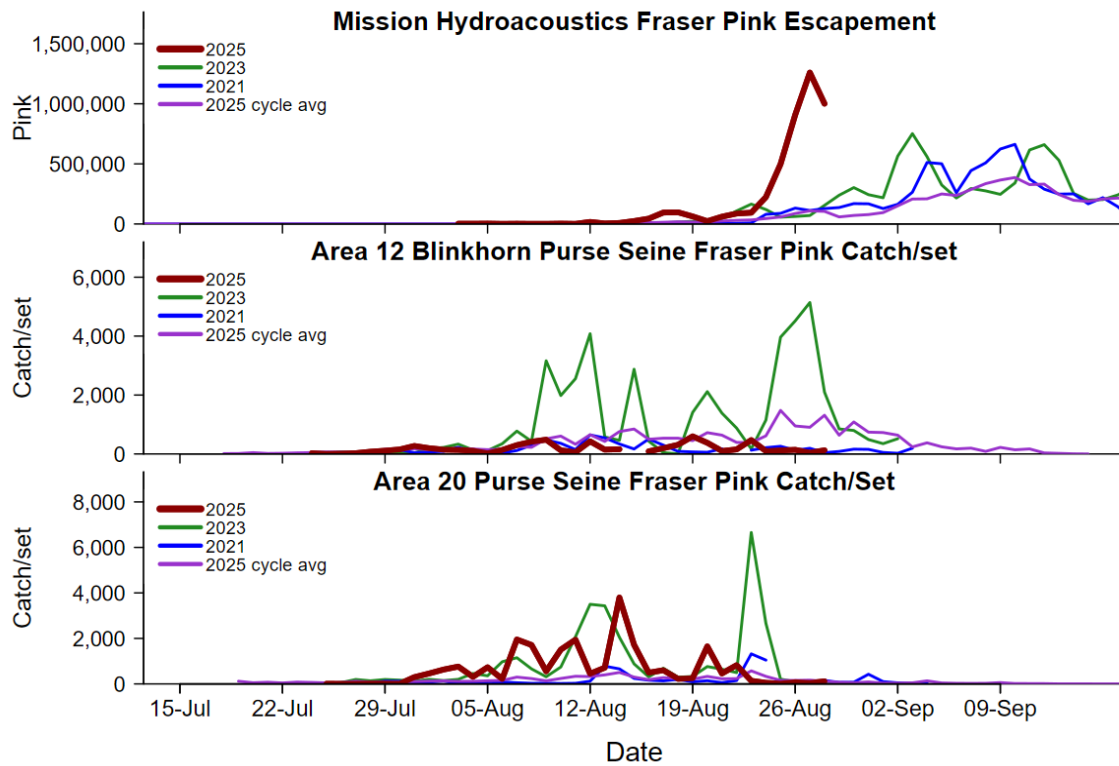
W = Whonnock CPUE x Expansion Line

CPUE-Wh-CC = Catchability Correction Model

HA = Total salmon - (Sockeye CPUE x EL) - Chinook

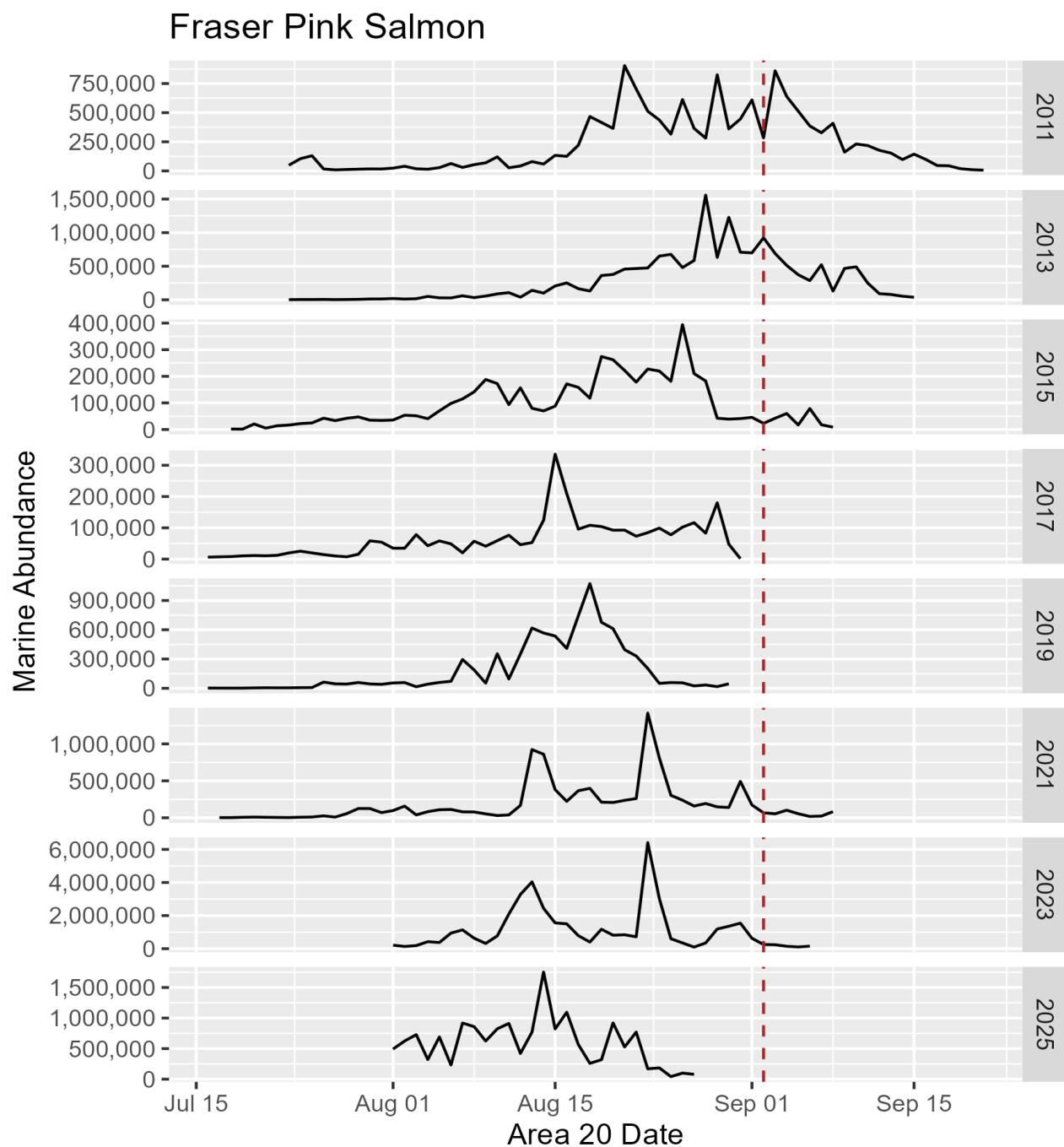
³ Daily Hells Gate abundance estimate; actual daily count has been expanded.

