



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

FRP meeting: Friday, September 5, 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: 2-day extension of BB test fishery?, Weekly Report	5 min	Panel
☒	11) Next FRP meeting and agenda	2 min	PSC staff/Panel
	12) Next TC meeting: September 11		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

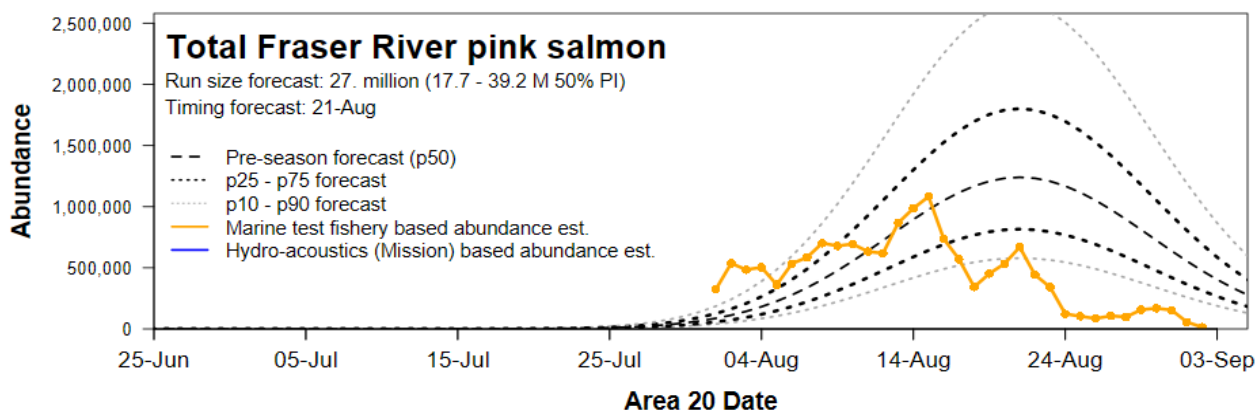
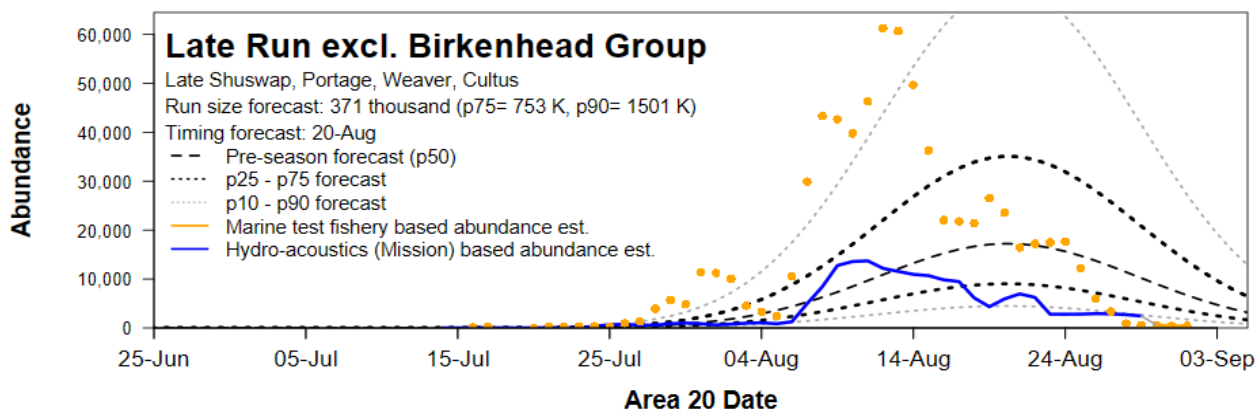
2025 Run status of Fraser sockeye and pink salmon

Date: Sep. 5, 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. 31 - Sep. 6, 2025	Sockeye				Pink	
	Management Group				Total Fraser	Total Fraser
	E.Stuart	E.Summer	Summer	Late		
Mission passage (inclds Pitt, Alouette, Coquitlam)	731,900	374,700	6,052,900	555,200	7,714,700	9,527,000
Catch downstream of Mission	3,900	34,600	762,900	113,700	915,100	1,038,300
Accounted Run To Date	735,800	409,300	6,815,800	668,900	8,629,800	10,565,300
Run size adopted in-season ¹	725,000	400,000	7,000,000	1,150,000	9,275,000	12,500,000
Run size forecasted pre-season	116,000	221,000	2,136,000	468,000	2,941,000	26,965,000
Area 20 timing adopted in-season	6-Jul	1-Aug	11-Aug	14-Aug	11-Aug	13-Aug
Area 20 timing expected pre-season	8-Jul	3-Aug	15-Aug	20-Aug	14-Aug	21-Aug
Johnstone Str. Diversion Rate					Annual average to date	45%
					Preseason forecast of annual rate:	64%
						12%
						36%

¹ Run sizes are usually not adopted until after the peak of the run has passed through marine test fishery areas in Juan de Fuca and Johnstone straits.



4b. Catch-to-date by fishery

2025 Catch-to-date by fishery

Date: Sep. 5, 2025

Week of: Aug. 31 - Sep. 6, 2025		Sockeye		Pink	
		Total	Fraser	Total	Fraser
Canada		905,589	898,807	178,563	72,628
	Commercial	160,098	159,438	59,587	28,015
	B Purse Seine	96,850	96,311	46,510	18,081
	D Gillnet	24,132	24,033	3,547	1,445
	E Gillnet	35,137	35,137	6,447	6,447
	H Troll	3,979	3,957	3,083	2,042
	First Nations	731,289	725,168	107,303	43,560
	Food, Social & Ceremonial (FSC)	660,333	654,212	85,531	21,788
	Marine	242,837	236,911	84,339	20,596
	Fraser R.	417,496	417,301	1,192	1,192
	Economic Opportunity (EO) & Demonstration (Demo)	70,956	70,956	21,772	21,772
	Single Stock FSC (SS FSC)	0	0	0	0
	Recreational	0	0	11,301	682
	Charter (Albion & A12 Chum test fishery)	725	725	372	372
	Other****	13,477	13,477	0	0
United States		303,649	303,517	1,270,875	969,935
	Commercial	297,248	297,117	1,270,875	969,935
	Treaty Tribes (TRB)	217,950	217,942	802,383	599,825
	All Citizen (AC)	79,298	79,175	468,492	370,110
	Treaty Tribes Ceremonial & Subsistence (C&S)	6,401	6,400	0	0
	All Citizen Recreational	0	0	0	0
	Other****	0	0		
	Alaska *	na	na	na	na
Panel-approved Test Fisheries		33,500	32,738	19,187	12,788
	Panel Waters	23,923	23,655	17,323	12,195
	Canada	23,179	22,925	16,511	11,914
	U.S.	744	730	812	281
	Non-Panel Waters**	9,577	9,082	1,864	593
Total		1,242,738	1,235,062	1,468,625	1,055,350
	Catch Seaward of Mission ***	922,798	915,122	1,451,611	1,038,336
	Catch Upstream of Mission	319,940	319,940	17,014	17,014

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

** Includes Qualark

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

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

4c. Release mortalities

2025 Release Mortalities-to-date by fishery

(release mortalities are excluded from catch)

