File: 71007

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

FRP meeting: Friday, August 15, 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: Pink pay fish memo, TF budget, Weekly report	5 min	Panel
☑	11)	Next FRP meeting and agenda	2 min	PSC staff/Panel
	12)	Next TC meeting:		PSC staff
☑	13)	Data acknowledgements		

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

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

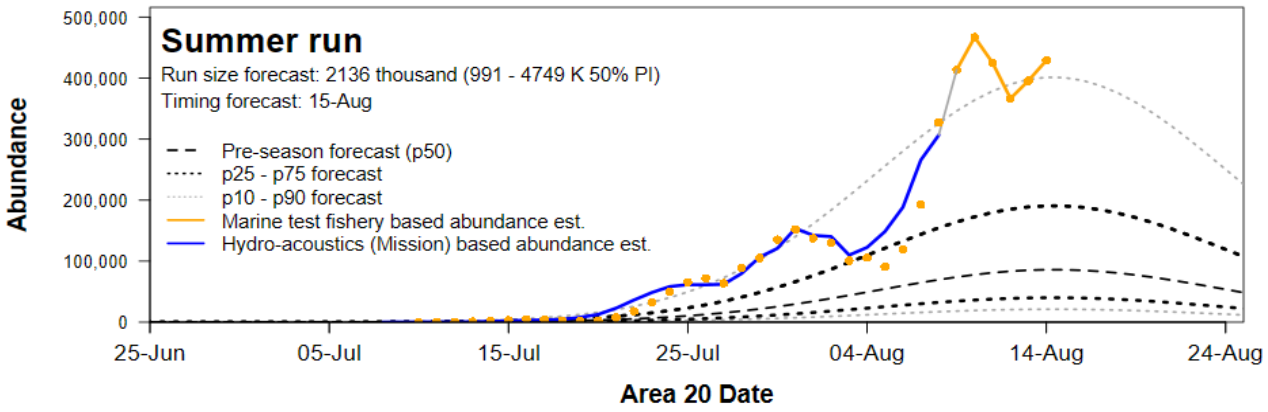
2025 Run status of Fraser sockeye and pink salmon

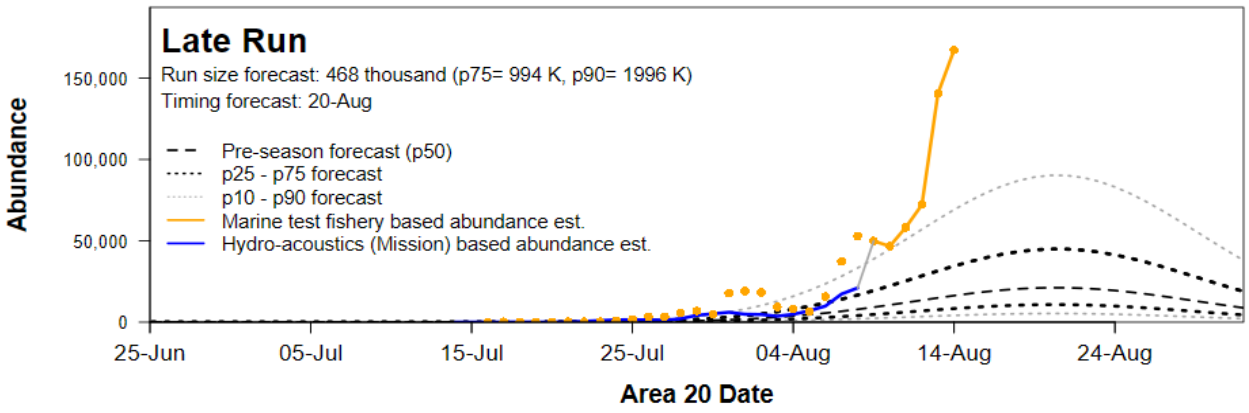
Date: Aug. 15, 2025

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. 10 - Aug. 16, 2025	Sockeye					Pink
	Management Group				Total	Total
	E.Stuart	E.Summer	Summer	Late	Fraser	Fraser
Mission passage (incldes Pitt, Alouette, Coquitlam)	731,900	275,000	2,038,200	77,900	3,123,000	46,700
Catch downstream of Mission	3,900	35,300	311,500	37,000	387,700	101,300
Accounted Run To Date	735,800	310,300	2,349,700	114,900	3,510,700	148,000
Run size adopted in-season [1]	**725,000**	**390,000**	**4,800,000**	**700,000**	**6,615,000**	**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**	**11-Aug**	**16-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	**37%**	**10%**
				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. 15, 2025

Week of: Aug. 10 - Aug. 16, 2025	Sockeye		Pink	
	Total	Fraser	Total	Fraser
Canada	**335,458**	**329,665**	**78,354**	**16,603**
Commercial	**0**	**0**	**0**	**0**
B Purse Seine	0	0	0	0
H Troll	0	0	0	0
First Nations	**321,779**	**315,985**	**67,053**	**15,914**
Food, Social & Ceremonial (FSC)	321,779	315,985	67,053	15,914
Marine	193,207	187,414	67,053	15,914
Fraser R.	128,572	128,572	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**	**689**
Charter (Albion & A12 Chum test fishery)	**278**	**278**	**0**	**0**
Other****	**13,402**	**13,402**	**0**	**0**
United States	**94,693**	**94,574**	**150,060**	**83,672**
Commercial	**94,550**	**94,431**	**150,060**	**83,672**
Treaty Tribes (TRB)	70,861	70,861	117,988	64,630
All Citizen (AC)	23,689	23,570	32,072	19,042
Treaty Tribes Ceremonial & Subsistence (C&S)	**143**	**143**	**0**	**0**
All Citizen Recreational	**0**	**0**	**0**	**0**
Other****	**0**	**0**		
Alaska *	**na**	**na**	**na**	**na**
Panel-approved Test Fisheries	**22,432**	**21,688**	**3,578**	**985**
Panel Waters	**16,511**	**16,254**	**2,221**	**737**
Canada	15,767	15,524	1,409	434
U.S.	744	730	812	302
Non-Panel Waters**	**5,921**	**5,434**	**1,357**	**249**
Total	**452,583**	**445,927**	**231,992**	**101,261**
Catch Seaward of Mission ***	394,283	387,626	231,992	101,261
Catch Upstream of Mission	58,300	58,300	0	0

** Alaska data are processed post-season and so are unavailable in-season.*

*** Includes Qualark*

**** All catches in marine areas and in the Fraser River downstream of Mission.*

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

4c. Release mortalities

2025 Release Mortalities-to-date by fishery

(release mortalites are excluded from catch

Date: Aug. 15, 2025

Week of: Aug. 10 - Aug. 16, 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) & Demons	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**	**8**	**8**
United States	**500**	**500**	**125**	**125**
Commercial	**500**	**500**	**125**	**125**
Treaty Tribes (TRB)	0	0	0	0
All Citizen (AC)	500	500	125	125
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	**242,497**	**230,760**	**23817**	**23,097**
Panel Waters	**242,496**	**230,759**	**23816**	**23,096**
Canada	237,719	230,759	23792	23,096
U.S.	4,777	0	24	0
Non-Panel Waters	**1**	**1**	**1**	**1**
Total	**245,418**	**233,672**	**24037**	**23,316**
Catch Seaward of Mission ***	243,358	231,613	23981	23,260
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	390,000	4,800,000	700,000	6,615,000		26,965,000
Adult Spawning Escapement Target (SET)			580,000	195,000	2,400,000	350,000	3,525,000		8,089,500
%SET from TAM rules			80%	50%	50%	50%			30%
Management Adjustment (MA)			1,078,800	105,300	960,000	427,000	2,571,100		0
Proportional MA (pMA)			1.86	0.54	0.40	1.22			0.00
Adjusted Spawning Escapement Target (SET) *			725,000	300,300	3,360,000	700,000	5,085,300		8,089,500
Test Fishing (TF)			5,500	3,400	29,350	5,530	43,780		90,000
Surplus above Adjusted SET & Test fishing			0	86,300	1,410,650	0	1,496,950		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	327,587	3,765,463	705,530	5,529,080		8,179,500
Available TAC for International Sharing			0	62,413	1,034,537	0	1,096,950		18,785,500
UNITED STATES (Washington) TAC									
Proportionally Distributed TAC **		16.5%	0	10,300	170,700	0	181,000	25.7%	4,827,870
U.S. Payback **		-0.2%	0	-140	-2,250	0	-2,390		0
Proportionally Distributed TAC + Payback			0	10,160	168,450	0	178,610		4,827,870
Treaty Tribes Share **		67.7%	0	6,830	113,310	0	120,140	50.0%	2,413,935
All Citizen Share		32.3%	0	3,330	55,140	0	58,470	50.0%	2,413,935
CANADA TAC									
Aboriginal Fishery Exemption (AFE)			0	23,887	376,113	0	400,000		0
Canadian TAC + AFE			0	76,140	1,242,200	0	1,318,340		13,957,630
CATCH-TO-DATE									
Test			5,310	2,030	13,550	790	21,690		990
Treaty Tribes (Wash.) / Ceremonial (TRB)			0	1,440	61,630	7,940	71,000		64,630
All Citizen (Wash.)			0	1,210	20,330	2,030	23,570		19,040
Other (Wash.)***			0	0	0	0	0		
Washington			0	2,650	81,960	9,970	94,570		83,670
First Nations Catch (including AFE)			2,650	35,550	251,360	26,430	315,990		15,910
Planned Charter & Recreational Shares			60	30	190	8	278	0	690
Other***			3,320	1,690	8,380	20	13,400	0	0
Total Commercial (including FN EO/Demo****)			0	0	0	0	0	0	0
Canada			6,030	37,270	259,930	26,460	329,660		16,600
Total Catch in All Fisheries			11,340	41,950	355,440	37,220	445,930		101,260
Exploitation Rate (catch-to-date / run size)			1.6%	10.8%	7.4%	5.3%	6.7%		0.4%
Fisheries induced mortalities (Canada, U.S. & TF)			57	887	19,209	3,163	23,316		
Exploit. Rate with fishery-induced mortality included			1.6%	11.0%	7.8%	5.8%	7.1%		
CATCH REMAINING (BALANCE)									
Washington			0	7,510	86,490	-9,970	84,040		4,744,200
Canada			-6,030	38,870	982,270	-26,460	988,650		13,941,030
Balance Remaining [below share / -above share]			-6,030	46,380	1,068,760	-36,430	1,072,680		18,685,230

