



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

FRP meeting: Tuesday, July 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 and Big Bar		
☐	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		
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☐	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		
☐	h) Catch evaluation		
	7) Recommendations on run size, migration timing and MA		
☒	a) PSC recommendations		PSC staff
	b) Canadian and/or U.S. recommendations		Panel
	c) Panel decision		
	8) Fisheries recommendations		
	a) Canadian and U.S. proposals		Panel
	b) Staff evaluation		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: July 17		PSC staff
☒	13) Data acknowledgements		

Legend: ☒ Content included in the distribution

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

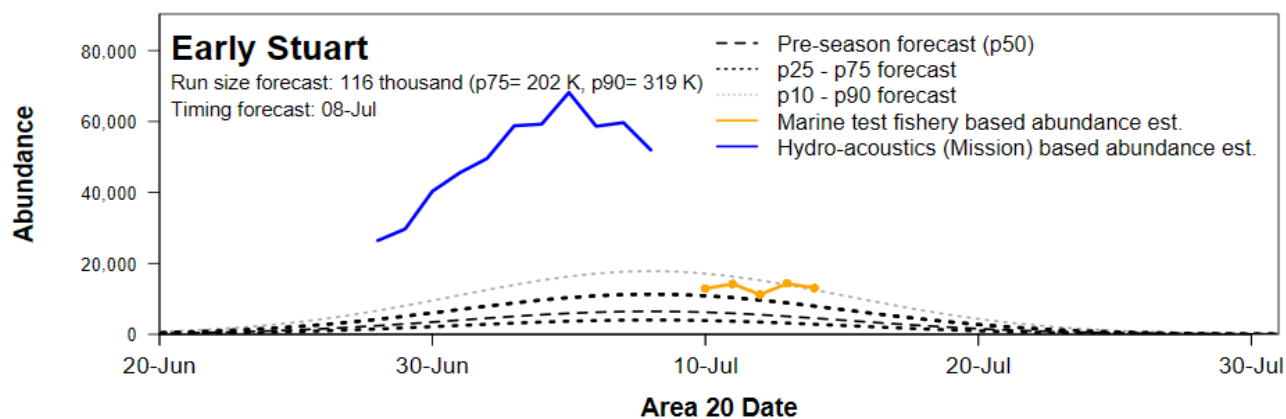
2025 Run status of Fraser sockeye and pink salmon

Date: Jul. 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: Jul. 13 - Jul. 19, 2025	Sockeye				
	Management Group				Total Fraser
	E.Stuart	E.Summer	Summer	Late	
Mission passage (incls Pitt, Alouette, Coquitlam)	544,800	2,700	0	0	547,500
Catch downstream of Mission	2,600	100	0	0	2,700
Accounted Run To Date	547,400	2,800	0	0	550,200
Run size adopted in-season ¹	na	na	na	na	na
Run size forecasted pre-season	116,000	221,000	2,136,000	468,000	2,941,000
Area 20 timing adopted in-season	na	na	na	na	na
Area 20 timing expected pre-season	8-Jul	3-Aug	15-Aug	20-Aug	14-Aug
Johnstone Str. Diversion Rate	In-season 5-day average				21%
	Preseason forecast of annual rate:				64%

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.



5a. Test fishing catches and acoustics summary

2025 Fraser Sockeye Test Fishing & Escapement Summary

Area/Gear Location From A20			Fraser River								
	A12 GN Round Is (-2 days)	A20 GN* 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 Method ⁴		Hells Gate Estimates ⁵ (+10 days)
24-Jun											
25-Jun				0	0.00						
26-Jun				0	0.00						
27-Jun				0	0.00						
28-Jun				0	0.00						
29-Jun				0	0.00						
30-Jun				0	0.00						
1-Jul				0	0.00		796	RB x 2			
2-Jul				0	0.00	3	1,610	RB x 2			
3-Jul				0	0.00	11	2,385	RB x 2			
4-Jul				3	0.29	13	2,284	RB + LB	14,200	A1+M2	30
5-Jul				45	3.56	10	2,570	RB + LB	39,100	A1+M2	No Count
6-Jul				51	4.14	9	4,556	RB + LB	36,400	A1+M2	590
7-Jul				43	3.50	47	22,629	RB + LB	46,400	A1+M2	1,250
8-Jul	40			17	1.48	98	37,945	RB + LB	54,400	A1+M2+A2	20,110
9-Jul	18			16	1.50	91	42,111	RB + LB	48,200	A1+M2+A2	28,600
10-Jul	69	302	207	58	4.65	128	42,275	RB + LB	73,700	A1+M2+A2	26,210
11-Jul	8	100	304	64	4.90	110	42,915	RB + LB	56,000	A1+M2+A2	No Count
12-Jul	26	254	312	16	1.39	73	46,027	RB + LB	75,400	A1+M2+A2	22,840
13-Jul	35	113	270	23	1.95	82	38,264	RB + LB	45,000	A1+M2+A2	24,130
14-Jul	59	330	57	10	0.96				58,600	A1+M2+A2	33,200
15-Jul											
16-Jul											