Date: Sep. 5, 2025

Week of: Aug. 31 - Sep. 6, 2025		Sockeye releases		Release mortality	
		Total	Fraser	Total	Fraser
Canada		4,226	4,217	317	316
	Commercial	266	266	27	27
	B Purse Seine	0	0	0	0
	D Gillnet	0	0	0	0
	E Gillnet	0	0	0	0
	H Troll	266	266	27	27
	First Nations ****	3,518	3,518	246	246
	Food, Social & Ceremonial (FSC)	3,518	3,518	246	246
	Marine	0	0	0	0
	Fraser R.	3,518	3,518	246	246
	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		18,133	18,126	4,541	4,539
	Commercial	18,133	18,126	4,541	4,539
	Treaty Tribes (TRB)	0	0	0	0
	All Citizen (AC)	18,133	18,126	4,541	4,539
	Treaty Tribes Ceremonial & Subsistence (C&S)	0	0	0	0
	All Citizen Recreational	0	0	0	0
	Other**	0	0	0	0
	Alaska *	na	na	na	na
Panel-approved Test Fisheries		289,393	277,147	28,420	27,737
	Panel Waters	289,392	277,146	28,420	27,736
	Canada	283,696	277,146	28,391	27,736
	U.S.	5,696	0	29	0
	Non-Panel Waters	1	1	1	1
Total		311,752	299,490	33,278	32,592
	Catch Seaward of Mission ***	308,153	295,892	33,027	32,341
	Catch Upstream of Mission	3,582	3,582	251	251

* Alaska does not report release mortalities

**May include releases and release mortalities unauthorized directed retention or unauthorized bycatch retention in fisheries directed at other species

*** All releases and release mortalities in marine areas and in the Fraser River downstream of Mission.

**** As of Aug 7, these releases include 1,597 dipnet/rod and reel releases in a sanctioned Chinook fishery

4d. TAC table

		Fraser Sockeye					Fraser Pinks		
		Early Stuart	Early Summer	Summer	Lates	Total	Total		
RUN STATUS, ESCAPEMENT NEEDS & AVAILABLE SURPLUS									
Pre-season or Adopted In-season Run Size		725,000	400,000	7,000,000	1,150,000	9,275,000	12,500,000		
Adult Spawning Escapement Target (SET)		580,000	200,000	3,500,000	575,000	4,855,000	6,000,000		
%SET from TAM rules		80%	50%	50%	50%		48%		
Management Adjustment (MA)		1,078,800	108,000	1,890,000	598,000	3,674,800	0		
Proportional MA (pMA)		1.86	0.54	0.54	1.04		0.00		
Adjusted Spawning Escapement Target (SET) *		725,000	308,000	5,390,000	1,150,000	7,573,000	6,000,000		
Test Fishing (TF)		5,500	3,400	29,350	5,531	43,781	90,000		
Surplus above Adjusted SET & Test fishing		0	88,600	1,580,650	0	1,669,250	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	5,795,463	1,155,531	8,016,781	6,090,000		
Available TAC for International Sharing		0	64,713	1,204,537	0	1,269,250	6,410,000		
UNITED STATES (Washington) TAC									
Proportionally Distributed TAC **		16.5%	0	10,680	198,750	0	209,430	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	196,480	0	207,040	1,647,370		
Treaty Tribes Share **		67.7%	0	7,110	132,280	0	139,390	50.0%	823,685
All Citizen Share		32.3%	0	3,450	64,200	0	67,650	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	1,384,170	0	1,462,210	4,762,630		
CATCH-TO-DATE									
Test		5,310	2,250	23,100	2,060	32,740	12,790		
Treaty Tribes (Wash.) / Ceremonial (TRB)		0	5,060	186,480	32,790	224,340	599,820		
All Citizen (Wash.)		0	2,310	65,220	11,650	79,180	370,110		
Other (Wash.)***		0	0	0	0	0	0		
Washington		0	7,370	251,700	44,440	303,520	969,930		
First Nations Catch (including AFE)		3,590	35,070	565,810	49,740	654,210	21,790		
Planned Charter & Recreational Shares		60	30	570	63	725	1,050		
Other***		3,390	1,690	8,380	20	13,480	0		
Total Commercial (including FN EO/Demo****)		0	6,910	198,180	25,310	230,390	49,790		
Canada		7,040	43,700	772,940	75,130	898,810	72,630		
Total Catch in All Fisheries		12,350	53,320	1,047,740	121,630	1,235,060	1,055,350		
Exploitation Rate (catch-to-date / run size)		1.7%	13.3%	15.0%	10.6%	13.3%	8.4%		
Fisheries induced mortalities (Canada, U.S. & TF)		79	1,098	26,792	4,623	32,592			
Exploit. Rate with fishery-induced mortality included		1.7%	13.6%	15.4%	11.0%	13.7%			
CATCH REMAINING (BALANCE)									
Washington		0	3,190	-55,220	-44,440	-96,480	677,440		
Canada		-7,040	34,340	611,230	-75,130	563,400	4,690,000		
Balance Remaining [below share / -above share]		-7,040	37,530	556,010	-119,570	466,930	5,367,440		

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

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

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

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

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

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

5a_Test Fishing & Escapement Summary_Sockeye

2025 Fraser Sockeye Test Fishing & Escapement Summary

Area/Gear Location From A20	Juan de Fuca Strait		Fraser River								
	A20 P5 Port Renfrew (0 days)	A7 RN ¹ San Juan Is (+3 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 ²	Method ³	Mission Hydroacoustics Estimate ⁴ (+6 days)	Method ⁵	Hells Gate Estimates ⁶ (+10 days)
15-Aug	9675 (5 sets)		875	209	16.48	181	97,498	RB + LB	405,400	A1+M2+A2	63,800
16-Aug	650 (2 sets)		476	189	15.12	178	260,064	RB + LB	560,400	A1+M2+A2	No Count
17-Aug	611		612	135	10.80	180	290,564	RB + LB	603,000	A1+M2+A2	82,470
18-Aug	173		190	216	17.28	198	367,421	RB + LB	297,600	A1+M2+A2	76,020
19-Aug	433		DNF	56	4.52	180	428,159	RB + LB	224,900	A1+M2+A2	No Count
20-Aug	1,320		DNF	178	14.24	173	251,950	RB + LB	167,000	A1+M2+A2	112,950
21-Aug	509 (5 sets)		174	99	7.92	146	156,004	RB + LB	219,300	A1+M2+A2	No Count
22-Aug	404		237	189	15.12	117	82,227	RB + LB	363,400	A1+M2+A2	63,940
23-Aug	223 (4 sets)	165	76	188	15.04	75	101,845	RB + LB	383,200	A1+M2+A2	23,370
24-Aug	191	151	103	144	11.52	113	205,338	RB + LB	360,900	A1+M2+A2	51,780
25-Aug	147	235	167	310	24.80	124	236,251	RB + LB	220,400	A1+M2+A2	No Count
26-Aug	31 (5 sets)		85	104	8.32	119	273,686	RB + LB	246,300	A1+M2+A2	72,410
27-Aug	21 (3 sets)		102	43	3.36	94	290,909	RB + LB	202,000	A1+M2+A2	No Count
28-Aug	8		125	16	1.25	103	448,523	RB + LB	51,700	CPUE-Wh-Avg	59,410
29-Aug	0		148	20	1.60	97	543,831	RB + LB	37,000	CPUE-Wh-Avg	31,870
30-Aug	7	132	83	20	1.60	63	529,888	RB + LB	59,800	CPUE-Wh-Avg	No Count
31-Aug	17	129	50	50	3.98	37	315,204	RB + LB	66,300	CPUE-Wh-Avg	No Count
1-Sep	10	49	82	34	2.58	42	294,818	RB + LB	59,600	CPUE-Wh-Avg	42,370
2-Sep	4 (5 sets)	58	50	11	0.90	25	214,278	RB + LB	20,800	CPUE-Wh-Avg	15,610
3-Sep	End		42	11	0.88	32	159,683	RB + LB	20,400	CPUE-Wh-Avg	7,980
4-Sep			49	5	0.40				9,300	CPUE-Wh-Avg	6,170
5-Sep											
6-Sep											
2-Oct											