* 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]	Qualark Method[2]	Mission Hydroacoustics Estimate[3] (+6 days)	Mission Hydroacoustics Method[4]	Hells Gate Estimates[5] (+10 days)
25-Jul	35 (5 sets)	1,612	86	36	3.18	48	17,172	RB + LB	21,100	A1+M2+A2	9,180
26-Jul	1,180	1,624	105	71	5.81	34	14,801	RB + LB	29,800	A1+M2+A2	2,920
27-Jul	1,159	1,252	125	58	4.80	30	16,386	RB + LB	40,100	A1+M2+A2	430
28-Jul	8,530	142 (5 sets)	112	120	9.55	53	24,694	RB + LB	56,600	A1+M2+A2	480
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	77,300	A1+M2+A2	60,260
4-Aug	2,530	961	289	214	17.12	100	72,384	RB + LB	132,600	A1+M2+A2	34,070
5-Aug	1 (2 sets)	1,377	147	210	16.80	54	55,497	RB + LB	149,900	A1+M2+A2	*No Count*
6-Aug	913	1,080	137	210	16.80	120	122,031	RB + LB	127,600	A1+M2+A2	*No Count*
7-Aug	1,312	5,420	167	397	31.76	165	134,398	RB + LB	226,700	A1+M2+A2	109,740
8-Aug	2,265	6,422	316	209	16.72	105	104,085	RB + LB	110,300	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	100,900	A1+M2+A2	45,300
11-Aug	8,176	15060 (5 sets)	212	200	16.00	54	90,783	RB + LB	93,200	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	129,592	RB + LB	215,900	A1+M2+A2	75,780
14-Aug	11960 (5 sets)	15,140	354	64	4.56	115			371,400	A1+M2+A2	67,740
15-Aug											
16-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)

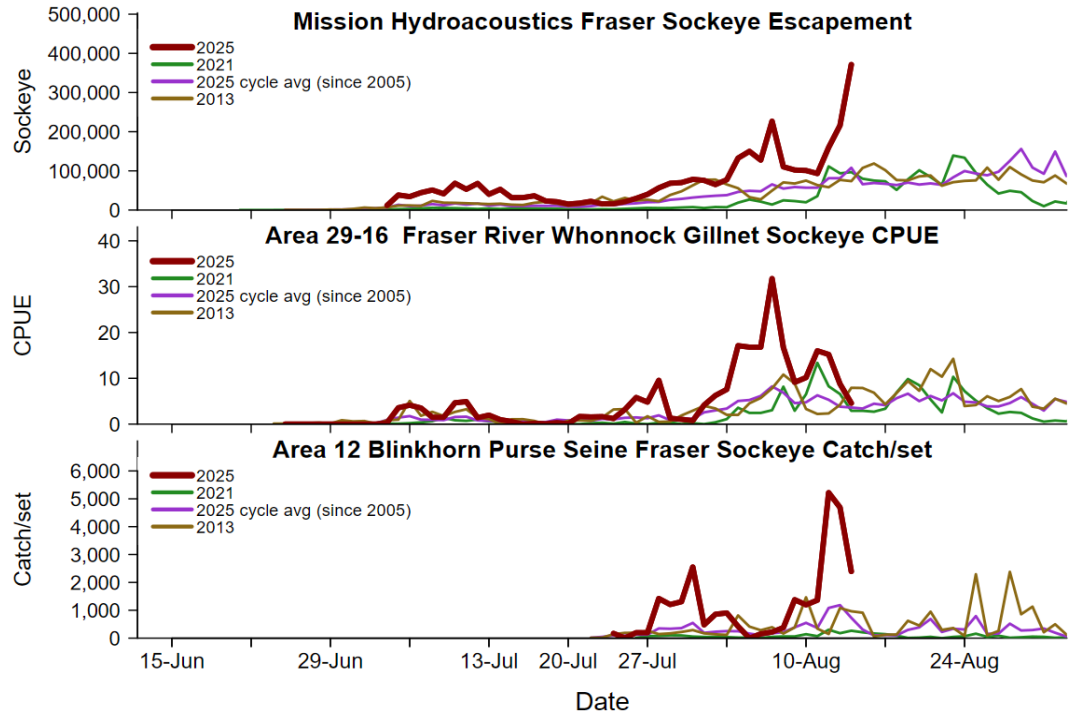
[3] Mission escapement estimate - does not include Pitt

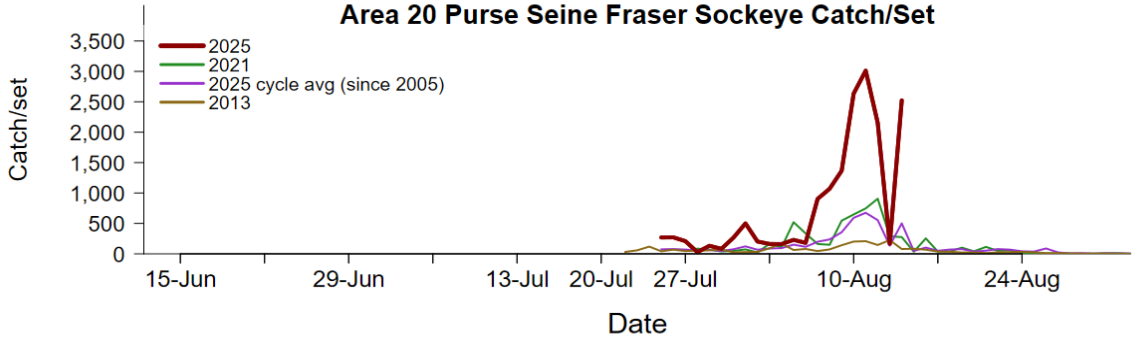
[4] *Mission Source:*

A1+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.

5a_Test Fishing & Escapement Summary_Sockeye





5a_Test Fishing & Escapement Summary_Pinks

2025 Fraser Pink Test Fishing & Escapement Summary

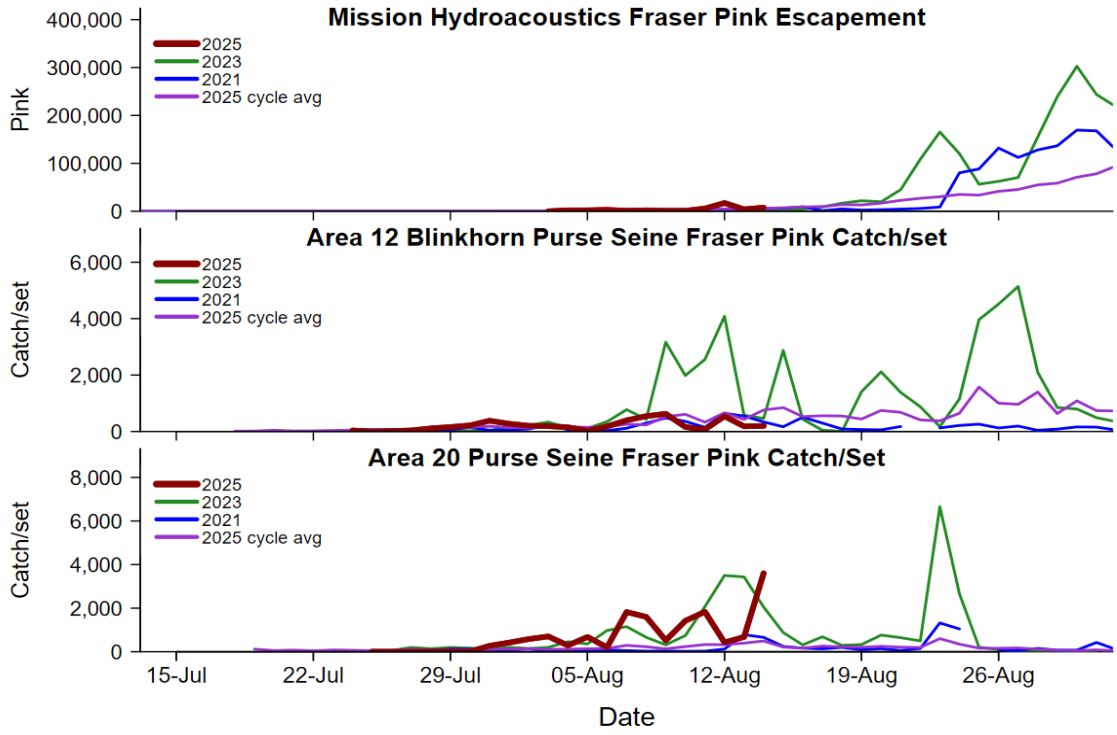
	Johnstone Strait	Juan de Fuca Strait	Fraser River								
Area/Gear	A12 PS	A20 PS	A29-17 GN	A29-16 GN	Whon CPUE	Qualark			Mission Hydroacoustics		Hell's Gate
Location	Blinkhorn	Port Renfrew	Brownsville Bar	Whonnock	Estimate	GN Catch	Estimate	Method[2]	Estimate	Method[3]	Estimates[4]
From A20	(- 2 days)	(0 days)									
25-Jul	92 (5 sets)	257	0	0	0.00	0	0	RB + LB	0		0
26-Jul	1,014	86	0	0	0.00	0	0	RB + LB	0		0
27-Jul	1,923	117	0	0	0.00	0	0	RB + LB	0		4,380
28-Jul	4,890	309	0	0	0.00	0	0	RB + LB	0		6,710
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	0	BB-CPUE-Avg	0
4-Aug	3,201	4,681	0	1	0.08	0	0	RB + LB	2,020	BB-CPUE-Avg	0
5-Aug	173 (2 sets)	10,427	1	0	0.00	0	0	RB + LB	2,020	BB-CPUE-Avg	*No Count*
6-Aug	3,260	2,956	0	0	0.00	0	0	RB + LB	3,030	BB-CPUE-Avg	*No Count*
7-Aug	6,712	25,344	1	0	0.00	0	0	RB + LB	1,010	BB-CPUE-Avg	0
8-Aug	8,620	21,315	0	0	0.00	0	0	RB + LB	2,020	BB-CPUE-Avg	0
9-Aug	9,400	6,655	0	0	0.00	0	0	RB + LB	1,010	BB-CPUE-Avg	*No Count*
10-Aug	1490 (4 sets)	17,420	0	1	0.08	0	0	RB + LB	1,010	BB-CPUE-Avg	0
11-Aug	995	18100 (5 sets)	1	2	0.16	0	0	RB + LB	5,730	W	*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	4,050	BB-CPUE-Avg	0
14-Aug	1930 (5 sets)	38,830	5	3	0.21	0			7,640	W	0
15-Aug											
16-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.