DNF = Did not fish



5a_Test Fishing & Escapement Summary_Pinks

Fraser Pink Salmon Marine Abundances 2011-2025



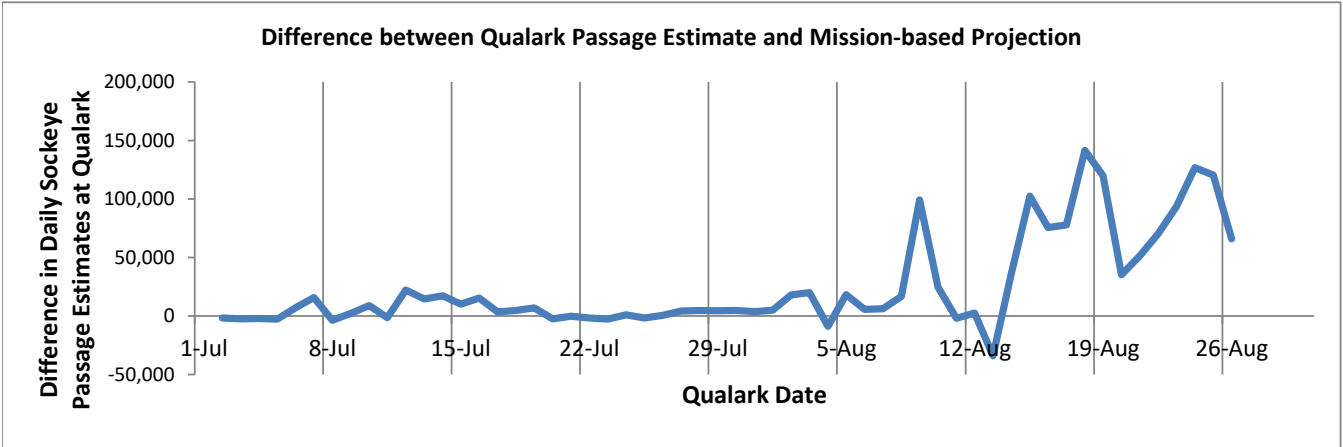
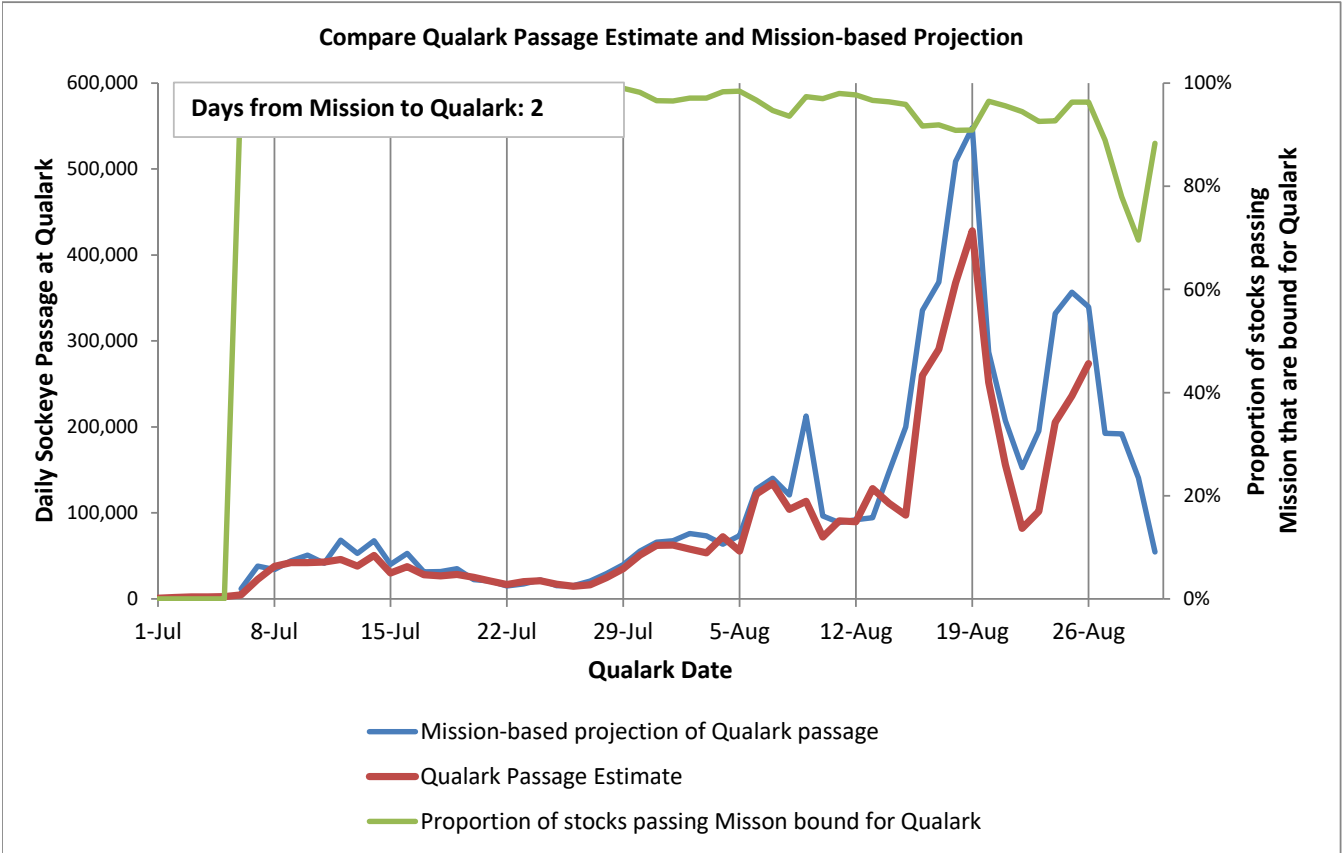
5b. Comparison of predictions from Mission to Qualark