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

² Qualark source:

RB x 2 = Right-bank (RB) x 2

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

³ Mission escapement estimate - does not include Pitt

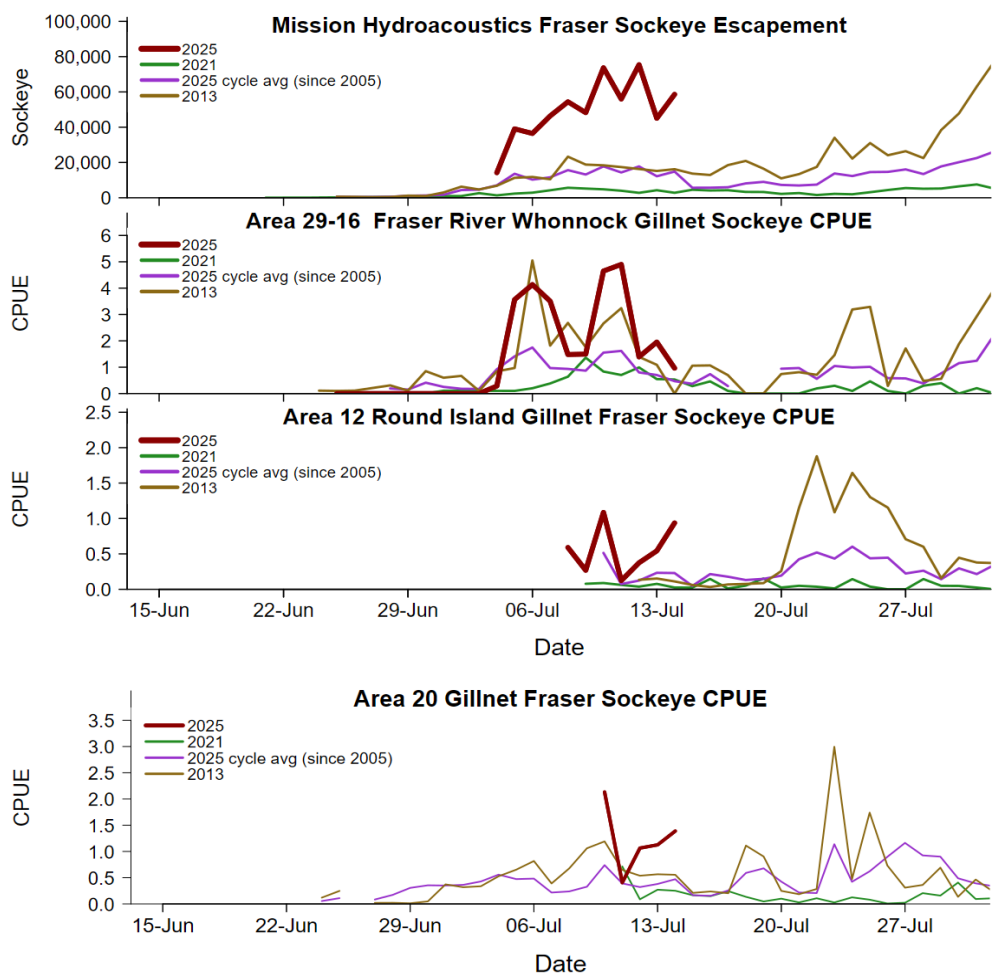
⁴ Mission Source:

A1+M2 = Left bank ARIS (A1) + Mobile ARIS (M2)