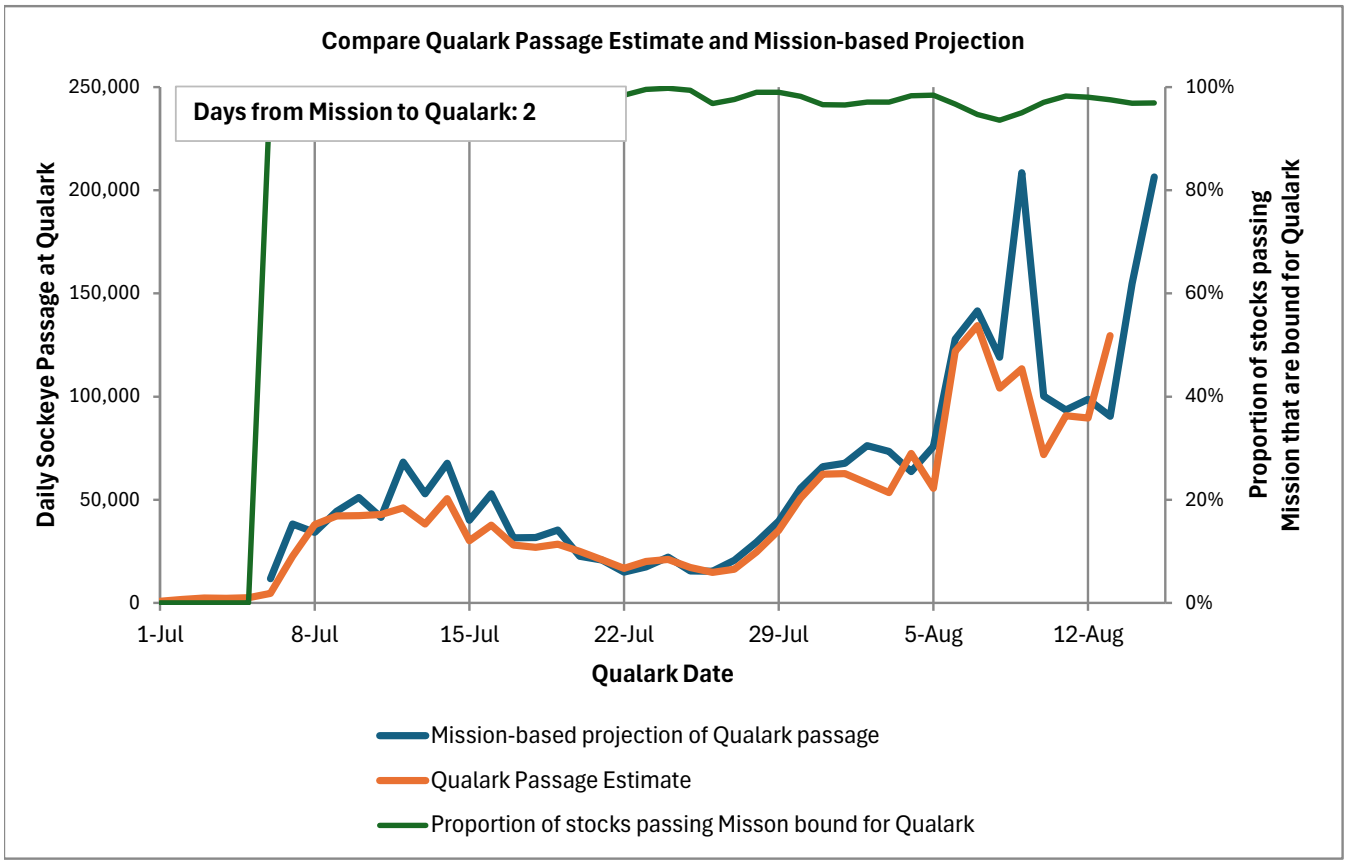


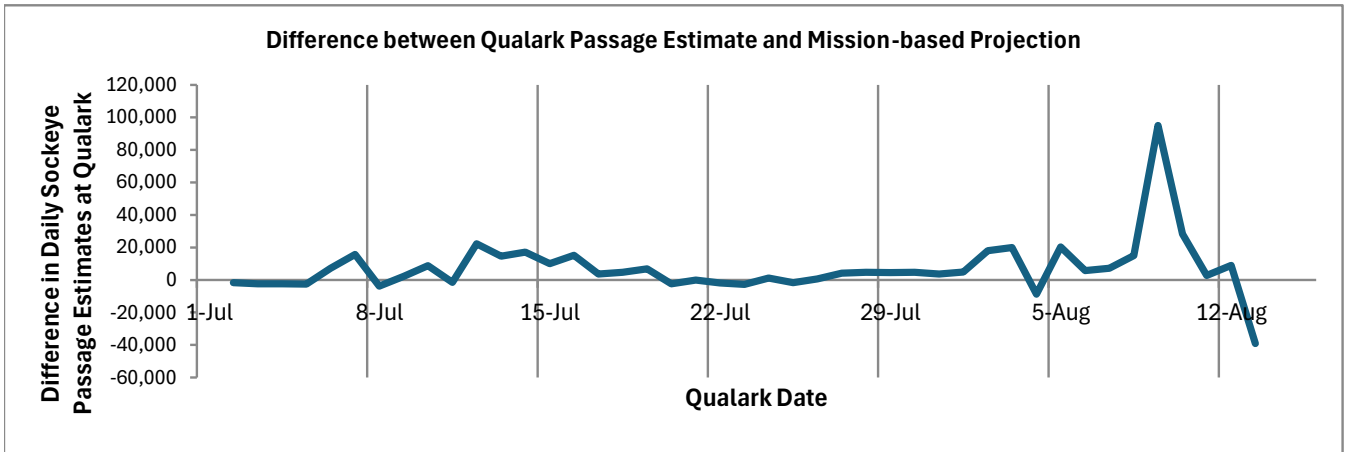
5b. Comparison of predictions from Mission to Qualark Year: **2025**

Date: 15-Aug-25

Time: 9:30 AM

	All Days	*Common Days
Mission projection	2,639,229	2,277,904
Qualark estimate	1,970,998	1,961,354
	Difference	**316,550**
	%Difference	**14%**





5d. Fraser River Sockeye Salmon Stock identification Review

Recent stock composition estimates for sockeye salmon

						Fraser-only Stock Proportions by Reporting Group[4] (%)													Age (%)
						Early Stuart	Early Summer					Summer					Late				Overall Stocks
Area/Gear[1]	Fishing Sector[2]	Date	Sample Type[3]	Size (n)	%Fraser	Early Stuart	Chilliwack	Pitt Alouette Coquitlam	Nadina Bowron Gates Nahatlatch Taseko	Early Thompson	Early Summer sub-total	Harrison Widgeon	Late Stuart Stellako	Chilko Quesnel	Raft North Thompson	Summer sub-total	Birkenhead Big Silver	Late Shuswap Portage	Weaver Cultus	Late sub-total	Age-4$_2$
Johnstone Strait & Queen Charlotte Strait																					
A12 ps	tf	Aug 8	DNA	100	96%	0%		1%	3%	3%	7%		29%	43%	4%	76%	5%	1%	10%	16%	94%
A12 ps	tf	Aug 11	DNA	98	98%	0%		0%			0%		25%	49%		74%	4%	13%	8%	25%	96%
A12 ps		Aug 16	Prediction	1	100%	0%			1%	1%	3%		14%	58%	2%	74%	9%	6%	8%	23%	NA
Juan de Fuca Strait & Washington & Other																					
A7,7A ps	cm	Aug 10	DNA	133	100%	0%				2%	2%	2%	25%	59%	1%	87%	10%		1%	11%	99%
A7A ps	cm	Aug 12	DNA	95	99%	0%			4%		4%		28%	53%	3%	84%	10%		2%	12%	NA
A7 ps	cm	Aug 12	DNA	93	100%	0%			3%	3%	6%		25%	60%	3%	88%	5%	0%		5%	98%
A20 ps	tf	Aug12-13	DNA	130	98%	0%			1%	3%	3%		21%	56%	4%	81%	8%	0%	7%	15%	99%
A20 ps		Aug 16	Prediction	1	99%	0%			1%	1%	2%	1%	16%	56%	3%	75%	9%	2%	13%	23%	NA
In-river																					
BB gn	tf	Aug8-9	DNA	100	100%	0%			4%	5%	9%		40%	49%	1%	91%				0%	98%
BB gn	tf	Aug11-12	DNA	100	100%	0%		1%	0%	3%	4%		38%	54%	1%	93%	3%			3%	97%
AB gn	tf	Aug9-10	DNA	99	100%	0%			7%	4%	11%		31%	51%	1%	83%	4%	1%	1%	6%	100%
AB gn	tf	Aug11-12	DNA	98	100%	0%		2%	3%		5%		28%	60%	2%	90%	3%	1%		5%	98%

2025 Fraser River Pink Salmon Stock identification Review

Recent stock composition estimates for pink salmon

	Fishing		Sample		DNA % Estimates by Group		
Area/Gear[1]	Sector[2]	Date	Type[3]	Size (n)	Fraser River	Washington	BC South Coast
Johnstone Strait							
A13 PS	fsc	Aug6	DNA	92	14%	21%	65%
A12 PS	tf	Aug12	DNA	95	42%	19%	39%
A12		Aug15	Prediction	1	53%	19%	28%
Juan de Fuca Strait							
A20 PS	tf	Jul31	DNA	94	18%	53%	28%
A20 PS	tf	Aug7	DNA	98	56%	26%	18%
A20		Aug15	Prediction	1	57%	33%	10%
Washington							
A7/7A PS	cm	Aug10	DNA	100	58%	9%	33%
A7		Aug15	Prediction	1	67%	11%	21%
A7A		Aug15	Prediction	1	67%	10%	23%

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

5ei. Environmental report

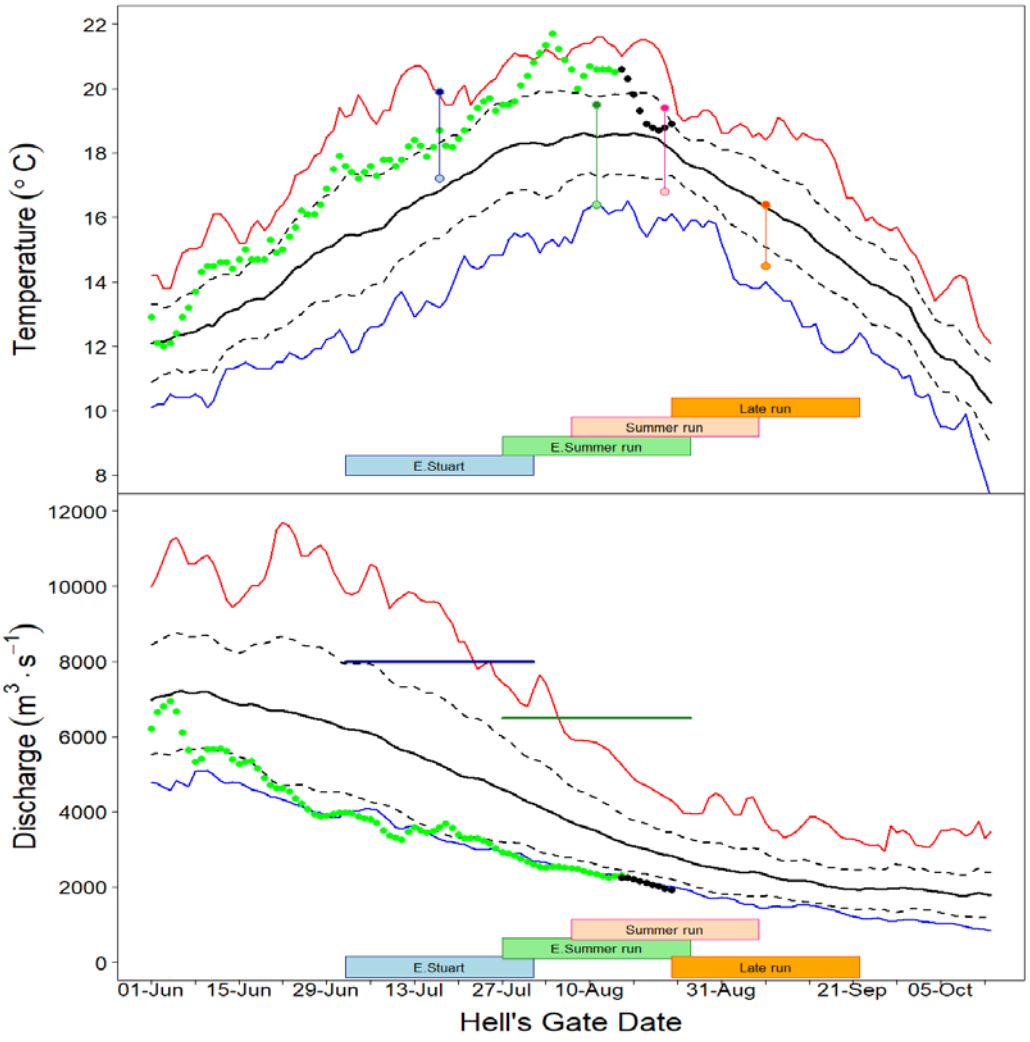
Fraser River Environmental Report for August 14, 2025