Year: 2025

Date: 29-Aug-25

Time: 9:32 AM

	All Days	*Common Days
Mission projection	6,829,100	6,249,365
Qualark estimate	4,831,964	4,822,320
	Difference	1,427,045
	%Difference	23%



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 20	DNA	96	98%	0%						0%	25%	53%	1%	79%	5%	10%	6%	21%	NA	
A12 ps	tf	Aug 22	DNA	80	100%	0%						0%	16%	62%	1%	80%	4%	6%	10%	20%	100%	
A12 ps	tf	Aug 25	DNA	97	98%	0%						0%	12%	55%	3%	70%	7%	8%	15%	30%	97%	
A12 ps		Aug 30	Prediction	1	99%	0%						0%	9%	48%	2%	59%	6%	13%	22%	41%	NA	
Juan de Fuca Strait & Washington & Other																						
A20 ps	tf	Aug 23	DNA	100	99%	0%	1%					1%	18%	52%	3%	74%	11%	5%	9%	25%	98%	
A20 ps	tf	Aug26-27	DNA	69	99%	0%	1%					1%	2%	7%	41%	5%	56%	9%	11%	24%	43%	95%
A20 ps		Aug 30	Prediction	1	99%	0%	1%					1%	1%	10%	47%	4%	62%	6%	11%	21%	37%	NA
In-river																						
AB gn	tf	Aug 25	DNA	50	100%	0%	4%					2%	2%	10%	76%	2%	90%	4%		4%	NA	
AB gn	tf	Aug26-27	DNA	93	100%	0%						0%	1%	10%	51%	5%	67%	29%	4%	33%	100%	
BB gn	tf	Aug24-25	DNA	100	100%	0%	1%					3%	4%	1%	12%	64%	5%	83%	13%	13%	99%	
BB gn	tf	Aug 26	DNA	50	100%	0%						0%	6%	13%	38%	14%	70%	22%	8%	30%	93%	

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							
A13 GN	CM	Aug14-16	DNA	91	31%	24%	45%
A12 PS	TF	Aug19	DNA	97	58%	30%	12%
A12		Aug30	Prediction	1	68%	20%	12%
Juan de Fuca Strait							
A20 PS	TF	Aug7	DNA	98	56%	26%	18%
A20 PS	TF	Aug12	DNA	100	62%	31%	7%
A20		Aug30	Prediction	1	76%	21%	3%
Washington							
A7 PS	CM	Aug15	DNA	95	78%	13%	9%
A7 PS	CM	Aug18	DNA	96	86%	6%	9%
A7		Aug30	Prediction	1	89%	7%	4%
A7A		Aug30	Prediction	1	89%	6%	5%

Notes for sockeye and pink tables:

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

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

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

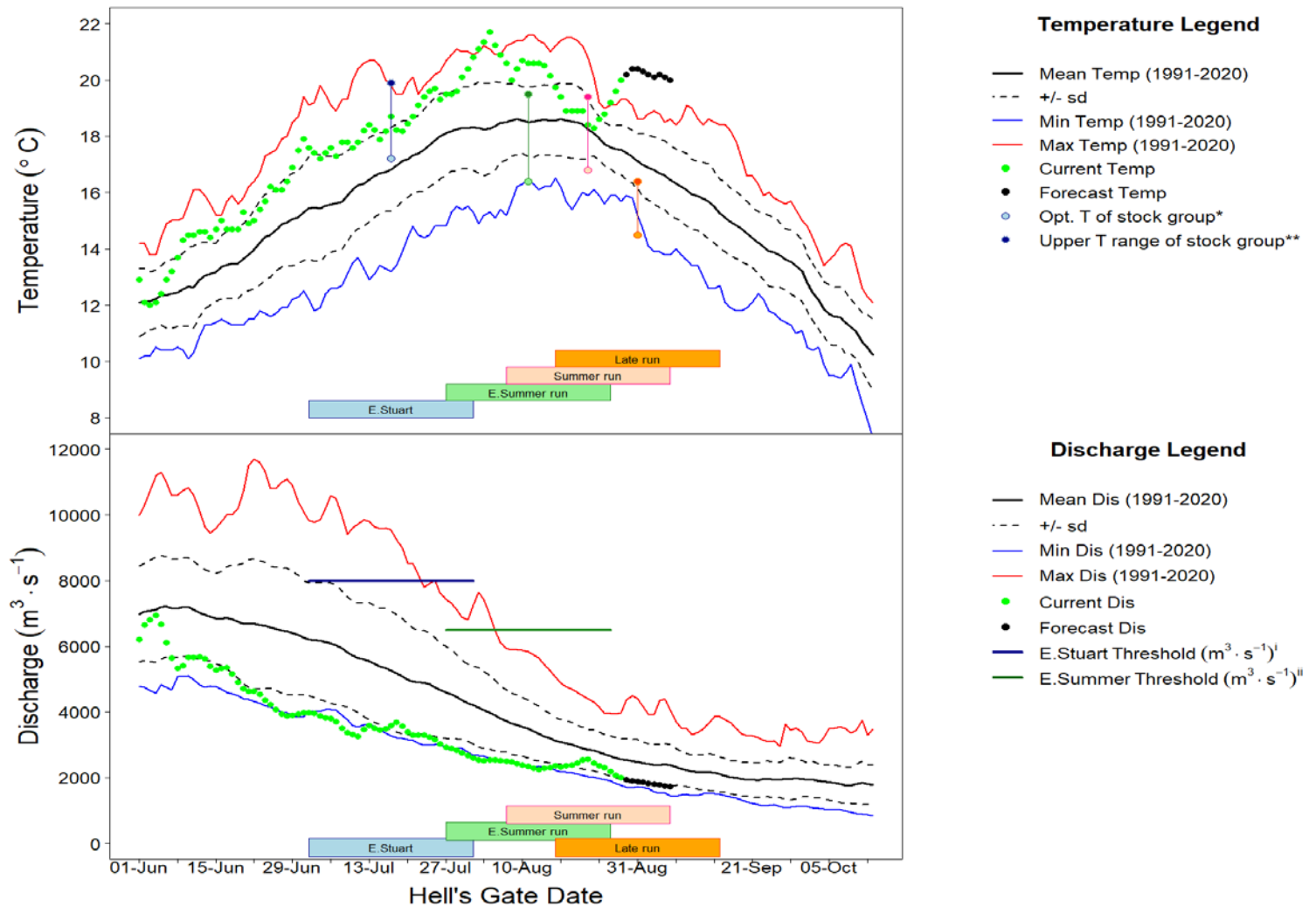
⁴ Further information relating stock group descriptions to spawning ground locations and population definitions can be found at http://www.psc.org/FRPWeb/Escapement/PSC_Fraser_Sockeye_Stock_Group_Definitions.pdf