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

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

* Two vessels fishing



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			
						Early Stuart	Nadina Bowron Pitt Gates Alouette Nahat-latch Coquitlam Taseko				Early Summer sub-total	Harri-son Widg-eon		Late Stuart Stellako	Chilko Ques-nel	Raft North Thomp-son	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		Chilli-wack																	
Johnstone Strait & Queen Charlotte Strait																								
A12 gn	tf	Jul8-9	DNA	55	51%	98%							2%			2%				0%	NA			
A12 gn	tf	Jul10-11	DNA	79	50%	100%										0%				0%	93%			
Juan de Fuca Strait & Washington & Other																								
A20 gn	tf	Jul 10	DNA	113	95%	90%	1%		7%	1%	9%	1% 0%			1%				0%	NA				
A20 gn	tf	Jul 11	DNA	99	78%	92%		3%	5%		8%				0%				0%	96%				
A20 gn	tf	Jul 12	DNA	100	93%	88%		2%	4%		6%	4% 1%			5%				0%	92%				
In-river																								
AB gn	tf	Jul8-10	DNA	81	100%	100%						0%						0%				0%	100%	
AB gn	tf	Jul11-13	DNA	84	100%	99%	1%						1%						0%				0%	100%
BB gn	tf	Jul10-11	DNA	98	100%	99%	1%					1%						0%				0%	100%	
BB gn	tf	Jul 12	DNA	48	100%	100%						0%						0%				0%	100%	

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

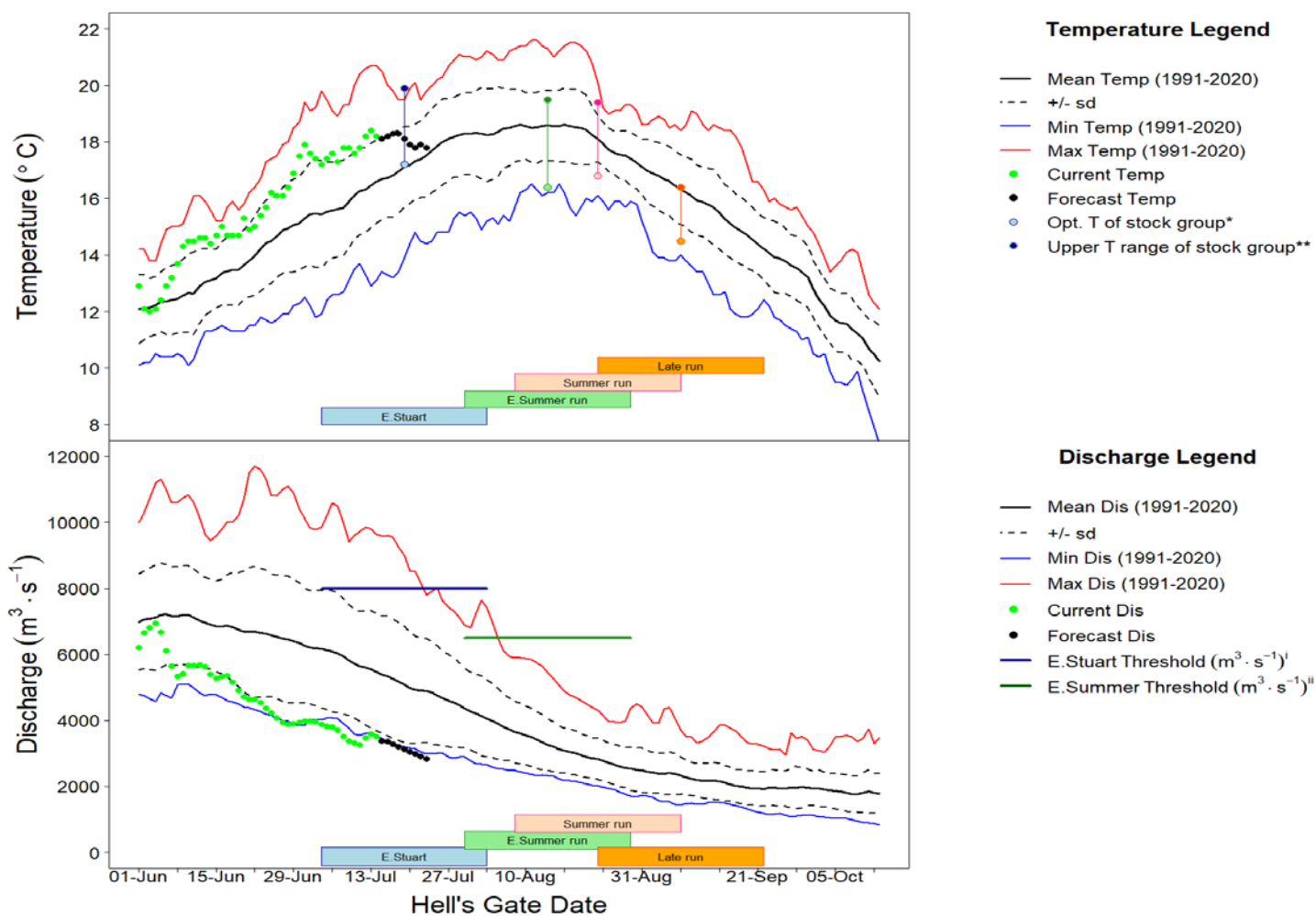
⁴ Further information relating stock group descriptions to spawning ground locations and population definitions can be found at http://www.psc.org/FRPWeb/Escapement/PSC_Fraser_Sockeye_Stock_Group_Definitions.pdf