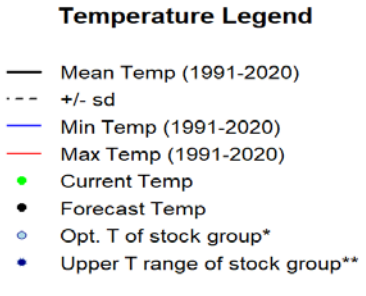
Observed Fraser River Temperature at Qualark for 14-Aug	20.5°C
Average (1991-2020) Historical Temperature on this day	18.6°C
Deviation from Average	1.9°C
Forecast Temperature for 20-Aug-25	18.8°C

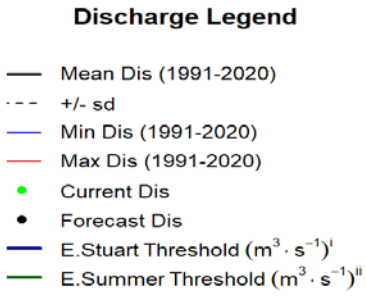
The forecast in Kamloops and Prince George is for below average temperature until August 21 and then above average for the rest of the forecast period.

Observed Fraser River Discharge at Hope for 14-Aug	2290 $m^3 \cdot s^{-1}$
Average (1991-2020) Historical Discharge on this day	3265 $m^3 \cdot s^{-1}$
% above or below Historical Discharge	-30%
Forecast Discharge for 20-Aug-25	2061 $m^3 \cdot s^{-1}$

The forecast in Kamloops and Prince George is for 3 mm and 18 mm precipitation, respectively.



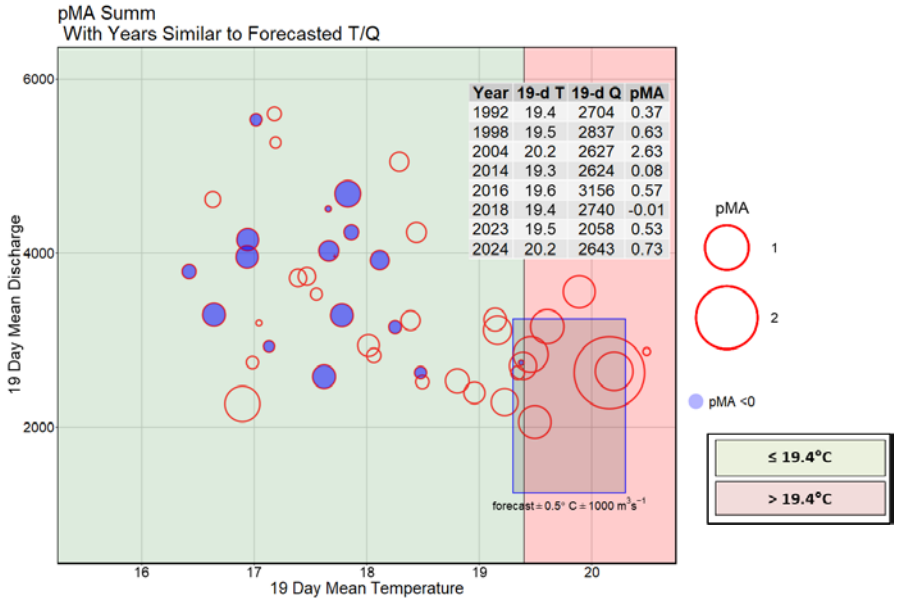




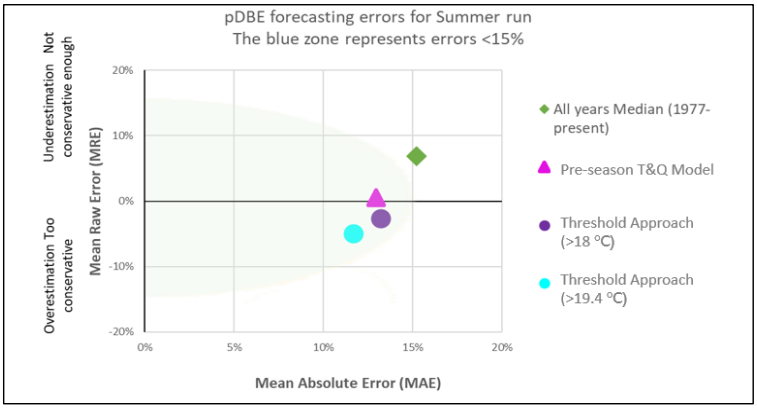
Run timing bars represent a 31 day spread of the run centered around the Hell's Gate date. Hell's gate timing is 5 days from Mission for Early Stuart and Late run; and 4 days from Mission for Early Summer and Summer run.'pMA is the proportional increase to spawning escapement targets to help ensure targets are achieved."%DBE is %difference betweeen 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}. [i]Discharge threshold of 8000cms for Early Stuart from Macdonald (2000). Can. Tech. Rep. Fish. Aquat. Sci. 2315: 120p. [ii]Discharge 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.

5eii. pDBE forecast and sensitivity analysis

Summer run pDBE Forecast and Sensitivity Analysis forAugust 15, 2025

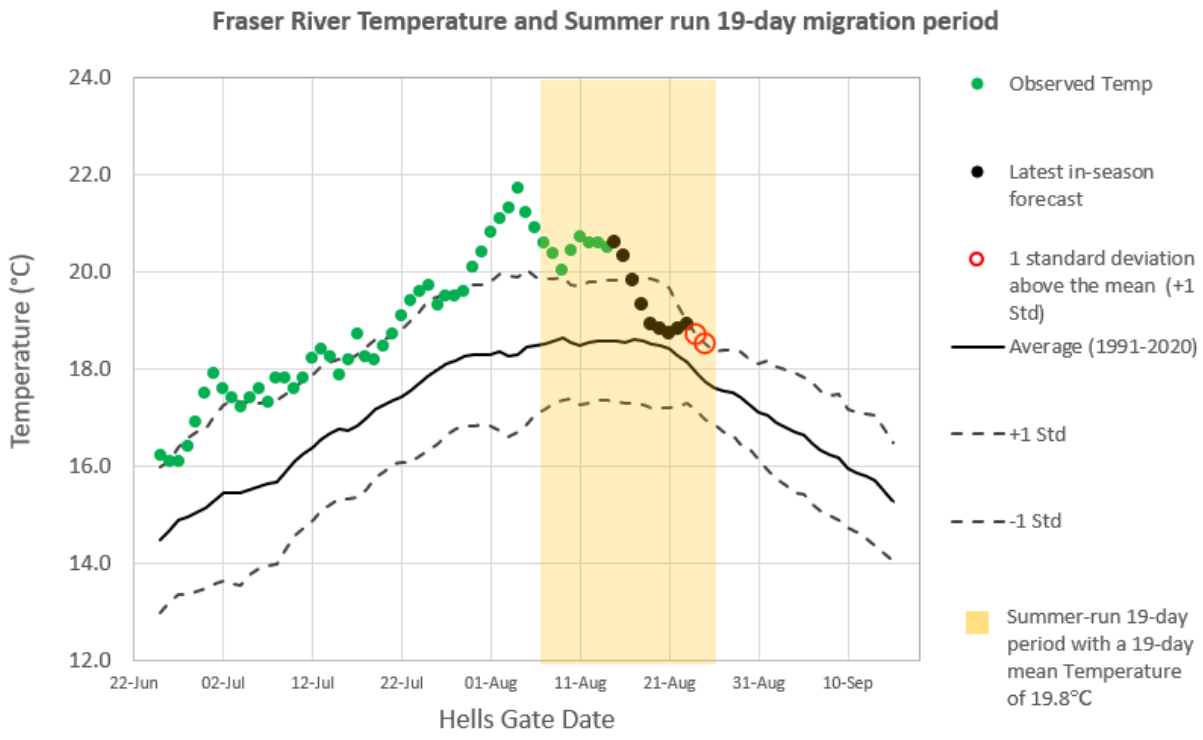


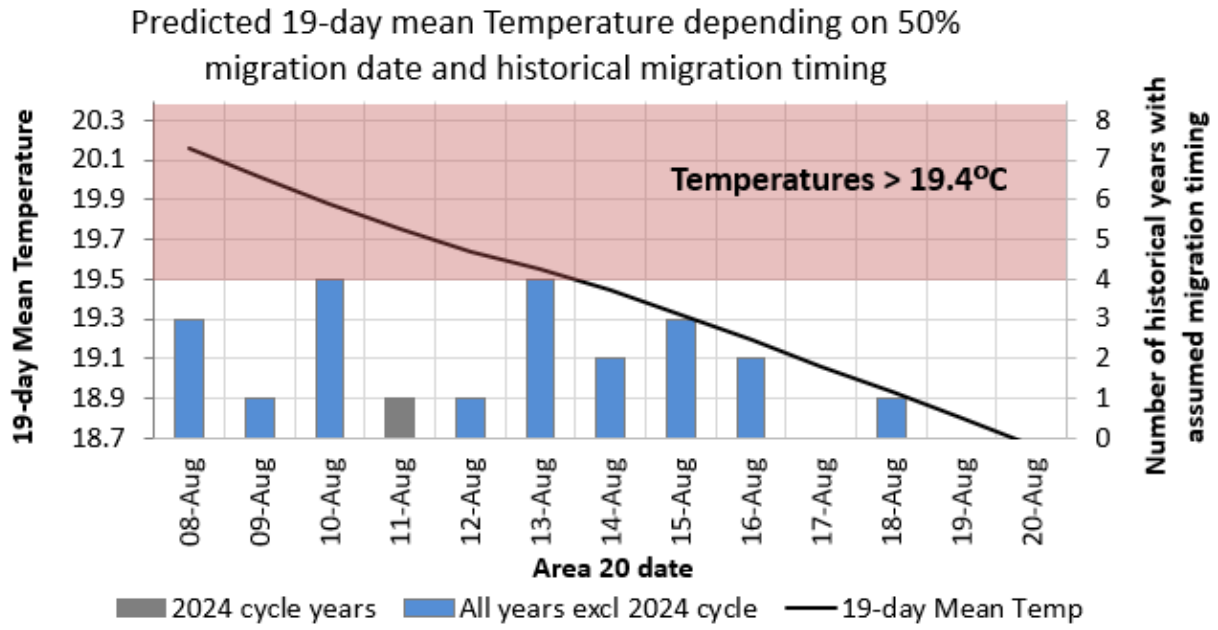
		Predicted pDBE	Implied pMA
In-season Method Threshold Approach	*If Temp ≤ 19.4°C, use the Preseason T&Q model estimate*	**-0.22**	0.28
	If Temp > 19.4°C, use the Median of high Temp (>19.4°C) years.	**-0.35**	0.54