Results in grey text have been presented to the Panel previously

Fraser River Environmental Report for August 28, 2025

Observed Fraser River Temperature at Qualark for 28-Aug	20°C
Average (1991-2020) Historical Temperature on this day	17.5°C
Deviation from Average	2.5°C
Forecast Temperature for 03-Sep-25	20.1°C
The forecast in Kamloops and Prince George is for above average temperature for the entire forecast period	

Observed Fraser River Discharge at Hope for 28-Aug	1997 m ³ ·s ⁻¹
Average (1991-2020) Historical Discharge on this day	2568 m ³ ·s ⁻¹
% above or below Historical Discharge	-22%
Forecast Discharge for 03-Sep-25	1804 m ³ ·s ⁻¹
The forecast in Kamloops and Prince George is for 22 mm and 41 mm, 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 #	27-Aug	Daily Mean	Historic Mean	Deviation from Historical Mean	Historic Year Range
<u>Fraser River Mainstem</u>					
1	Fraser River @ Qualark	19.6	17.5	2.1	1991-2020
2	Fraser River @ Texas Creek	na	17.0	na	2006-2024
3	Fraser River @ Marguerite	18.9	16.9	2.0	2015-2024
4	Upper Fraser @ Shelley	na	13.7	na	1994-2024
<u>Fraser River Tributaries</u>					
5	Thompson R. @ Ashcroft	20.2	18.4	1.8	1995-2024
6	South Thompson @ Chase	21.7	19.2	2.5	1994-2024
7	North Thompson @ McLure	17.8	14.9	2.9	2006-2023
8	Quesnel R. @ Quesnel	18.6	16.7	1.9	2000-2024
9	Nechako R. @ Isle Pierre	20.9	17.6	3.3	2006-2024
10	Stuart R. @ Ft. St. James	20.0	16.9	3.1	2000-2024



5eiv. TNG Taskforce update

Summary of TNG-led Emergency Salmon Task Force Weekly Data August 19–August 25, 2025

For the complete weekly report please see the FRTC distribution: [2025 08 28 Distribution.pdf](#)

Key observations from this week include:

- A cumulative total of 504,965 salmon have been counted since the start of the program on June 25, 2025, with 288,348 salmon counted during Week #9 (August 19 to 25, 2025). Salmon passage continues past the slide and passage rates (number of fish per day) continued to increase for salmon 50 to 64 cm in length, peaking at 61,332 on August 25, 2025 (Section 2.1).
- Sonar file review methods adjusted on August 14, 2025 (Week #8) to account for high salmon abundance continue to be implemented (Section 2.1).
- Daily mean turbidity in the Chilcotin River downstream of the slide site (Farwell Canyon) is ~20 NTU higher (as of August 25, 2025) than upstream of the slide site (Hanceville) and has remained below 100 NTU since August 17, 2025 (Section 3.1). Daily mean turbidity at both locations is now the lowest it has been since May 29, 2025.
- Turbidity in the Fraser River downstream of the Chilcotin River confluence (Gang Ranch) is ~10 NTU higher (as of August 25, 2025) than upstream of the Chilcotin River confluence (Sheep Creek) as indicated by turbidity monitoring (Section 3.2).

5ev. Report on Fish Condition

Date of Power BI Report	Latest Data Entry Date
28-Aug-25 10:10	27-Aug-25 00:00

Mid-Fraser Biol. 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.

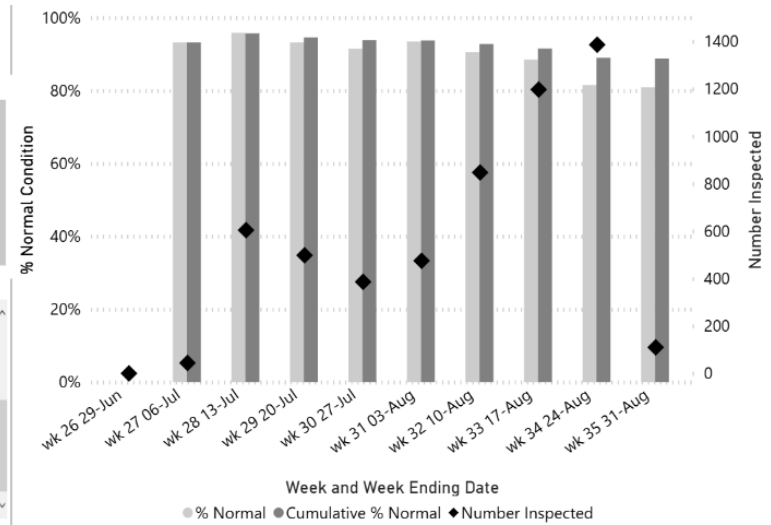
This information is updated twice a week in-season, generally for mid-day Tuesdays and Thursdays.