Results in grey text have been presented to the Panel previously

Fraser River Environmental Report for July 14, 2025

Observed Fraser River Temperature at Qualark for 14-Jul	18.2°C
Average (1991-2020) Historical Temperature on this day	16.7°C
Deviation from Average	1.5°C
Forecast Temperature for 20-Jul-25	17.9°C
The forecast in Kamloops and Prince George is for variable temperatures	

Observed Fraser River Discharge at Hope for 14-Jul	3514 m ³ ·s ⁻¹
Average (1991-2020) Historical Discharge on this day	5462 m ³ ·s ⁻¹
% above or below Historical Discharge	-36%
Forecast Discharge for 20-Jul-25	3056 m ³ ·s ⁻¹
The forecast in Kamloops and Prince George is for 49 mm and 15 mm precipitation, respectively.	



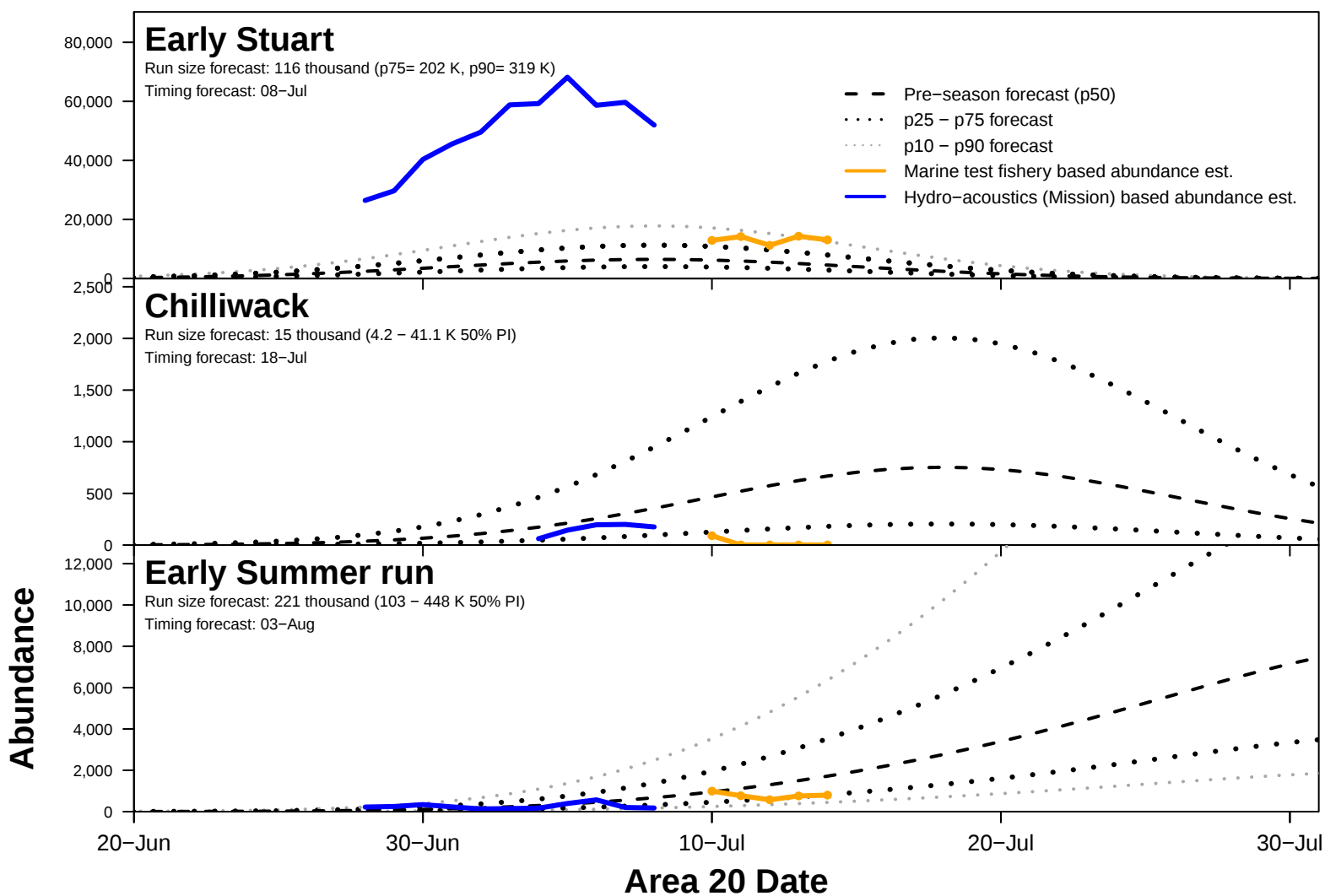
Run timing bars represent a 31 day spread of the run centered around the Hell's Gate date. Hell's gate timing is 5 days from Mission for Early Stuart and Late run; and 4 days from Mission for Early Summer and Summer run.ⁱpMA is the proportional increase to spawning escapement targets to help ensure targets are achieved.ⁱⁱ%DBE is %difference between estimates of potential spawning escapement and spawning escapement.*This is the optimum temp for aerobic swimming - T_{opt} (Eliason et al. (2011). Science 332: 109-112)**This is the upper range of the optimum temp for aerobic swimming - T_{pejus}.ⁱDischarge threshold of 8000cms for Early Stuart from Macdonald (2000). Can. Tech. Rep. Fish. Aquat. Sci. 2315: 120p. ⁱⁱDischarge threshold of 6500cms for Early Summer run from Macdonald et al. (2010). Trans. Am. Fish. Soc. 139: 768-782. 19 days of T & Q data are required to calculate a pMA - 15 days before the Hell's Gate Date and 3 days after. MA estimates can be calculated 4 days after the Area 20 date.