Model Performance Based on the Retrospective of the "In-season pDBE Method"					Best if Temp ≤ 19.4 °C	Best If Temp > 19.4 °C		
Area 20 Date	Hells Gate Date	Average Temperature ºC	Average Discharge m^3/s	Current Adopted pDBE	Pre-season T&Q Model Predicted pDBE	Median of high Temp (>19.4 °C) years Predicted pDBE	All-Years Median (1977-2024) Predicted pDBE	Current 19-day Model Predictions Predicted pDBE
08-Aug	19-Aug	20.2	2315	-0.285	-0.22	-0.35	-0.08	-0.46
09-Aug	20-Aug	20.0	2285	-0.285	-0.22	-0.35	-0.08	-0.43
10-Aug	21-Aug	19.9	2265	-0.285	-0.22	-0.35	-0.08	-0.41
* 11-Aug	22-Aug	19.8	2243	-0.285	-0.22	-0.35	-0.08	-0.39
Implied pMA								
* 11-Aug	22-Aug	19.8	2243	0.40	0.28	0.54	0.09	0.64

*Currently adopted timing with 8 days of observed, 9 days of forecasted and 2 days of the +1 std Temp data.


Fraser River Temperature and Summer run 19-day migration period
Temperature (°C)
24.0
22.0
20.0
18.0
16.0
14.0
12.0
22-Jun
02-Jul
12-Jul
22-Jul
01-Aug
11-Aug
21-Aug
31-Aug
10-Sep
Hells Gate Date
Observed Temp
Latest in-season forecast
1 standard deviation above the mean (+1 Std)
Average (1991-2020)
+1 Std
-1 Std
Summer-run 19-day period with a 19-day mean Temperature of 19.8°C


Predicted 19-day mean Temperature depending on 50% migration date and historical migration timing
19-day Mean Temperature
20.3
20.1
19.9
19.7
19.5
19.3
19.1
18.9
18.7
Temperatures > 19.4°C
Number of historical years with assumed migration timing
8
7
6
5
4
3
2
1
0
08-Aug
09-Aug
10-Aug
11-Aug
12-Aug
13-Aug
14-Aug
15-Aug
16-Aug
17-Aug
18-Aug
19-Aug
20-Aug
Area 20 date
2024 cycle years
All years excl 2024 cycle
19-day Mean Temp

Prediction of Late run Available Harvest based on run size and pDBE scenarios

Table 1. *Predicted Late run Available Harvest based on run size and pDBE scenarios. Available harvest is equal to Run size minus the SET, MA and TF deduction. AFE has not been removed.*

			**Median of the Non-Dominant years					
			-61%	-50%	-49%	-45%	-40%	-35%
			1.56	1	0.96	0.82	0.67	0.54
	Run Size	SET	Available Harvest	Available Harvest	Available Harvest	Available Harvest	Available Harvest	Available Harvest
p75	**994,000**	497,000	0	0	14,300	83,900	158,500	223,100
p50	**467,600**	346,500	0	0	0	0	0	0
p25	**238,100**	238,100	0	0	0	0	0	0
Adopted	**700,000**	350,000	0	0	11,800	60,800	113,300	158,800
	1,000,000	500,000	0	0	14,500	84,500	159,500	224,500
	980,000	490,000	0	0	14,200	82,800	156,300	220,000
	960,000	480,000	0	0	13,800	81,000	153,000	215,400
	940,000	470,000	0	0	13,600	79,400	149,900	211,000
	920,000	460,000	0	0	13,200	77,600	146,600	206,400
	900,000	450,000	0	0	12,800	75,800	143,300	201,800
	880,000	440,000	0	0	12,600	74,200	140,200	197,400
	860,000	430,000	0	0	12,200	72,400	136,900	192,800
	840,000	420,000	0	0	11,900	70,700	133,700	188,300
	820,000	410,000	0	0	11,500	68,900	130,400	183,700
	800,000	400,000	0	0	11,300	67,300	127,300	179,300
	780,000	390,000	0	0	10,900	65,500	124,000	174,700
	760,000	380,000	0	0	10,500	63,700	120,700	170,100
	740,000	370,000	0	0	10,300	62,100	117,600	165,700
	720,000	360,000	0	0	9,900	60,300	114,300	161,100
	700,000	350,000	0	0	9,600	58,600	111,100	156,600
	680,000	346,500	0	0	0	45,000	97,000	142,000
	660,000	346,500	0	0	0	25,000	77,000	122,000
	640,000	346,500	0	0	0	5,200	57,200	102,200
	620,000	346,500	0	0	0	0	37,200	82,200
	600,000	346,500	0	0	0	0	17,300	62,400
	580,000	346,500	0	0	0	0	0	42,400
	560,000	346,500	0	0	0	0	0	22,500

Prediction of Late run Weighted pDBE based on the Birkenhead/Big Silver run size contribution

Table 2. *Prediction of Late run Weighted pDBE based on the Birkenhead/Big Silver run size contribution.Highlighted in blue is the current Late run runsize and the current proportion BiBS.*

		Birkenhead/Big Silver		Delaying Late run		
		All years Median (2003-2025) pDBE -0.23		Median of the Non-Dominant years pDBE -0.71		
	Late run Run Size	BiBS run size	BiBS %	Delaying Late-run run size	Delaying Late run %	**Late run Aggregate pDBE**
p25	**238,100**	43,323	18%	194,777	82%	**-0.62**
p50	**467,600**	96,985	21%	370,615	79%	**-0.61**
p75	**994,000**	240,696	24%	753,304	76%	**-0.59**
	700,000	70,000	10%	630,000	90%	**-0.66**
	700,000	105,000	15%	595,000	85%	**-0.64**
	700,000	140,000	20%	560,000	80%	**-0.61**
	700,000	175,000	25%	525,000	75%	**-0.59**
	700,000	210,000	30%	490,000	70%	**-0.57**
	700,000	245,000	35%	455,000	65%	**-0.54**
	700,000	280,000	40%	420,000	60%	**-0.52**
	700,000	315,000	45%	385,000	55%	**-0.49**
	700,000	350,000	50%	350,000	50%	**-0.47**
	700,000	385,000	55%	315,000	45%	**-0.45**
	700,000	420,000	60%	280,000	40%	**-0.42**
	700,000	455,000	65%	245,000	35%	**-0.40**
	700,000	490,000	70%	210,000	30%	**-0.37**
	700,000	560,000	80%	140,000	20%	**-0.33**
	700,000	595,000	85%	105,000	15%	**-0.30**
	700,000	630,000	90%	70,000	10%	**-0.28**

5eiii. Current temperatures in areas of the Fraser Watershed

Map #	Current Temperatures 13-Aug	Daily Mean	Historic Mean	Deviation from Historical Mean	Historic Year Range
	Fraser River Mainstem				
1	Fraser River @ Qualark	**20.6**	**18.6**	**2.0**	**1991-2020**
2	Fraser River @ Texas Creek	**na**	**18.4**	**na**	**2006-2024**
3	Fraser River @ Marguerite	**19.6**	**18.4**	**1.2**	**2015-2024**
4	Upper Fraser @ Shelley	**na**	**15.3**	**na**	**1994-2024**
	Fraser River Tributaries				
5	Thompson R. @ Ashcroft	**20.6**	**18.6**	**2.0**	**1995-2024**
6	South Thompson @ Chase	**22.2**	**19.7**	**2.5**	**1994-2024**
7	North Thompson @ McLure	**18.5**	**15.7**	**2.8**	**2006-2023**
8	Quesnel R. @ Quesnel	**18.1**	**16.9**	**1.2**	**2000-2024**
9	Nechako R. @ Isle Pierre	**19.2**	**18.8**	**0.4**	**2006-2024**
10	Stuart R. @ Ft. St. James	**19.0**	**18.8**	**0.2**	**2000-2024**

5eiv. TNG Taskforce update

Summary of TNG-led Emergency Salmon Task Force Weekly Data August 5 – August 11, 2025

For the complete weekly report please see the FRTC distribution: 2025 08 14 Distribution.pdf

Key observations from this week include:

- Salmon passage continues past the slide and passage rates (number of fish per day) have increased substantially for salmon 50 to 64 cm in length, peaking at 16,212 on August 11, 2025 (Section 2.1). A cumulative total of 52,778 salmon have been counted since the start of the program on June 25, 2025, with 42,318 salmon counted during Week #7 (August 05 – August 11, 2025). Sockeye Salmon are being caught at the Hanceville dip netting platform (10 Sockeye in 3 hours) with body lengths falling within our 50 to 64 cm salmon size bin.

- Daily mean turbidity in the Chilcotin River downstream of the slide site (Farwell Canyon) dropped below 100 NTU on August 10, 2025, the lowest daily mean measured at the station since late May 2025. Turbidity in Farwell Canyon is now ~70 NTU higher than upstream of the slide site (Hanceville) (Section 3.1).

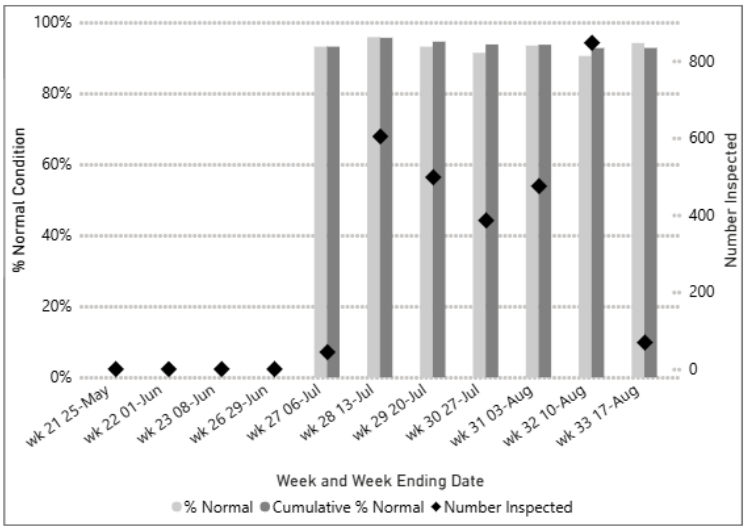
- Turbidity in the Fraser River downstream of the Chilcotin River confluence (Gang Ranch) is ~10 NTU higher than upstream of the Chilcotin River confluence (Sheep Creek) as indicated by turbidity monitoring (Section 3.2). Both Fraser River turbidity stations were serviced on August 08, 2025, and are operational again.