¹ Area 7 Reefnet test fishery is for observation of fish presence and species composition. Vessels are operating at two observation sites.

² Qualark escapement estimate - does not include Chilliwack, Pitt, Harrison, Birkenhead, Big Silver, Weaver, and Cultus.

³ Qualark source:

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

⁴ Mission escapement estimate - does not include Pitt

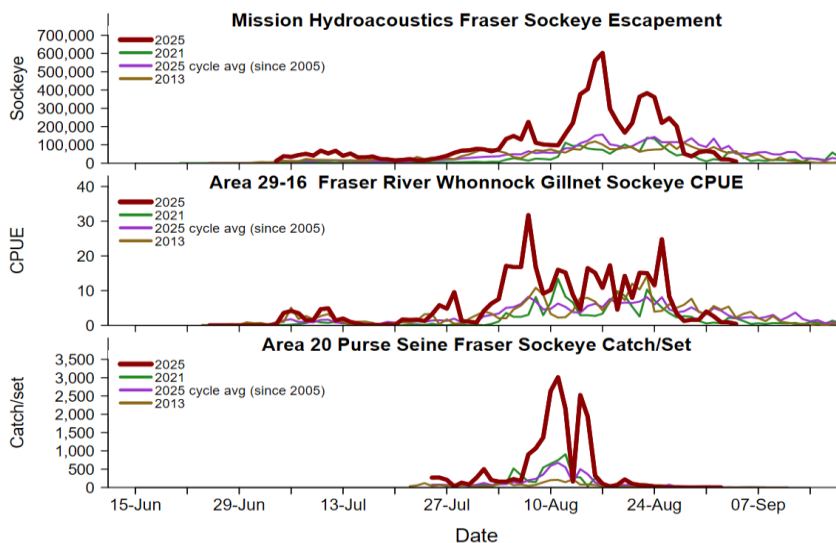
⁵ Mission Source:

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

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

⁶ Daily Hells Gate abundance estimate; actual daily count has been expanded.

DNF = Did not fish



5a_Test Fishing & Escapement Summary_Pinks

2025 Fraser Pink Test Fishing & Escapement Summary

Area/Gear Location From A20	Juan de Fuca Strait		Fraser River								
	A20 PS Port Renfrew (0 days)	A7 RN ¹ San Juan Is	A29-17 GN Brownsville Bar	A29-16 GN Whonnock	Whon CPUE Estimate	GN Catch	Qualark Estimate	Method ²	Mission Hydroacoustics		Hell's Gate Estimates ⁴
									Estimate	Method ³	
15-Aug	14300 (5 sets)		15	5	0.39	0	0	RB + LB	24,280	BB-CPUE-Avg	0
16-Aug	1600 (2 sets)		22	9	0.72	1	1,461	RB + LB	44,340	BB-CPUE-Avg	No Count
17-Aug	5,730		53	4	0.32	6	9,685	RB + LB	95,010	BB-CPUE-Avg	50
18-Aug	2,080		17	12	0.96	8	14,845	RB + LB	97,120	BB-CPUE-Avg	60
19-Aug	2,285		DNF	6	0.48	11	26,165	RB + LB	62,720	CPUE-Wh-CC	No Count
20-Aug	14,800		DNF	12	0.96	22	32,040	RB + LB	23,230	CPUE-Wh-CC	200
21-Aug	3380 (5 sets)		44	14	1.12	26	27,781	RB + LB	60,680	CPUE-Wh-CC	No Count
22-Aug	7,142		59	22	1.76	24	16,867	RB + LB	86,720	CPUE-Wh-CC	1,210
23-Aug	780 (4 sets)	2,987	48	23	1.84	9	12,221	RB + LB	93,810	CPUE-Wh-CC	3,950
24-Aug	407	2,775	242	50	4.00	23	41,794	RB + LB	223,610	CPUE-Wh-CC	5,390
25-Aug	114	3,342	416	543	43.44	62	118,125	RB + LB	498,230	CPUE-Wh-CC	No Count
26-Aug	525 (5 sets)		360	277	22.16	30	68,997	RB + LB	907,890	CPUE-Wh-CC	18,890
27-Aug	170 (3 sets)		193	121	9.53	37	114,507	RB + LB	1,259,710	CPUE-Wh-CC	No Count
28-Aug	913		267	50	3.97	62	269,985	RB + LB	1,019,000	A1+M2+A2	30,060
29-Aug	328		148	118	9.44	60	336,390	RB + LB	654,810	A1+M2+A2	55,790
30-Aug	2,810	3,151	301	114	9.12	27	227,095	RB + LB	720,580	A1+M2+A2	No Count
31-Aug	1,315	4,231	261	50	3.96	31	264,090	RB + LB	660,700	A1+M2+A2	No Count
1-Sep	210	3,691	187	57	4.31	25	175,487	RB + LB	610,910	A1+M2+A2	108,550
2-Sep	35 (5 sets)	2,925	442	58	4.70	25	214,278	RB + LB	565,120	A1+M2+A2	130,530
3-Sep	End		210	168	13.44	51	254,495	RB + LB	835,930	A1+M2+A2	46,540
4-Sep			346	234	18.79	16			936,110	A1+M2+A2	45,220
5-Sep											
6-Sep											

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:

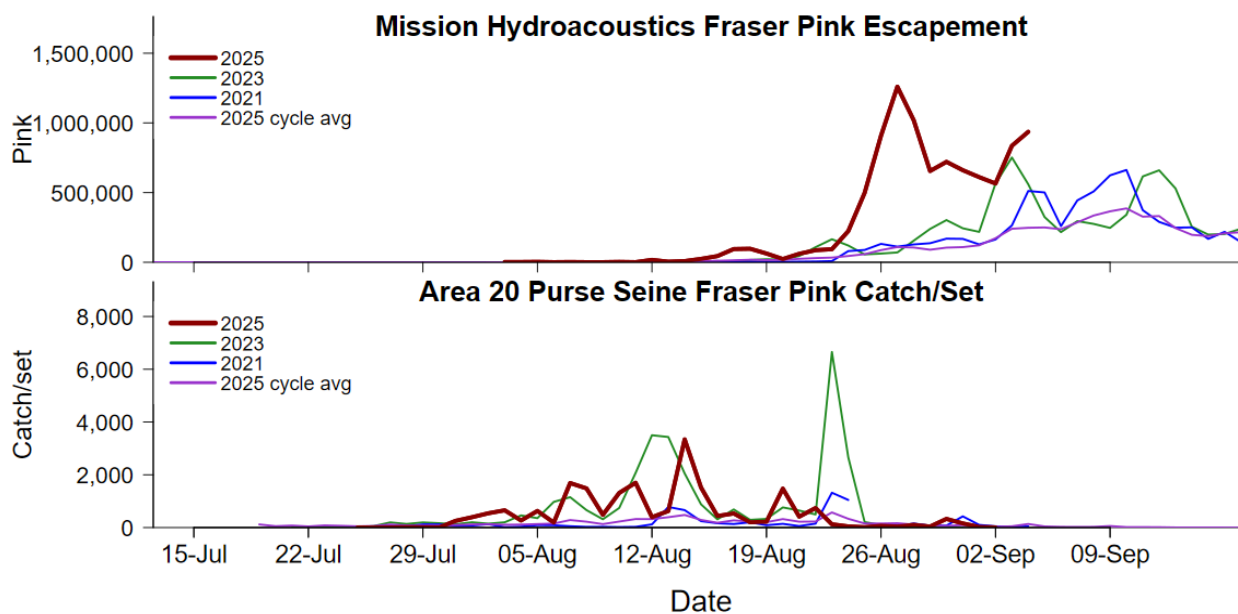
BB-CPUE-Avg = 3-day Average Pink CPUE at Brownsville Bar x Expansion Line

CPUE-Wh-CC = Catchability Correction Model

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

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

DNF = Did not fish

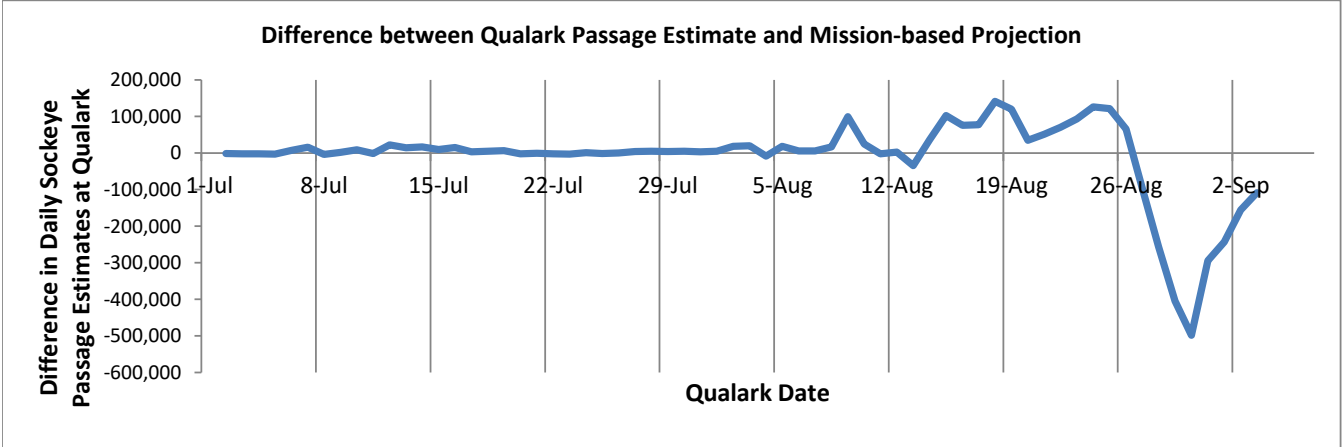
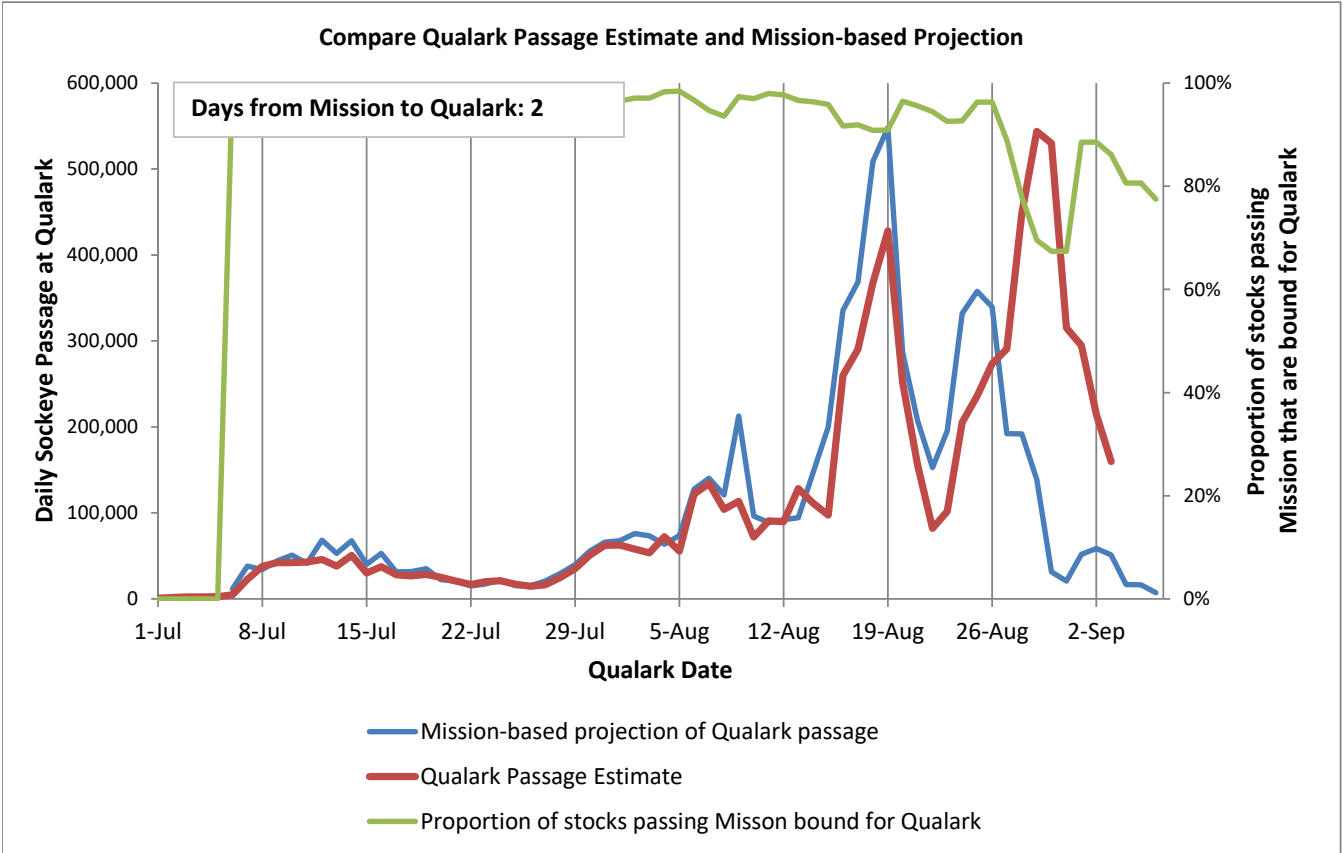