Seiii. Current temperatures in areas of the Fraser Watershed

Current Temperatures					
Map #	13-Jul	Daily Mean	Historic Mean	Deviation from Historical Mean	Historic Year Range
<u>Fraser River Mainstem</u>					
1	Fraser River @ Qualark	18.4	16.5	1.9	1991-2020
2	Fraser River @ Texas Creek	17.2	16.6	0.6	2006-2024
3	Fraser River @ Marguerite	16.6	16.9	-0.3	2015-2024
4	Upper Fraser @ Shelley	13.6	13.8	-0.2	1994-2024
<u>Fraser River Tributaries</u>					
5	Thompson R. @ Ashcroft	17.4	15.8	1.6	1995-2024
6	South Thompson @ Chase	18.4	16.5	1.9	1994-2024
7	North Thompson @ McLure	15.9	13.6	2.3	2006-2023
8	Quesnel R. @ Quesnel	16.7	14.4	2.3	2000-2024
9	Nechako R. @ Isle Pierre	17.3	18.7	-1.4	2006-2024
10	Stuart R. @ Ft. St. James	16.4	17.6	-1.2	2000-2024



6a. 2025 Fraser River sockeye salmon daily migration



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	116,000	NA	08-Jul	NA
Early Summer Run	No recommendation	220,000	NA	03-Aug	NA
Summer Run	No recommendation	2,137,000	NA	15-Aug	NA
Late Run	No recommendation	468,000	NA	20-Aug	NA
Pink Salmon Run	No recommendation	27,000,000	NA	21-Aug	NA

PSC staff recommends pDBE estimates which will be converted into MA estimates for consideration by the Panel. The Panel may either accept or reject the MA estimates associated with the pDBE recommendations or propose alternative estimates, by incorporating additional information that is 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 associated pMA estimate			
		Currently Adopted		PSC recommendation	
		pDBE	pMA	pDBE	pMA
Early Stuart Run	No recommendation	-0.54	1.17	NA	NA
Early Summer Run	No recommendation	-0.35	0.54	NA	NA
Summer Run	No recommendation	-0.22	0.28	NA	NA
Late Run	No recommendation	-0.61	1.56	NA	NA



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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