5ev. Report on Fish Condition

Date of Power BI Report	Latest Data Entry Date
14-Aug-25 09:27	13-Aug-25 00:00

Mid-Fraser Biological Condition and Number of Sockeye Inspected

Sockeye health observations are collected during patrols (Helicopter, Boat, Vehicle, Foot, and Access) and when either harvested sockeye or sockeye migration in the river is observed. Qualark reports are included as well.
This information is updated twice a week in-season, generally for mid-day Tuesdays and Thursdays.
Data is in-season and subject to change as addition information is received and analyses are reviewed
Normal Condition Fish do not show evidence of any marks (e.g. no marks on gill and body, no hook marks or open wounds)



Observations by Week

Row Labels	Observations
wk 22 01-Jun	No fish observed
wk 23 08-Jun	No fish observed
wk 24 15-Jun	No Monitoring
wk 26 29-Jun	No fish observed
wk 27 06-Jul	No fish observed
wk 28 13-Jul	48 fish holding - Kanaka Creek
wk 29 20-Jul	200 fish holding - Bridge River
wk 30 27-Jul	8 fish holding - Kanaka Creek
wk 31 03-Aug	200 fish holding - Bridge River;Many SK observed migrating;500 fish holding - Bridge River;
wk 32 10-Aug	1000 @ Stein; 700 @ Skuzzy; Observed fish appear healthy

Sample Size by Site

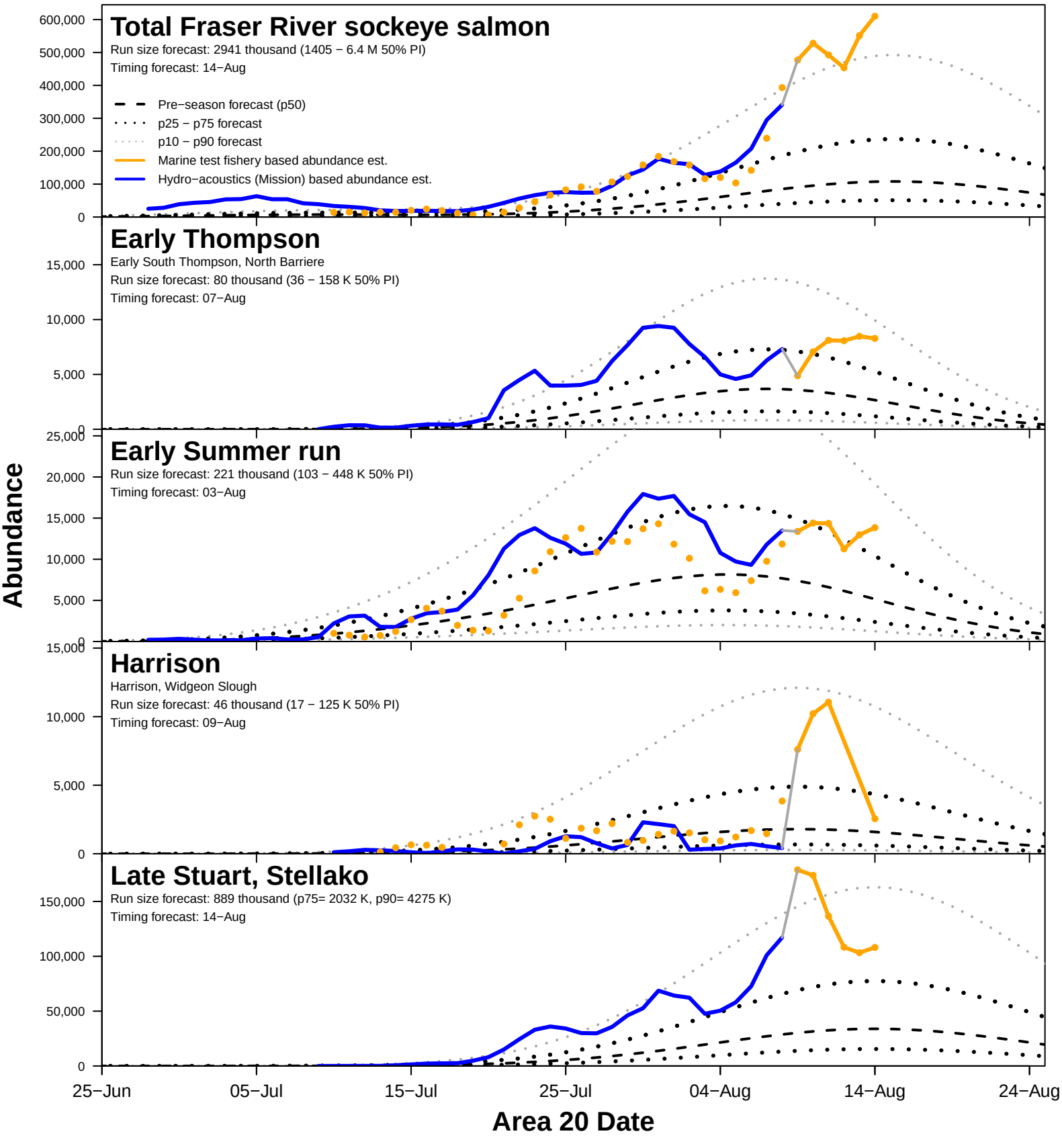
Week and Week End Date	D01	D02	D03	D04	D06	D07a	D08	D09	D10	D11	D14	Qualark	Total
wk 33 17-Aug				0								69	69
wk 32 10-Aug				84				0	3		11	749	847
wk 31 03-Aug	0	12	9	0				0		0	4	450	475
wk 30 27-Jul				0								386	386
wk 29 20-Jul	0			0						0	10	488	498
wk 28 13-Jul	0			0								604	604
Total	0	12	9	84				0	3	0	25	2,790	2,923

5evi. Spawning ground reports

Table 1. Fraser River Sockeye escapement - 2025 in-season update # 4.

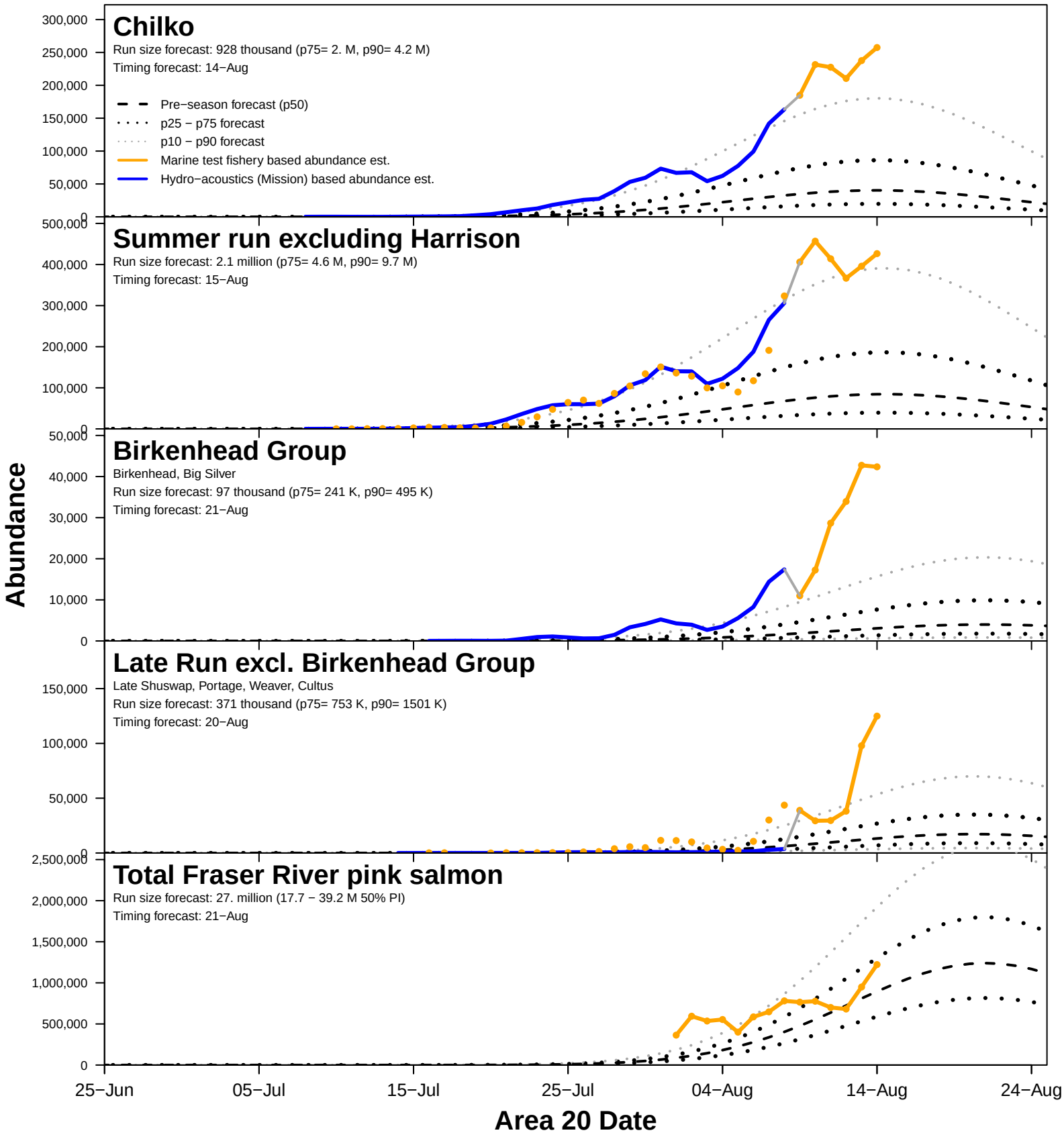
Stock	Survey Method	Start Date	End Date	No. to Date	Spawning	Water Temp.	Water Condition	Fish Condition
EARLY STUART								
Early Stuart	Visual survey	20-Jul	Ongoing		Past peak spawn, beginning of die-off	7.8-19	Low to modertate water levels	Appear healthy with some pre-spawning
EARLY SUMMER								
Nadina River	Hydroacoustics	29-Jul	Ongoing	1,428	Migrating	16.7		
Upper Chilliwack	Visual survey	5-Aug	Ongoing		Migrating	11-12	Moderate water levels	Appear healthy
SUMMER								
Chilko River	Hydroacoustics	07-Aug	Ongoing	153	Migrating	15	Moderate water levels	
Quesnel River	Hydroacoustics	07-Aug	Ongoing	4,136	Migrating	16.1	Moderate water levels	
Stellako River (including Nadina)	Hydroacoustics	25-Jul	Ongoing	9,138	Migrating	18	Moderate water levels	
LATE								
Cultus Lake	Fence	30-Jul	Ongoing	1	Migrating	25.5		