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 27 06-Jul	No fish observed
wk 28 13-Jul	48 fish holding - Kanaka Creek
wk 29 20-Jul	200 fish holding - Bridge River
wk 30 27-Jul	8 fish holding - Kanaka Creek
wk 31 03-Aug	200 fish holding - Bridge River; Many SK observed migrating; 500 fish holding - Bridge River;
wk 32 10-Aug	1000 @ Stein; 700 @ Skuzzy; Observed fish appear healthy
wk 33 17-Aug	Starting to see moribund/diseased Sk in back eddies and pools at surface
wk 34 24-Aug	1 Chinook mort on the Thompson
wk 35 31-Aug	



Sample Size by Site

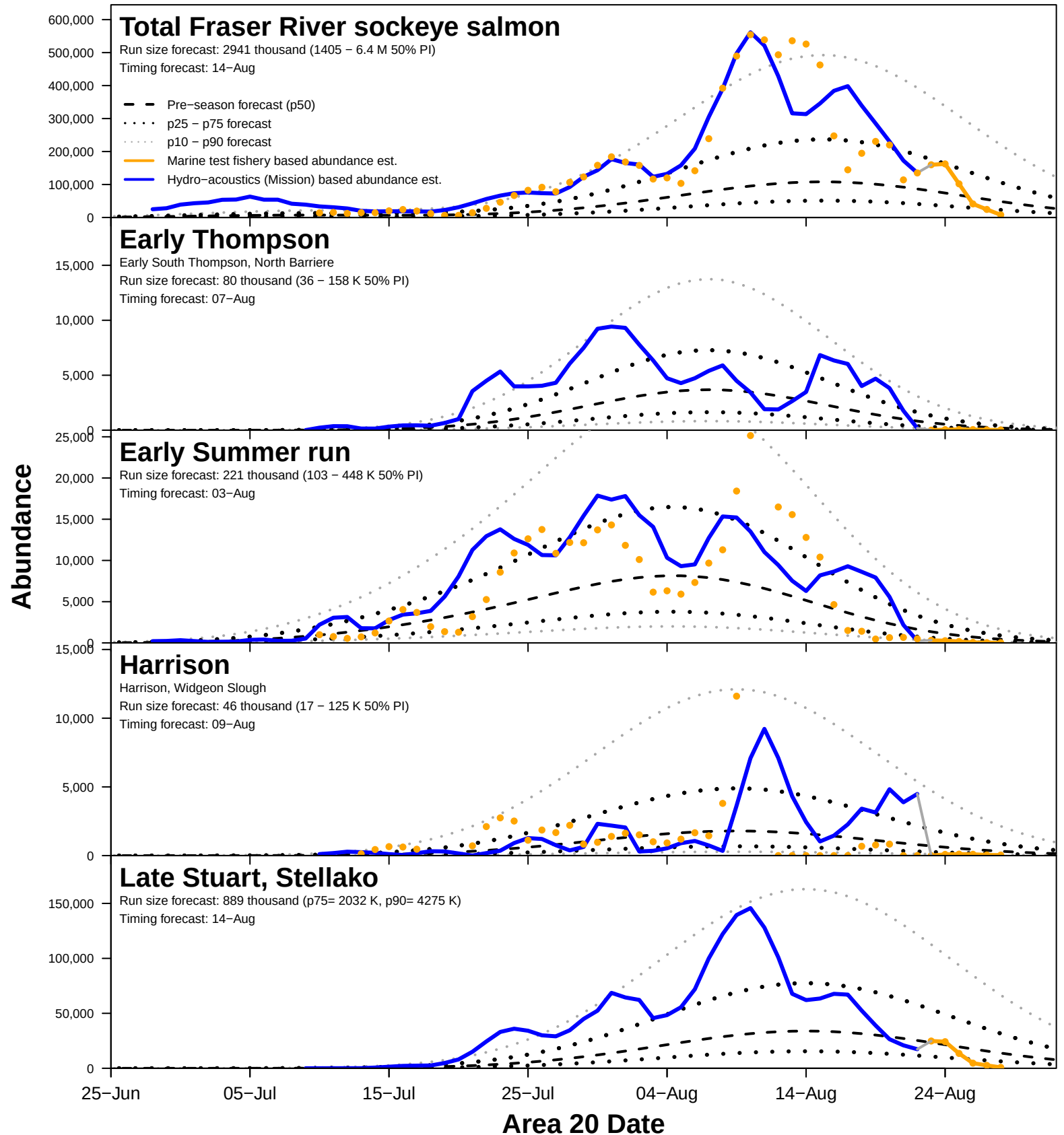
Week and Week End Date	D01	D02	D03	D04	D05	D06	D07a	D07b	D08	D09	D10	D11	D14	Qualark	Total
wk 30 27-Jul				0										386	386
wk 31 03-Aug	0	12	9	0						0		0	4	450	475
wk 32 10-Aug				84						0	3		11	749	847
wk 33 17-Aug			2	36	20	54	15		20	117	35			898	1,197
wk 34 24-Aug	12	10		8		4				232	92			1,028	1,386
wk 35 31-Aug														110	110
Total	12	22	11	128	20	58	15	20	349	130	0	25	4,757	5,547	