5b. Comparison of predictions from Mission to Qualark

Year: 2025

Date: 5-Sep-25
Time: 10:04 AM

	All Days	*Common Days
Mission projection	7,028,723	6,988,275
Qualark estimate	7,629,098	7,619,454
	Difference	-631,179
	%Difference	(9%)



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		
							Nadina Bowron																
							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	Aug27-29	DNA	111	100%	0%	0%					0%	12%			67%	79%	7%	10%	4%	21%	NA	
A12 ps		Sep 2	Prediction	1	99%	0%						0%	9%			53%	3%	65%	7%	14%	14%	35%	NA
Juan de Fuca Strait & Washington & Other																							
A7 ps	cs	Aug 27	DNA	95	100%	0%	1%					1%	2%	1%	9%	58%	7%	75%	10%	5%	8%	23%	97%
A20 ps	tf	Aug26-27	DNA	69	99%	0%	1%					1%	2%	7%	41%	5%	56%	9%	11%	24%	43%	95%	
A20 ps		Sep 3	Prediction	1	100%	0%						0%	1%	8%	53%	2%	65%	7%	11%	18%	35%	NA	
In-river																							
BB gn	tf	Aug 31	DNA	50	100%	0%						0%	14%			65%	7%	86%	11%	3%		14%	100%
BB gn	tf	Sep1-2	DNA	99	100%	0%	0%					0%	2%	11%	58%	5%	76%	9%	10%	4%	23%	99%	
AB gn	tf	Sep 1	DNA	34	100%	0%						0%	3%	11%	61%	5%	80%	15%	2%	3%	20%	96%	
AB gn	tf	Sep2-3	DNA	21	100%	0%						0%	5%	5%	40%	2%	52%	24%	5%	19%	48%	90%	

2025 Fraser River Pink Salmon Stock identification Review

Recent stock composition estimates for pink salmon

Fishing					DNA % Estimates by Group		
Area/Gear ¹	Sector ²	Date	Type ³	Size (n)	Fraser River	Washington	BC South Coast
Johnstone Strait							
A12 PS	TF	Aug19	DNA	97	58%	30%	12%
A12 PS	TF	Aug26	DNA	96	51%	30%	19%
A12		Sep05	Prediction	1	71%	19%	10%
Juan de Fuca Strait							
A20 PS	TF	Aug12	DNA	100	62%	31%	7%
A20 PS	TF	Aug21	DNA	96	42%	54%	4%
A20		Sep05	Prediction	1	75%	23%	2%
Washington							
A7 PS	CM	Aug18	DNA	96	86%	6%	9%
A7A PS	CM	Aug28	DNA	95	80%	13%	7%
A7		Sep05	Prediction	1	91%	6%	2%
A7A		Sep05	Prediction	1	91%	6%	3%

Notes for sockeye and pink tables:

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

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

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

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

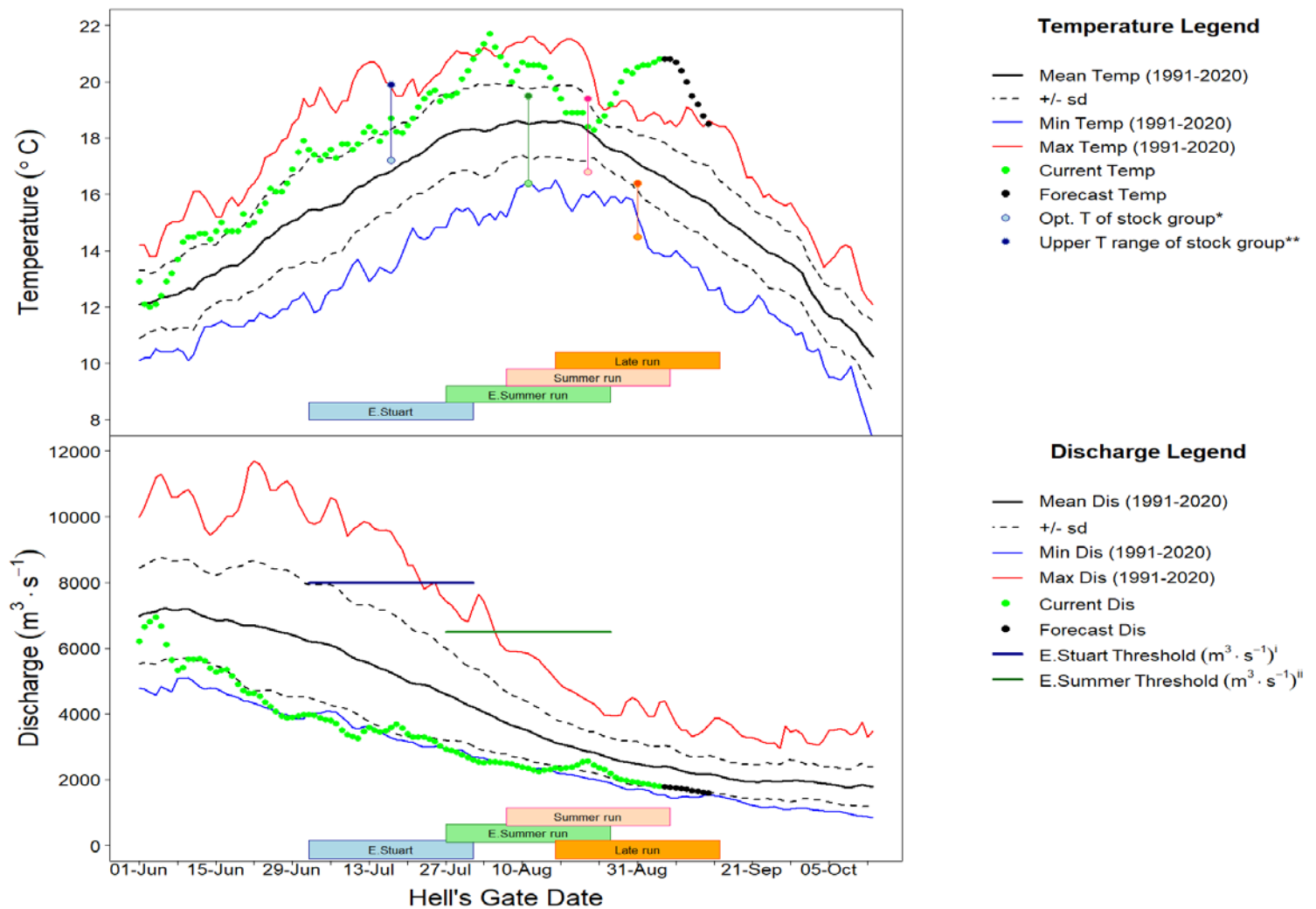
Results in grey text have been presented to the Panel previously

Sei. Environmental report

Fraser River Environmental Report for September 04, 2025

Observed Fraser River Temperature at Qualark for 04-Sep	20.8°C
Average (1991-2020) Historical Temperature on this day	16.7°C
Deviation from Average	4.1°C
Forecast Temperature for 10-Sep-25	19.5°C
The forecast in Kamloops and Prince George is for above average temperature for the entire forecast period	