6a. 2025 Fraser River sockeye salmon daily migration



Date: 2025−08−15, Time: 10:19 DB

6a. 2025 Fraser River sockeye salmon daily migration



Date: 2025−08−15, Time: 10:19 DB

6b. 2025 Fraser River sockeye abundance en-route to Mission

Current date: 15-Aug

Area 20 date / Mission date	Escapement past Mission through 14-Aug	Projected abundance en route to Mission based on marine test fishery data[1,2] 09-Aug / 15-Aug	10-Aug / 16-Aug	11-Aug / 17-Aug	12-Aug / 18-Aug	13-Aug / 19-Aug	14-Aug / 20-Aug	Total	80% PI[3] 10p	80% PI[3] 90p	Escapement + projections through 20-Aug
Total Fraser	**3,122,900**	**506,200**	**476,100**	**534,800**	**429,900**	**382,600**	**837,200**	**3,166,800**	**1,922,200**	**4,610,400**	**6,289,700**
Early Stuart	**731,900**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**731,900**
Early Summer Run	**275,000**	**14,000**	**11,900**	**14,400**	**11,600**	**10,200**	**17,500**	**79,600**	**39,000**	**164,800**	**354,600**
Chilliwack	4,300	0	0	0	0	0	0	0	0	0	4,300
Pitt/Alouette/Coquitlam	14,600	400	600	400	300	0	0	1,700	800	3,500	16,300
Nadina group[4]	147,400	8,600	5,600	4,700	2,400	4,200	6,900	32,400	15,900	67,100	179,800
Early Thompson[5]	108,700	5,000	5,700	9,300	8,900	6,000	10,600	45,500	22,300	94,200	154,200
Summer Run	**2,038,100**	**445,700**	**442,300**	**461,900**	**331,900**	**304,000**	**553,700**	**2,539,500**	**1,549,100**	**3,656,900**	**4,577,600**
Harrison / Widgeon[2]	15,000	8,500	14,100	8,000	0	0	5,100	35,700	21,800	51,400	50,700
Late Stuart / Stellako	896,500	195,100	159,100	147,900	92,700	80,800	135,300	810,900	494,600	1,167,700	1,707,400
Chilko	977,500	197,100	220,300	251,800	196,500	178,000	336,700	1,380,400	842,000	1,987,800	2,357,900
Quesnel	126,100	35,600	38,400	39,500	29,900	36,900	58,600	238,900	145,700	344,000	365,000
Raft / North Thompson	23,000	9,400	10,400	14,700	12,800	8,300	18,000	73,600	44,900	106,000	96,600
Late Run	**77,900**	**46,500**	**21,900**	**58,500**	**86,400**	**68,400**	**266,000**	**547,700**	**334,100**	**788,700**	**625,600**
Birkenhead / Big Silver	66,100	7,700	12,100	28,900	43,300	29,000	55,700	176,700	107,800	254,400	242,800
Late Shuswap / Portage[2]	8,000	17,700	3,100	7,200	12,900	16,500	49,700	107,100	65,300	154,200	115,100
Weaver / Cultus[2]	3,800	21,100	6,700	22,400	30,200	22,900	160,600	263,900	161,000	380,000	267,700

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

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

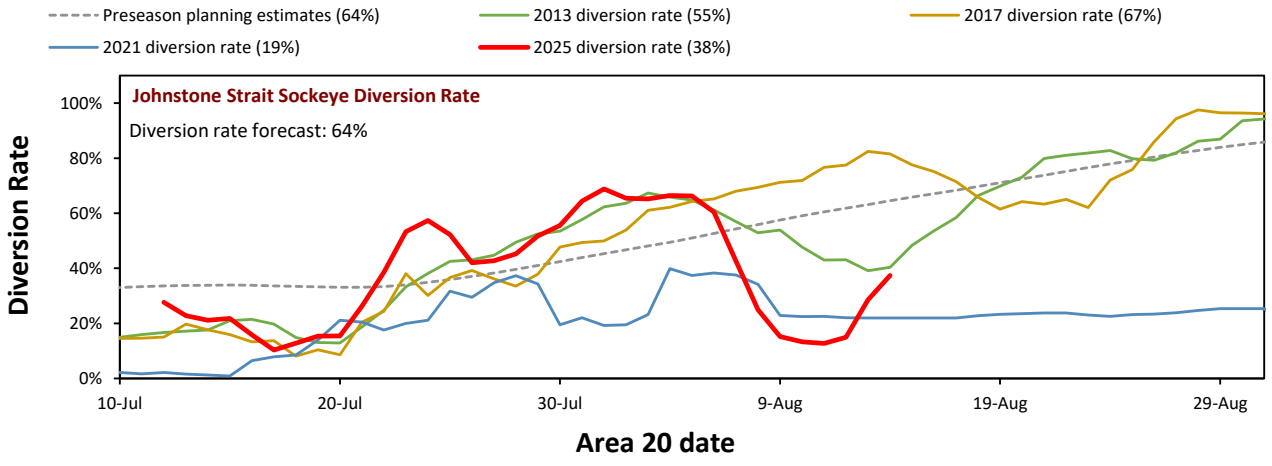
[3] 80% Probability Interval: there exists an 80% chance that the true abundance lies within this interval

[4] Nadina / Bowron / Gates / Nahatlatch / Taseko

[5] Early South Thompson / North Barriere

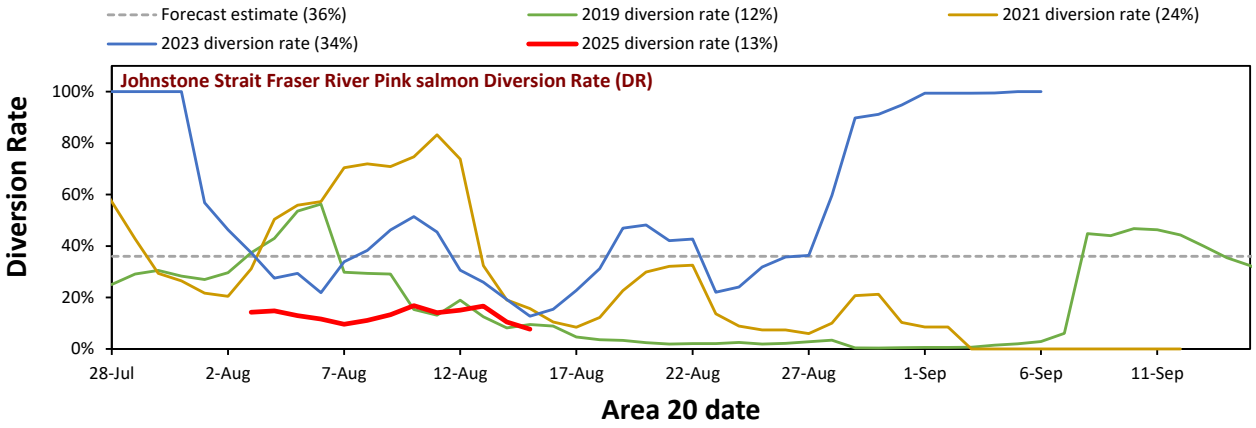
6c. 2025 Fraser River sockeye diversion rates through Johnstone Strait

	5-day-average
Diversion rate	**37%**



2025 Fraser River Pink salmon diversion rates through Johnstone Strait

	5-day-average
Fraser pink salmon	**10%**



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] 10% PI	Inseason 80% PIs[2] 90% PI	Method	Catch + Escapement	6-day Projection[3]	Seaward Abundance	Migration Delay	Inseason Adopted	Preseason Forecast	Inseason estimate	Inseason 80% PIs[2] 10% PI	Inseason 80% PIs[2] 90% PI	Method
Total Fraser sockeye	**6,615,000**	**2,941,000**	◇	**9,644,000**	***5,368,000***	***17,355,000***	**Sum**	**3,498,000**	**2,230,000**	**3,785,000**	**132,000**		**14-Aug**				
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***	**50% Date**
Early Summer Run	**390,000**	**221,000**	●	**404,000**	***345,000***	***474,000***	**Sum**	**297,000**	**66,000**	**42,000**	**0**	**01-Aug**	**03-Aug**	**01-Aug**	***31-Jul***	***03-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	●	208,000	*180,000*	*248,000*	Recon(2)	157,000	32,000	19,000	0		31-Jul	31-Jul	*28-Jul*	*01-Aug*	50% Date
Pitt/Alouette/Coquitlam		46,000	▲	23,000	*19,000*	*30,000*	Recon(2)	16,000	5,000	3,000	0		04-Aug	06-Aug	*31-Jul*	*06-Aug*	50% Date
Early Thompson[5]		80,000	●	169,000	*142,000*	*192,000*	Recon(2)	120,000	29,000	20,000	0		07-Aug	02-Aug	*02-Aug*	*07-Aug*	50% Date
Summer Run	**4,800,000**	**2,136,000**	◇	**7,491,000**	***3,489,000***	***11,066,000***	**Sum (Model)**	**2,350,000**	**1,686,000**	**3,455,000**	**0**	**11-Aug**	**15-Aug**	**14-Aug**	***11-Aug***	***17-Aug***	**Weight**
Harrison / Widgeon		46,000	◇	60,000	*34,000*	*113,000*	Model	18,000	12,000	30,000	0		09-Aug	06-Aug	*02-Aug*	*12-Aug*	Model
Late Stuart / Stellako		889,000	◇	2,935,000	*1,475,000*	*4,262,000*	Recon(2)	1,028,000	633,000	1,275,000	0		14-Aug	14-Aug	*11-Aug*	*17-Aug*	Model
Chilko/Quesnel		1,188,000	◇	4,431,000	*1,970,000*	*6,625,000*	Recon(2)	1,303,000	1,004,000	2,124,000	0		15-Aug	14-Aug	*12-Aug*	*17-Aug*	Model
Raft / North Thompson		14,000	◇	65,000	*28,000*	*66,000*	p90 Forecast	28,000	37,000	0	0		23-Aug	23-Aug	*16-Aug*	*30-Aug*	p90 Forecast
Late Run	**700,000**	**468,000**	◇	**1,013,000**	***798,000***	***5,079,000***	**Sum**	**115,000**	**478,000**	**288,000**	**132,000**	**16-Aug**	**20-Aug**	**20-Aug**	***15-Aug***	***24-Aug***	**Weight**
Birkenhead Group		97,000	◇	480,000	*388,000*	*2,122,000*	Model (Mode)	85,000	178,000	217,000	0		21-Aug	21-Aug	*17-Aug*	*25-Aug*	Model
L.Shuswap / Weaver Gr.		371,000	◇	533,000	*410,000*	*2,957,000*	Model (Mode)	30,000	300,000	71,000	132,000		20-Aug	19-Aug	*14-Aug*	*24-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
50% Date	Double the reconstructed abundance observed at the assumed 50% date
Sum	Sum of individual groups
Weight	Weighted average of individual groups

Run Size Uncertainty Legend†

✓ ≥ 95% of the run size has been accounted for in catch + escapement. The CV associated with the run size is < 5%. Clear indication of run size; minor run size updates still expected

● ≥ 70% of the run size has been accounted for in catch + escapement. The CV associated with the run size is < 20%. Good indication of run size; peak fo the run has been observed at Mission, uncertainty relates to 6 day projection and seaward abundance

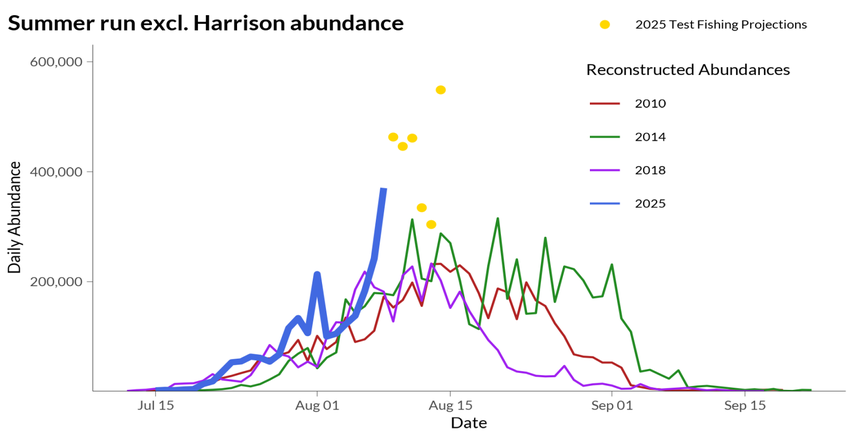
▲ ≥ 50% of the run size has been accounted for in catch + escapement. The CV associated with the run size is < 35%. Decent indciation of run size.

