

This is the tenth Fraser Salmon Bulletin for the 2020 season. The purpose of this bulletin is to provide you with the links and information to keep yourself up to date on in-season fishing information.

BIG BAR SLIDE

For daily Salmon counts at the Big Bar landslide site, please see [this link](#):

- Discharge has dropped since the last update but is still tracking high
- 523 salmon have been radio tagged below the slide.
- 111,218 salmon 40km upstream of the slide area at Churn Creek.
- 8,238 salmon went through the WHOOSHH system past the slide area.
- 1,527 salmon went by Truck and Transport past the slide.

(Update to August 28, 2020)



FRASER CHINOOK

Fisheries downstream of the Thompson confluence to target on Summer 4₁ Chinook are being planned in order to minimize impacts on both Summer Run 5₂ Chinook and Sockeye.



FRASER SOCKEYE

2020 Run status of Fraser sockeye salmon

Date: Aug. 25, 2020

Week of: Aug. 23 - Aug. 29, 2020	Sockeye				Total Fraser
	Management Group				
	E.Stuart	E.Summer	Summer	Late	
Mission passage (inclds Pitt, Alouette, Coquitlam)	15,900	68,200	175,900	6,000	266,000
Catch downstream of Mission	100	1,100	2,400	100	3,700
Accounted Run To Date	16,000	69,300	178,300	6,100	269,700
Run size adopted in-season ¹	14,000	72,000	169,000	28,000	283,000
Run size forecasted pre-season	13,000	218,000	611,000	99,000	941,000
Area 20 timing adopted in-season	7/Jul	17/Jul	27/Jul	15/Aug	24/Jul
Area 20 timing expected pre-season	4/Jul	24/Jul	31/Jul	6/Aug	30/Jul
Johnstone Str. Diversion Rate	Annual average to date				25%
	Preseason forecast of annual rate:				35%

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.



- Total accounted to date is 269.7K Fraser sockeye of which 16.0K are Early Stuart, 69.3K, are Early Summer, 178.3K are Summer run and 6.1K are Late run.
- There has been no commercial or recreational fisheries directed on Fraser sockeye.
- There has been no licenced FSC fisheries directed on Fraser sockeye.

In-season Data Flow

a) Acoustics

- **Qualark:** Daily passage estimates are now dropping, ~1-3k last 3 days.
- **Mission:** Daily passage estimates at Mission increased, ~4-6k last 3 days.

b) Test fishing catch

- Low catches in river. No marine area test fisheries are active.
- Qualark catches are declining.

c) Stock Proportions

- Stock Id proportions in-river are dominated by Summer run.
- Harrison is making up a large proportion of the Summer run indicating that delaying Harrison River sockeye are moving into the River
- Still showing later than expected arrival of stocks to Qualark.

d) Environmental Conditions and Management Adjustments

- The temperature of the Fraser River at Qualark Creek on Aug 24 was 17.6°C, which is average for this date.
- The Fraser River water discharge at Hope was 3410 m³/s, which is approximately 20% above average for this date.

Table 1: Fraser River Sockeye - Projected catch of LAER and TAM^a

Current Run Size Scenarios: Est 14k, ESu 72k, Su 169k, La 28k

	Early Stuart		Early Summer		Summer		Late	
	LAER	Catch ^b	LAER	Catch ^b	LAER	Catch ^b	LAER	Catch ^b
Marine FN FSC		0		0		0		0
Fraser River FN FSC (LFr)		0		6		8		1
Fraser River FN FSC (BCI)	1,400	26	7,200	314	16,900	7,352	2,800	5
US Fisheries		0		0		0		0
Test Fisheries		110		1,300		3,200		150
CA Com and Rec. ^d		0		0		0		0
Total^c	10.0%	1.0%	10.0%	2.2%	10.0%	6.2%	10.0%	0.6%

^a TAM or LAER based on 2020-21 IFMP

^b Catch estimates may include projections.

^c % is the total catch and projected catch divided by the run size used for management (exploitation rate).

^d Includes Commercial: Fleet, EO, Five Nations, Demonstration and Recreational

The LAER is the allowable catch for all fisheries and is not a target and conservation may take precedence.

Release mortalities not included at this time

Please phone the Observe Record Report line at **1-800-465-4336** if you encounter any non-authorized fishing activity taking place



CATCH (KEPT and RELEASED NUMBERS)

FSC In-river Management Actions and Preliminary Catch to Date: August 26, 2020,

Area	Catch To Date			
	Sockeye		Chinook	
	Kept*	Released	Kept	Released
Mouth to Port Mann Bridge	0	30	1909	0
Port Mann to Sawmill Creek (including tributaries)	14	1051	7325	129
Sawmill Creek to Texas, including Thompson d/s Bonaparte	492	1886	2819	28
Texas to Deadman	7245	7	14	7
Deadman to Naver (includes tribs)	0	0	45	1
Upstream of Naver Confluence (includes tribs)	0	0	0	0
Thompson u/s of Bonaparte and tribs	0	0	49	0

*There have been no fisheries licensed to target on Fraser sockeye.

If you are looking for updates to catch information between bulletins, the most current catch reports are available online at: <http://www.pac.dfo-mpo.gc.ca/fm-gp/fraser/index-eng.html>

To receive a weekly harvest report for the fishing areas upstream of Sawmill Creek, please contact Cynthia Breau (Cynthia.breau@dfo-mpo.gc.ca) tel: (250) 256-2652 to be added to her mailing list.

South Coast Sport Catch Bulletin – to be added to the distribution list, please contact Kristopher Hein (Kristopher.Hein@dfo-mpo.gc.ca) tel: (250) 756-7028. These are produced monthly from June to September.