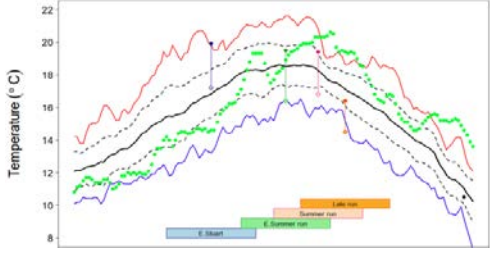
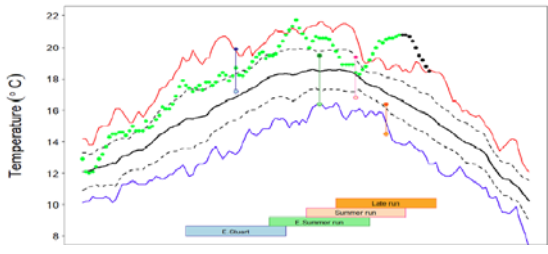
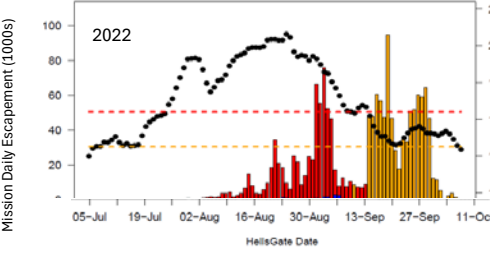
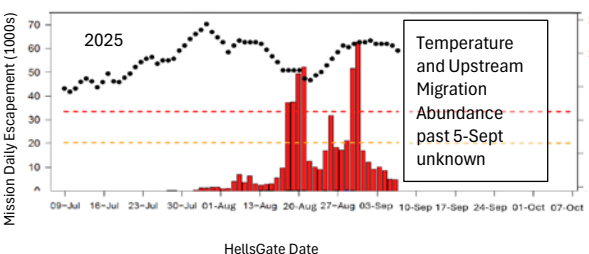
Observed Fraser River Discharge at Hope for 04-Sep	1812 m ³ ·s ⁻¹
Average (1991-2020) Historical Discharge on this day	2392 m ³ ·s ⁻¹
% above or below Historical Discharge	-24%
Forecast Discharge for 10-Sep-25	1672 m ³ ·s ⁻¹
The forecast in Kamloops and Prince George is for 10 mm and 2 mm of precipitation, respectively.	



Run timing bars represent a 31 day spread of the run centered around the Hell's Gate date. Hell's gate timing is 5 days from Mission for Early Stuart and Late run; and 4 days from Mission for Early Summer and Summer run. ⁱpMA is the proportional increase to spawning escapement targets to help ensure targets are achieved. ⁱⁱ%DBE is %difference between estimates of potential spawning escapement and spawning escapement. *This is the optimum temp for aerobic swimming - T_{opt} (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.

Water temperatures during Late run upstream migration and pDBE: 2022 and 2025 comparisons

Conclusion: The pDBE (-0.51) associated with the currently adopted MA for Late run seems appropriate given the record high temperatures, and despite the predicted upstream timing of September 15.

	2022	2025
		
T_{opt}	Optimum temperature for Late run aerobic swimming is 14.5 °C	
T_{pejus}	Temperature above which successful migration could be limited is 16.4 °C	
T_{opt} T_{pejus}	Temperatures at Hells Gate overlayed with total Late run abundance at Mission, assuming a 4-day offset from Mission 2022  2025 	
pDBE	Postseason estimates	Inseason adopted
Associated pMA	-0.40 0.67	-0.51 1.04
50% Mission date for delaying Late run	15-Sep	15-Sep ← Current Prediction

Seiii. Current temperatures in areas of the Fraser Watershed

Current Temperatures					
Map #	03-Sep	Daily Mean	Historic Mean	Deviation from Historical Mean	Historic Year Range
<u>Fraser River Mainstem</u>					
1	Fraser River @ Qualark	20.7	16.8	3.9	1991-2020
2	Fraser River @ Texas Creek	na	16.0	na	2006-2024
3	Fraser River @ Marguerite	19.1	15.8	3.3	2015-2024
4	Upper Fraser @ Shelley	na	12.7	na	1994-2024
<u>Fraser River Tributaries</u>					
5	Thompson R. @ Ashcroft	20.6	18.0	2.6	1995-2024
6	South Thompson @ Chase	22.5	18.8	3.7	1994-2024
7	North Thompson @ McLure	18.1	14.1	4.0	2006-2023
8	Quesnel R. @ Quesnel	19.0	15.8	3.2	2000-2024
9	Nechako R. @ Isle Pierre	20.1	16.3	3.8	2006-2024
10	Stuart R. @ Ft. St. James	20.1	15.9	4.2	2000-2024



5eiv. TNG Taskforce update

Summary of TNG-led Emergency Salmon Task Force Weekly Data August 26–September 1, 2025

For the complete weekly report please see the FRTC distribution: [2025 09 04 Distribution.pdf](#)

Key observations from this week include:

- A cumulative total of 1,415,345 salmon have been counted since the start of the program on June 25, 2025, with 910,380 salmon counted during Week #10 (August 26 to September 01, 2025). Salmon passage continues past the slide and passage rates (number of fish per day) of salmon 50 to 64 cm in length, peaked at 177,060 on August 29, 2025 (Section 2.1).
- Pink Salmon have been captured by dip net in Farwell Canyon since September 01, 2025. These fish may arrive at the Hanceville sonar station soon, but will be difficult to identify as they will fall within the lower bounds of the 50 to 64 cm salmon size class, similar to Sockeye.
- Daily mean turbidity in the Chilcotin River downstream of the slide site (Farwell Canyon) is ~30 NTU higher (as of September 01, 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 recorded since May 29, 2025.
- Turbidity in the Fraser River downstream of the Chilcotin River confluence (Gang Ranch) is ~10 NTU higher (as of September 30, 2025) than upstream of the Chilcotin River confluence (Sheep Creek) as indicated by turbidity monitoring (Section 3.2). Both Fraser River turbidity monitoring stations dewatered on August 31, 2025, plans to service and re-deploy turbidity monitors are underway.

This is the last weekly report from the TNG taskforce for the 2025 season.

5ev. Report on Fish Condition

Date of Power BI Report

02-Sep-25 14:43

Latest Data Entry Date

02-Sep-25 00:00

Mid-Fraser Biological Condition and Number of Sockeye Inspected

Sockeye health observations are collected during patrols (Helicopter, Boat, Vehicle, Foot, and Access) and when either harvested sockeye or sockeye migration in the river is observed. Qualark reports are included as well.