Sevi. Spawning Grounds Reports

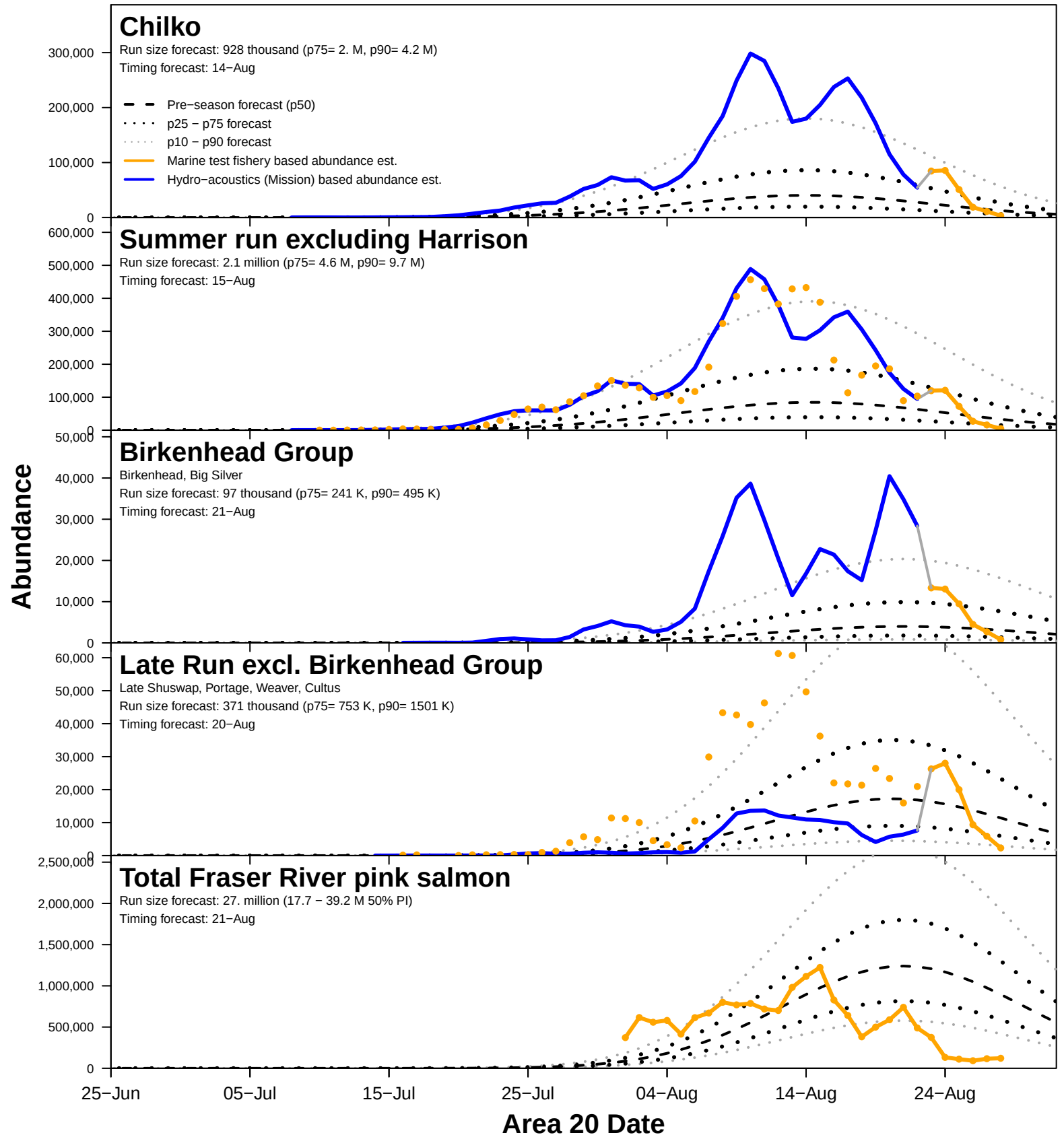
Table 1. Fraser River Sockeye escapement - 2025 in-season update #6.

Stock	Survey Method	Start Date	End Date	No. to Date	Spawning	Water Temp.	Water Conditions	Fish Condition
EARLY SUMMER								
Gates Creek & tribs.	Visual survey	27-Aug	Ongoing	NA	Holding/migrating	12		
Nahatlatch	Visual survey	20-Aug	Ongoing	NA	Approaching Peak Spawning	13	Increasing water levels	
Nadina	SONAR	29-Jul	Ongoing	23,222	Holding/migrating	22	Increasing water temps	
South Thompson (excl. Scotch)	Visual survey	19-Aug	Ongoing	NA	Holding/migrating	11.4-20.1	Increasing water temps	Appear healthy
Scotch Creek	Fence	14-Aug	Ongoing	6,067	Holding/migrating	15.5		
Upper Barriere River	Visual survey	19-Aug	Ongoing	NA	Approaching Peak Spawning	11.3-13.6		
Upper Chilliwack tribs.	Visual survey	5-Aug	Ongoing	NA	Past peak spawning	17	Increasing water temps	
SUMMER								
North Thompson (Mann, Lemeiux)	Visual survey	21-Aug	Ongoing	NA	Holding/migrating	12.3-15.2		Appear healthy
Raft River	Visual survey	21-Aug	Ongoing	NA	Holding/migrating	14.2-15.4		Appear healthy
Chilko	SONAR	7-Aug	Ongoing	186,036	Holding/migrating	14.0-15.0		
Quesnel	SONAR	7-Aug	Ongoing	65,553	Holding/Migrating	17.8		
Stellako	SONAR	25-Jul	Ongoing	39,360	Holding/Migrating	15.0-17.0		
LATE								
Big Silver Creek	Visual survey	21-Aug	Ongoing	NA	No Sockeye Observed	13.0-15.0		
Cultus Lake	Fence counts	30-Jul	Ongoing	16	Migrating	23		