◇ < 50% of the run size has been accounted for in catch + escapement. The CV associated with the run size can be as high as 80%. Uncertain or early indciation of run size based on marine data

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

Run size forecasts by management group

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



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 15-08-2025

<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	>20M	yes
SST Regression	☐	June SST (ocean entry yr) at Pine Island	10-15M	no
Average CPUE	☐	Short-term average CPUE vs. run size	>20M	yes

6h. Fishery Catch Evaluation

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

	Number of Days	Total Fraser Sockeye Catch			Catch by Management Group			
		Total Catch	Prediction Intervals 10%	Prediction Intervals 90%	Early Stuart	Early Summer	Summer	Late
Additional Proposed Fisheries								
Area 4B, 5, 6C - Treaty Tribes - Gillnet	4	2,091	1,504	4,440	0	33	1,629	429
Area 6, 7, 7A - Treaty Tribes - Purse Seine	3	55,213	27,927	97,065	0	1,175	44,357	9,682
Area 6, 7, 7A - Treaty Tribes - Gillnet	3	94,651	47,875	166,396	0	2,014	76,040	16,597
Area 6, 7, 7A - All Citizen - Purse Seine	1	12,221	3,735	24,365	0	228	9,698	2,295
Area 6, 7, 7A - All Citizen - Gillnet	1	6,111	1,868	12,183	0	114	4,849	1,147
Area 7 - All Citizen - Reefnet	1	2,815	295	16,433	0	54	229	523
Total (excluding fisheries in-progress)[2]		**173,102**	**83,204**	**320,882**	**0**	**3,618**	**136,802**	**30,673**

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

6h. Fishery Catch Evaluation

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

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

Dates: Saturday August 16 to Tuesday August 19

Effort: 5

Daily Catch Estimate

A total of 2,091 Fraser Sockeye are expected to be retained with an 80% prediction interval of 1,504 - 4,440.

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 16	569	0	10	451	108
Aug 17	541	0	9	423	109
Aug 18	509	0	7	394	108
Aug 19	472	0	6	361	105
Total	**2,091**	**0**	**33**	**1,629**	**429**

Abundances in Fishing Area

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

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 16	98,715	0%	1.8%	79%	19%
Aug 17	93,771	0%	1.6%	78%	20%
Aug 18	88,247	0%	1.4%	77%	21%
Aug 19	81,864	0%	1.3%	76%	22%
Total	**362,597**	**0%**	**1.6%**	**78%**	**20%**

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

Further details on the methods used to estimate area specific abundances and catchabilties are available on the FRP SharePoint site.

Sockeye Fishery Catch History

The following table shows catch history for the current year. The average effort for this time period was 2 and the average harvest rate per unit effort was 0.1%.

Date	Fraser Sockeye	Harvest Rate	Effort	Harvest Rate/Effort
Aug 08	554	0.41%	2	0.21%
Aug 09	154	0.08%	2	0.04%
Aug 10	542	0.24%	2	0.12%
Aug 11	118	0.05%	2	0.03%
Total	**1,368**	**0.18%**	**8**	**0.02%**

6h. Fishery Catch Evaluation

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

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

Dates: Tuesday August 19 to Tuesday August 19

Effort: 15

Daily Catch Estimate

A total of 6,111 Fraser Sockeye are expected to be retained with an 80% prediction interval of 1,868 - 12,183.

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 19	6,111	0	114	4,849	1,147
Total	**6,111**	**0**	**114**	**4,849**	**1,147**

Abundances in Fishing Area

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

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 19	394,908	0%	2%	79%	19%
Total	**394,908**	**0%**	**2%**	**79%**	**19%**

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

Further details on the methods used to estimate area specific abundances and catchabilties are available on the FRP SharePoint site.

Date	Fraser Sockeye	Harvest Rate	Effort	Harvest Rate/Effort
Aug 12	2,397	0.4%	20	0.02%
Total	**2,397**	**0.4%**	**20**	**0.02%**

Sockeye Fishery Catch History

The following table shows catch history for the current year. The average effort for this time period was 20 and the average harvest rate per unit effort was 0.02%.

6h. Fishery Catch Evaluation

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

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

Dates: Sunday August 17 to Tuesday August 19

Effort: 60

Daily Catch Estimate

A total of 94,651 Fraser Sockeye are expected to be retained with an 80% prediction interval of 47,875 - 166,396.

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 17	38,709	0	900	31,372	6,438
Aug 18	31,499	0	658	25,272	5,570
Aug 19	24,443	0	456	19,397	4,590
Total	**94,651**	**0**	**2,014**	**76,040**	**16,597**

Abundances in Fishing Area

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

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 17	634,790	0%	2.3%	81%	17%
Aug 18	509,135	0%	2.1%	80%	18%
Aug 19	394,908	0%	1.8%	79%	19%
Total	**1,538,833**	**0%**	**2.1%**	**80%**	**18%**

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

Further details on the methods used to estimate area specific abundances and catchabilties are available on the FRP SharePoint site.

Sockeye Fishery Catch History

The following table shows catch history for the current year. The average effort for this time period was 49 and the average harvest rate per unit effort was 0.04%.

Date	Fraser Sockeye	Harvest Rate	Effort	Harvest Rate/Effort
Aug 10	9,768	2.78%	69	0.04%
Aug 11	5,755	1.22%	29	0.04%
Total	**15,523**	**1.88%**	**98**	**0.02%**

6h. Fishery Catch Evaluation

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

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

Dates: Tuesday August 19 to Tuesday August 19

Effort: 6

Daily Catch Estimate

A total of 12,221 Fraser Sockeye are expected to be retained with an 80% prediction interval of 3,735 - 24,365.

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 19	12,221	0	228	9,698	2,295
Total	**12,221**	**0**	**228**	**9,698**	**2,295**

Abundances in Fishing Area

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

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 19	394,908	0%	2%	79%	19%
Total	**394,908**	**0%**	**2%**	**79%**	**19%**

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

Further details on the methods used to estimate area specific abundances and catchabilties are available on the FRP SharePoint site.

Date	Fraser Sockeye	Harvest Rate	Effort	Harvest Rate/Effort
Aug 12	17,672	2.92%	9	0.32%
Total	**17,672**	**2.92%**	**9**	**0.32%**

Sockeye Fishery Catch History

The following table shows catch history for the current year. The average effort for this time period was 9 and the average harvest rate per unit effort was 0.32%.

6h. Fishery Catch Evaluation

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

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

Dates: Sunday August 17 to Tuesday August 19

Effort: 7

Daily Catch Estimate

A total of 55,213 Fraser Sockeye are expected to be retained with an 80% prediction interval of 27,927 - 97,065.

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 17	22,580	0	525	18,300	3,755
Aug 18	18,374	0	384	14,742	3,249
Aug 19	14,258	0	266	11,315	2,677
Total	**55,213**	**0**	**1,175**	**44,357**	**9,682**

Abundances in Fishing Area

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

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 17	634,790	0%	2.3%	81%	17%
Aug 18	509,135	0%	2.1%	80%	18%
Aug 19	394,908	0%	1.8%	79%	19%
Total	**1,538,833**	**0%**	**2.1%**	**80%**	**18%**

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

Further details on the methods used to estimate area specific abundances and catchabilties are available on the FRP SharePoint site.

Sockeye Fishery Catch History

The following table shows catch history for the current year. The average effort for this time period was 6.5 and the average harvest rate per unit effort was 1.03%.

Date	Fraser Sockeye	Harvest Rate	Effort	Harvest Rate/Effort
Aug 10	29,341	8.34%	7	1.19%
Aug 11	24,629	5.2%	6	0.87%
Total	**53,970**	**6.54%**	**13**	**0.5%**

6h. Fishery Catch Evaluation

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

Fishery: Area 7 - All Citizen - Reefnet

Dates: Tuesday August 19 to Tuesday August 19

Effort: 10

Daily Catch Estimate

A total of 2,815 Fraser Sockeye are expected to be retained with an 80% prediction interval of 295 - 16,433.

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 19	2,815	0	54	2,239	523
Total	**2,815**	**0**	**54**	**2,239**	**523**

Abundances in Fishing Area

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

Date	Fraser Sockeye	Early Stuart	Early Summer	Summer	Late
Aug 19	327,342	0%	2%	80%	19%
Total	**327,342**	**0%**	**2%**	**80%**	**19%**

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

Further details on the methods used to estimate area specific abundances and catchabilties are available on the FRP SharePoint site.

Date	Fraser Sockeye	Harvest Rate	Effort	Harvest Rate/Effort
Aug 11	1,497	0.35%	8	0.04%
Aug 12	2,004	0.38%	8	0.05%
Total	**3,501**	**0.37%**	**16**	**0.02%**

Sockeye Fishery Catch History

The following table shows catch history for the current year. The average effort for this time period was 8 and the average harvest rate per unit effort was 0.04%.

7a Recommendations on Run Size, Timing, and MA

The following table presents the run size recommendations from PSC staff. These numbers may deviate from the model derived run size estimates as additional consideration is given to the potential strength of the tail of the run based on past observations. The Panel may either accept or reject the run size recommendations or propose alternative estimates. The run size estimates presented here may not reflect the final estimates adopted by the Fraser River Panel. The recommended timing estimates are dependent on the recommended run size estimates.

Management Group	PSC Staff Recommendation	Run Size		Timing	
		Currently Adopted	PSC staff recommendation	Currently Adopted	PSC Staff recommendation
Early Stuart Run	No recommendation	725,000	NA	06-Jul	NA
Early Summer Run	Recommendation	390,000	400,000	01-Aug	NA
Summer Run	Recommendation	4,800,000	7,500,000	11-Aug	14-Aug
Late Run	Recommendation	700,000	1,000,000	16-Aug	20-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	Recommendation	-0.29	0.4	-0.22	NA
Late Run	Recommendation	-0.55	1.22	-0.48	NA

File: 71007

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

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. Tŝilhqot'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