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

Data is in-season and subject to change as addition information is received and analyses are reviewed

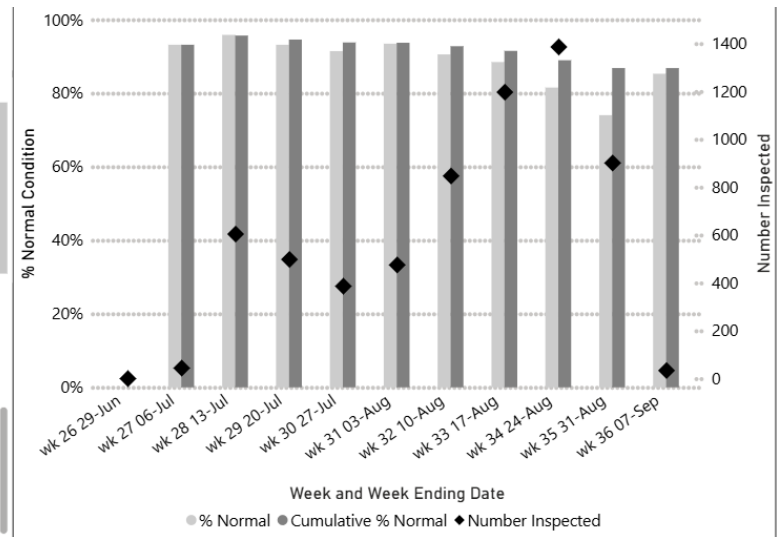
Normal Condition Fish do not show evidence of any marks (e.g. no marks on gill and body, no hook marks or open wounds)

Observations by Week

Row Labels	Observations
wk 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	Pink and Sockeye both holding

Sample Size by Site

Week and Week End Date	D01	D02	D03	D04	D05	D06	D07a	D07b	D08	D09	D10	D11	D14	Qualark	Siwash Creek to Piglog Cr	Piglog Creek to Pooveyellth Cr	Pooveyellth Creek to Saw Cr	Texas to Railway Bridge Lillooet	Thompson River to Bonaparte River	Total
wk 33 17-Aug			2	36	20	54	15		20	117	35			898						1,197
wk 34 24-Aug	12	10		8						232	92			1,028						1,386
wk 35 31-Aug														672	21	16	37	118	37	901
wk 36 07-Sep														34						34
Total	12	22	11	128	20	58	15		20	349	130	0	25	5,353	21	16	37	118	37	6,372

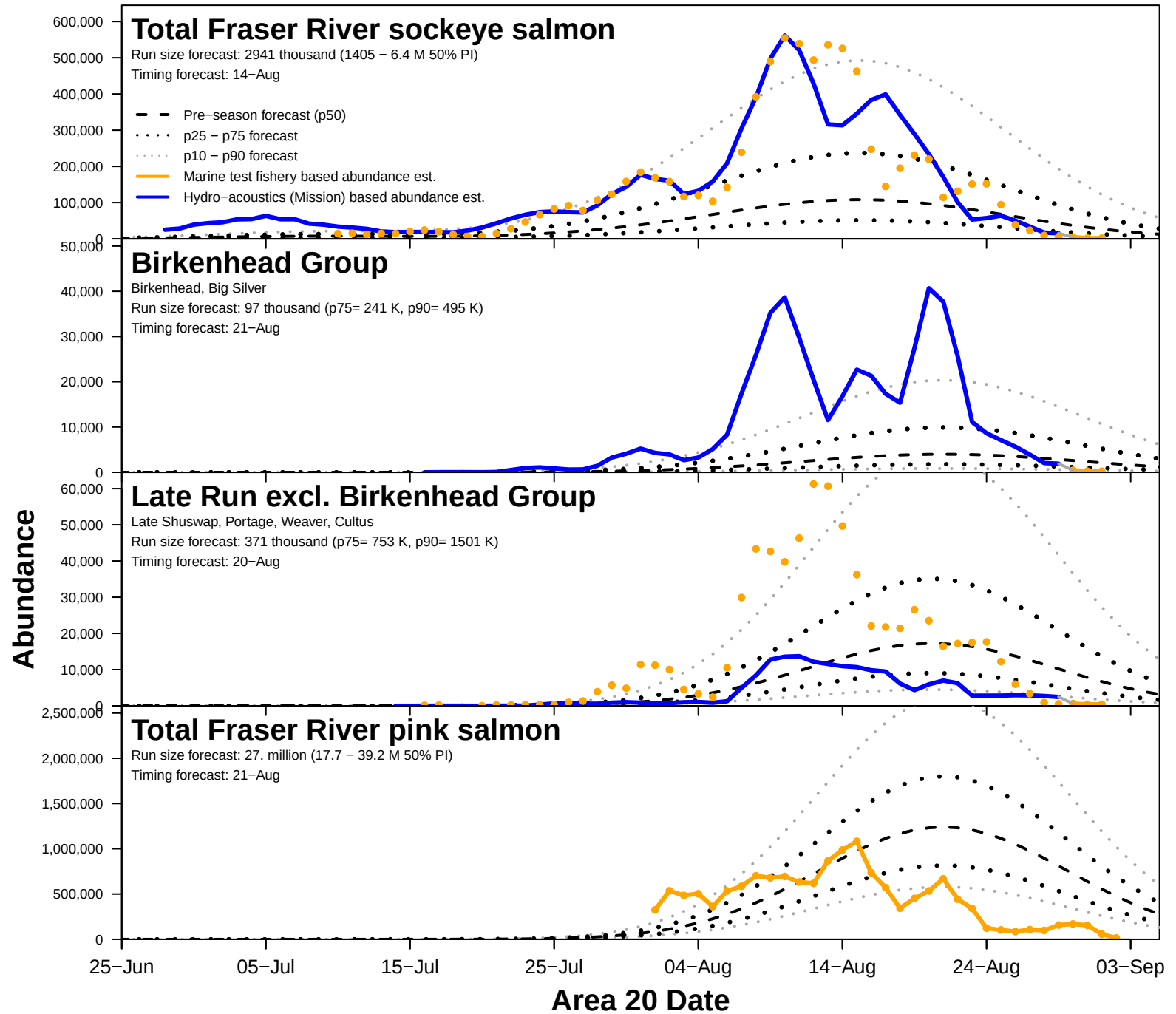


Sevi. Spawning ground reports

Table 1. Fraser River Sockeye escapement - 2025 in-season update # 7.

Stock	Survey Method	Start Date	End Date	No. to Date	Spawning	Water Temp.	Water Conditions	Fish Condition
EARLY SUMMER								
Bowron River & tribs.	Aerial survey	2-Sep	Ongoing					
Gates Creek & tribs.	Visual survey	27-Aug	Ongoing		Migrating or holding	12	Moderate water levels	
Nadina	Hydroacoustics	29-Jul	Ongoing	31,026	Migrating	18.9		Healthy
Nadina	Spawning channel	1-Sep	Ongoing	1,700				
Nahatlatch	Visual survey	20-Aug	Ongoing		Spawning	13.2	Moderate water levels	
Pitt River & tribs.	Visual and aerial survey	28-Aug	Ongoing		Spawning	12.7-15.5	Moderate to low water levels in most creeks	
South Thompson (excl. Scotch)	Visual survey	28-Aug	Ongoing		Migrating or spawning	13.3-20.6	Moderate water levels in most creeks	Healthy
Scotch Creek	Fence counts	14-Aug	Ongoing	15,772	Migrating	15-20		
Upper Barriere River	Visual survey	1-Sep	Ongoing		Migrating or spawning	13.8-14.6		Healthy
Upper Chilliwack tribs.	Visual survey	5-Aug	Ongoing		Migrating or spawning	12	Moderate water levels	
SUMMER								
Chilko	Hydroacoustics	7-Aug	Ongoing	740,125	Migrating or spawning	16	Moderate to high water levels	Healthy
North Thompson	Visual survey	2-Sep	Ongoing		Migrating	15.1-16.7	Moderate water levels in most creeks	Healthy
Quesnel	Hydroacoustics	7-Aug	Ongoing	185,148	Migrating	19-21		Healthy
Raft River	Visual survey	2-Sep	Ongoing		Migrating or spawning	17.8	Moderate water levels	
Stellako (including Nadina)	Hydroacoustics	25-Jul	Ongoing	48,155	Migrating	17	Moderate to high water levels	
LATE								
Big Silver Creek	Visual survey	21-Aug	Ongoing			14.8	Moderate water levels	
Cultus Lake	Fence counts	29-Jul	Ongoing	27	Migrating	24.5	Moderate water levels	