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

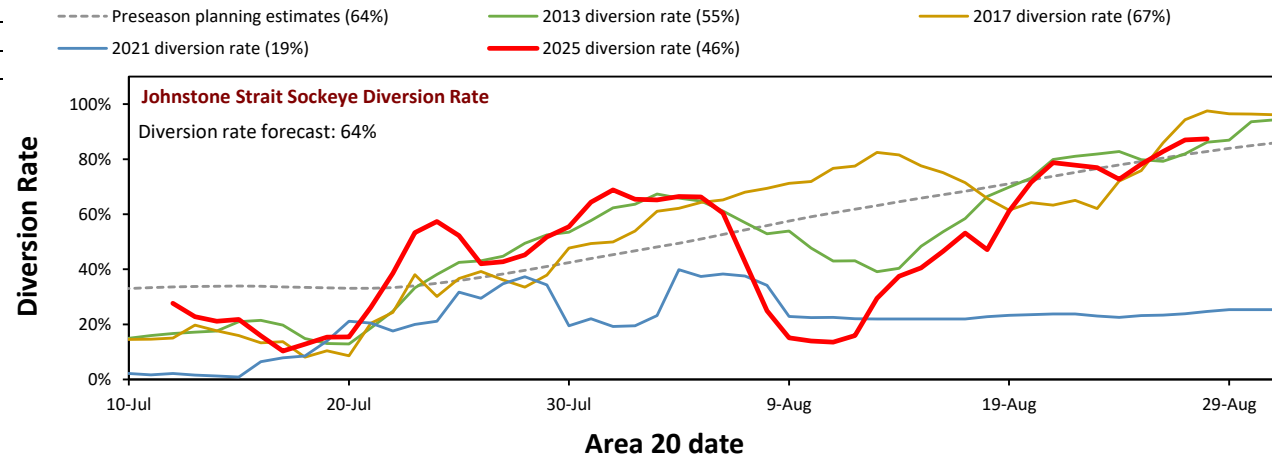
Current date: 29-Aug

	Escapement past Mission through 28-Aug	Projected abundance en route to Mission based on marine test fishery data ^{1,2}								Escapement + projections through 03-Sep	
Area 20 date		23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	Total	80% PI ³		
Mission date		29-Aug	30-Aug	31-Aug	01-Sep	02-Sep	03-Sep		10p	90p	
Total Fraser	7,451,700	234,900	193,500	55,100	57,300	10,700	4,900	556,400	339,300	801,800	8,008,100
Early Stuart	731,900	0	0	0	0	0	0	0	0	0	731,900
Early Summer Run	373,200	400	300	200	0	0	0	900	400	1,900	374,100
Chilliwack	4,300	0	0	0	0	0	0	0	0	0	4,300
Pitt/Alouette/Coquitlam	16,600	0	0	0	0	0	0	0	0	0	16,600
Nadina group ⁴	205,200	400	200	100	0	0	0	700	300	1,400	205,900
Early Thompson ⁵	147,100	0	100	100	0	0	0	200	100	400	147,300
Summer Run	5,855,600	181,000	142,000	37,200	37,800	6,500	3,000	407,500	248,600	586,800	6,263,100
Harrison / Widgeon ²	70,600	0	100	200	100	100	0	500	300	700	71,100
Late Stuart / Stellako	1,756,500	37,700	27,600	6,700	6,200	1,100	500	79,800	48,700	114,900	1,836,300
Chilko	3,431,200	128,700	100,500	25,400	26,400	4,200	2,200	287,400	175,300	413,900	3,718,600
Quesnel	412,500	11,100	9,900	3,300	3,200	800	200	28,500	17,400	41,000	441,000
Raft / North Thompson	184,800	3,500	3,900	1,600	1,900	300	100	11,300	6,900	16,300	196,100
Late Run	491,000	53,500	51,200	17,700	19,500	4,200	1,900	148,000	90,300	213,100	639,000
Birkenhead / Big Silver	390,200	17,100	16,100	5,800	6,500	1,100	500	47,100	28,700	67,800	437,300
Late Shuswap / Portage ²	77,900	13,900	13,000	4,200	4,600	1,100	500	37,300	22,800	53,700	115,200
Weaver / Cultus ²	22,900	22,500	22,100	7,700	8,400	2,000	900	63,600	38,800	91,600	86,500

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

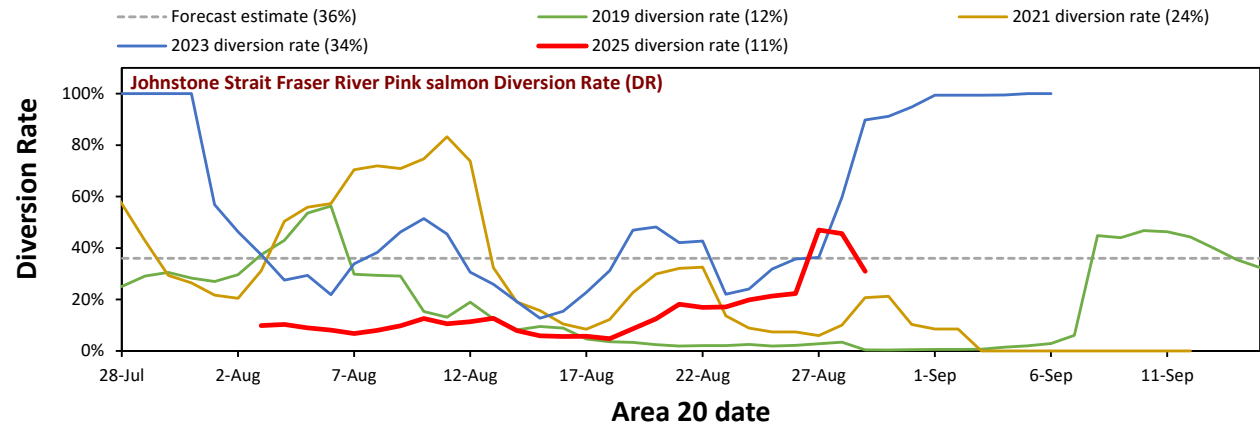
6c. 2025 Fraser River sockeye diversion rates through Johnstone Strait

	5-day-average
Diversion rate	87%



2025 Fraser River Pink salmon diversion rates through Johnstone Strait

	5-day-average
Fraser pink salmon	46%



6e Fraser River run size and timing estimates

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

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

	Run Size					Run Size Components					Run Timing ¹					
	Inseason Adopted	Preseason Forecast	Inseason estimate	Inseason 80% Pls ²		Method	Catch + Escapement	6-day Projection ³	Seaward Abundance	Migration Delay	Inseason Adopted	Preseason Forecast	Inseason estimate	Inseason 80% Pls ²		Method
				10% PI	90% PI									10% PI	90% PI	
Total Fraser sockeye	9,075,000	2,941,000	● 9,305,000	8,839,000	9,890,000	Sum	8,348,000	375,000	135,000	447,000		14-Aug	11-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	06-Jul	Recon
Early Summer Run	400,000	221,000	✓ 409,000	410,000	409,000	Recon	408,000	1,000	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	✓ 220,000	219,000	220,000	Recon	219,000	1,000	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	6,900,000	2,136,000	● 7,000,000	6,780,000	7,264,000	Sum	6,602,000	292,000	101,000	5,000	11-Aug	15-Aug	11-Aug	11-Aug	11-Aug	Recon(2)
Harrison / Widgeon		46,000	● 81,000	76,000	84,000	Recon	76,000	0	0	5,000		09-Aug	10-Aug	09-Aug	10-Aug	Recon
Late Stuart / Stellako		889,000	✓ 2,055,000	2,025,000	2,093,000	Recon(2)	1,992,000	51,000	11,000	0		14-Aug	09-Aug	09-Aug	09-Aug	Recon(2)
Chilko		928,000	● 4,091,000	3,961,000	4,256,000	Recon(2)	3,859,000	175,000	57,000	0		14-Aug	12-Aug	11-Aug	12-Aug	Recon(2)
Quesnel		260,000	● 553,000	511,000	584,000	Recon(2)	473,000	55,000	25,000	0		18-Aug	14-Aug	13-Aug	14-Aug	Recon(2)
Raft / North Thompson		14,000	● 220,000	207,000	247,000	Recon(2)	201,000	11,000	8,000	0		23-Aug	13-Aug	13-Aug	16-Aug	Recon(2)
Late Run	1,050,000	468,000	▲ 1,160,000	913,000	1,481,000	Sum	602,000	82,000	34,000	442,000	15-Aug	20-Aug	14-Aug	14-Aug	17-Aug	Weight
Birkenhead Group		97,000	● 484,000	457,000	525,000	Recon(2)	443,000	27,000	14,000	0		21-Aug	15-Aug	14-Aug	16-Aug	Recon(2)
L.Shuswap / Weaver Gr.		371,000	◇ 676,000	456,000	956,000	Recon(2)	159,000	55,000	20,000	442,000		20-Aug	14-Aug	13-Aug	17-Aug	Model
Fraser Pink salmon	12,500,000	26,965,000	◇ 11,930,000	6,831,000	20,000,000	Model	5,384,000	1,065,000	423,000	5,058,000	13-Aug	21-Aug	13-Aug	10-Aug	15-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	Run size assessment model (median)
Recon	Catch + escapement + 6-day test fish projection + model seaward projection
Recon(2)	Catch + escapement + model projections
Sum	Sum of individual groups
Weight	Weighted average of individual groups

Run Size Uncertainty Legend[†]

- ✓ ≥ 95% of the run size has been accounted for in catch + escapement. The CV associated with the run size is < 5%. Clear indication of run size; minor run size updates still expected
- ≥ 70% of the run size has been accounted for in catch + escapement. The CV associated with the run size is < 20%. Good indication of run size; peak fo the run has been observed at Mission, uncertainty relates to 6 day projection and seaward abundance
- ▲ ≥ 50% of the run size has been accounted for in catch + escapement. The CV associated with the run size is < 35%. Decent indiciation 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 indiciation 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

Pink Salmon Run Size Weight of Evidence

Default Run Size Method: Time Density Model

29-08-2025

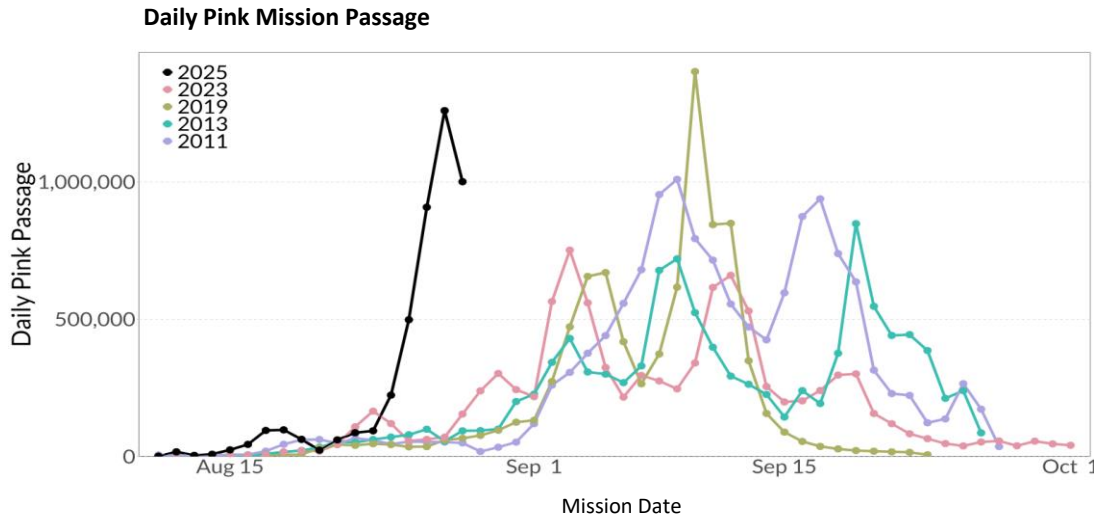
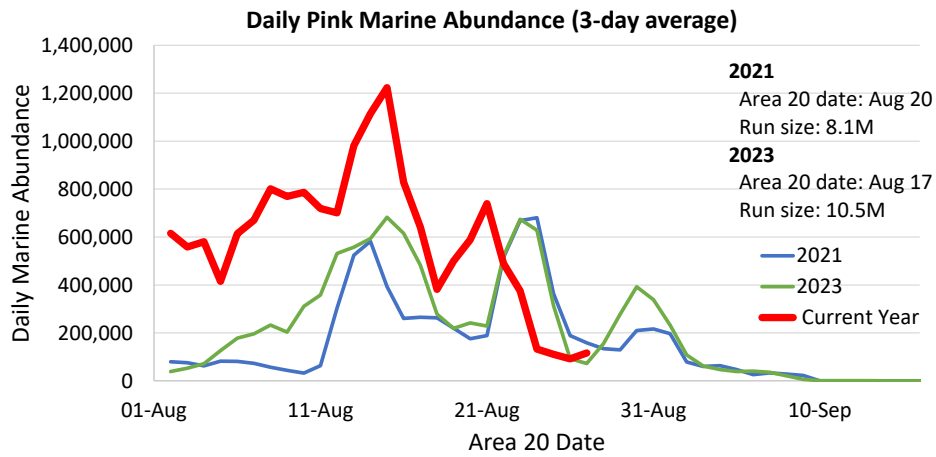
<10M	10-15M	15-20M	>20M
	☒ ☐	☐	☐

☒ Default run size estimate = Time Density Model

☐ 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	10-15M	yes
SST Regression	☐ June SST (ocean entry yr) at Pine Island	10-15M	no
Marine Reconstructed	☐ Reconstructed abundance since Aug 1 to date (CPUE * EL)	15-20M	yes



Year	Fraser Pink Run Size
2023	10,513,000
2019	8,858,000
2013	15,898,000
2011	20,645,000

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	Recommendation	6,900,000	7,000,000	11-Aug	NA
Late Run	Recommendation	1,050,000	1,150,000	15-Aug	14-Aug
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	Recommendation	-0.56	1.27	-0.51	1.04



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

FRP meeting: Tuesday, September 2, 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 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