6a. 2025 Fraser River sockeye salmon daily migration



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	9,275,000	2,941,000	● 9,194,000	8,959,000	9,482,000	Sum	8,630,000	42,000	7,000	515,000		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	409,000	409,000	Recon	409,000	0	0	0	01-Aug	03-Aug	01-Aug	01-Aug	01-Aug	Recon
Chilliwack		15,000	✓ 4,000	4,000	4,000	Recon	4,000	0	0	0		18-Jul	21-Jul	21-Jul	21-Jul	Recon
Nadina Group ⁴		80,000	✓ 220,000	220,000	220,000	Recon	220,000	0	0	0		31-Jul	01-Aug	01-Aug	01-Aug	Recon
Pitt/Alouette/Coquitlam		46,000	✓ 18,000	18,000	18,000	Recon	18,000	0	0	0		04-Aug	31-Jul	31-Jul	31-Jul	Recon
Early Thompson ⁵		80,000	✓ 167,000	167,000	167,000	Recon	167,000	0	0	0		07-Aug	02-Aug	02-Aug	02-Aug	Recon
Summer Run	7,000,000	2,136,000	✓ 6,860,000	6,831,000	6,912,000	Sum	6,816,000	35,000	6,000	3,000	11-Aug	15-Aug	11-Aug	11-Aug	11-Aug	Recon(2)
Harrison / Widgeon		46,000	✓ 82,000	79,000	83,000	Recon	79,000	0	0	3,000		09-Aug	10-Aug	09-Aug	10-Aug	Recon
Late Stuart / Stellako		889,000	✓ 2,007,000	2,007,000	2,008,000	Recon	2,007,000	0	0	0		14-Aug	09-Aug	09-Aug	09-Aug	Recon
Chilko		928,000	✓ 4,046,000	4,028,000	4,085,000	Recon(2)	4,018,000	24,000	3,000	0		14-Aug	12-Aug	12-Aug	12-Aug	Recon(2)
Quesnel		260,000	✓ 512,000	504,000	523,000	Recon(2)	499,000	11,000	3,000	0		18-Aug	13-Aug	13-Aug	13-Aug	Recon(2)
Raft / North Thompson		14,000	✓ 213,000	213,000	213,000	Recon	213,000	0	0	0		23-Aug	13-Aug	13-Aug	13-Aug	Recon
Late Run	1,150,000	468,000	▲ 1,189,000	983,000	1,425,000	Sum	669,000	7,000	1,000	512,000	14-Aug	20-Aug	13-Aug	13-Aug	14-Aug	Weight
Birkenhead Group		97,000	✓ 492,000	491,000	492,000	Recon	491,000	1,000	0	0		21-Aug	15-Aug	15-Aug	15-Aug	Recon
L.Shuswap / Weaver Gr.		371,000	◇ 697,000	492,000	933,000	Recon(2)	178,000	6,000	1,000	512,000		20-Aug	12-Aug	11-Aug	14-Aug	Model
Fraser Pink salmon	12,500,000	26,965,000	◇ 12,090,000	10,625,000	20,380,000	Model	10,565,000	184,000	39,000	1,302,000	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 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

6e. Pink Salmon Run Size Weight of Evidence

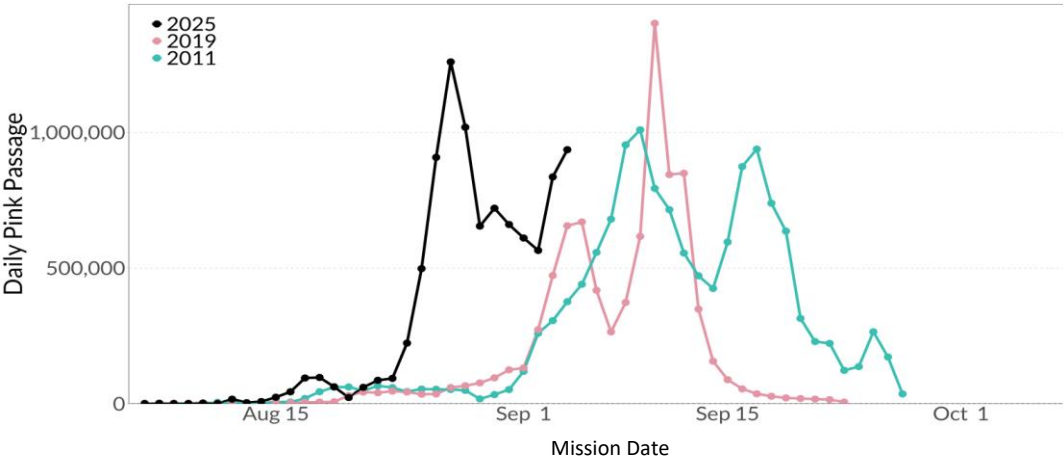
Default Run Size Method: Time Density Model 05-09-2025

<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)	10-15M	yes

Daily Pink Mission Passage



Year	Fraser Pink Run Size
2019	8,858,000
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	No recommendation	7,000,000	NA	11-Aug	NA
Late Run	No recommendation	1,150,000	NA	14-Aug	NA
Pink Salmon Run	No recommendation	12,500,000	NA	13-Aug	NA

PSC staff recommend pDBE estimates (not MA estimates) for consideration by the Panel. The Panel may either accept or reject the MA estimates implied by the pDBE recommendations or propose alternative estimates, by incorporating additional information, e.g., natural, environmental or stock assessment factors, that are not accounted for in the current quantitative approach. The Management Adjustment estimates presented here may not reflect the final estimates adopted by the Fraser River Panel.

Management Group	PSC Staff Recommendation	pDBE and implied pMA estimate			
		Currently Adopted		PSC recommendation	Implied pMA
		pDBE	pMA	pDBE	pMA
Early Stuart Run	No recommendation	-0.65	1.86	NA	NA
Early Summer Run	No recommendation	-0.35	0.54	NA	NA
Summer Run	No recommendation	-0.35	0.54	NA	NA
Late Run	No recommendation	-0.51	1.04	NA	NA



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

FRP meeting: Tuesday, September 9, 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: September 11		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