

This is the fifth 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 historical maximum
  - 233 Chinook salmon have been radio tagged none of which have been detected upstream of the slide.
  - At least 62 salmon have migrated naturally above the slide when water levels were lower than current levels.
- (Update to July 24, 2020)



**FRASER CHINOOK**

**2020 Management Measures:** On June 19, 2020 an update to management measures for the season was announced. The notice was amended twice with the most recent Fishery Notice being [FN0673](#).

**2020 Albion Chinook Catch – [Link to online Albion information](#).**

A memo outlining the technical details of the 2020 Spring and Summer 5<sub>2</sub> Chinook aggregate terminal run size estimate has been made available to technical representatives. If you wish to receive a copy of this memo, please email: [linda.stevens@dfo-mpo.gc.ca](mailto:linda.stevens@dfo-mpo.gc.ca).



**FRASER SOCKEYE**

**Total In-season Catch and Escapement Accounted To-date**

**2020 Run status of Fraser sockeye and pink salmon**

Date: Jul. 21, 2020

Week of: Jul. 19 - Jul. 25, 2020	Sockeye				Total Fraser
	Management Group				
	E.Stuart	E.Summer	Summer	Late	
Mission passage (inclds Pitt, Alouette, Coquitlam)	12,400	26,800	5,900	0	45,100
Catch downstream of Mission	100	600	400	0	1,100
Accounted Run To Date	12,500	27,400	6,300	0	46,200
Run size adopted in-season <sup>1</sup>	na	na	na	na	na
Run size forecasted pre-season	13,000	218,000	611,000	99,000	941,000
Area 20 timing adopted in-season	na	na	na	na	na
Area 20 timing expected pre-season	4/Jul	24/Jul	31/Jul	6/Aug	30/Jul
Johnstone Str. Diversion Rate	Annual average to date				9%
	Preseason forecast of annual rate:				35%

<sup>1</sup> 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 45.1k Fraser sockeye of which 12.5k are Early Stuart and 27.4k are Early Summer and 6.3k are Summer run
- Early Stuart run size is ending up close to the p50
- Mission escapements to-date have been revised to account for right bank Mission escapements.
- No TAC is expected at a p50 run size
- Early Summer is tracking the p25 forecast

## In-season Data Flow

### a) Acoustics

- **Qualark:** Daily passage estimates have continued to build but has dropped off..
- **Mission:** Daily passage estimates have increased. Prior daily abundances have now been corrected for sockeye missed on the right bank assessments due to high water. Daily passage is tracking the brood year passage estimates.

### b) Test fishing catch

- All planed test fisheries are not under way.
- There appears to be a lull in catch in marine test fisheries. This typically occurs between the Early Stuart and Early Summer returns
- **Marine Area:** A12 Gn catch has remained very low while Area 20 Gn catches have been higher. A12PSn caught 42 sockeye the first day of operation. **Fraser River:** Cottonwood is now catching sockeye while Whonnock continues at low catches (<12 per day recently). Qualark Gn has dropped off recently.

### c) Stock Proportions

- **Fraser River:** AB Gn (n=22), low sample sizes, ~23% Early Stuart and ~42% Early Summer and 34% Summer
- **Marine Area:** A20 Gn (n=237) 2-4% Early Stuart, 53-56% Early Summer; 38-42% Summer.
- Stock composition is transitioning away from early timed stocks to later timed stocks. Harrison is being detected in-river (early).

### d) Environmental Conditions and Management Adjustments

- The temperature of the Fraser River at Qualark Creek on Jul 20 was 15.0°C, which is 1.9°C below average for this date. The Fraser River water discharge at Hope was 8498m<sup>3</sup>/s, which is approximately 71% above average for this date.
- Fraser salmon are likely altering their migration behaviour given high flows.
- ***The PSC recommended no changes to management adjustments at today's meeting.***

## Early Stuart and earliest returning Early Summer Window Closure Dates

Area	Start Date	End Date	Management Actions <sup>3</sup>
Areas 111, 121 and 123 to 127	June 19	July 22	No Fraser sockeye directed fisheries before July 22. (Seine (SN), gill net (GN), troll (TR))
Areas 11, 12, 13	June 19	July 22	No Fraser sockeye directed fisheries before July 22 (GN, TR) and July 25 (SN) <sup>1,2</sup>
Areas 14 to 16	June 19	July 22	No Fraser sockeye directed fisheries before July 22 (GN, TR) and Aug. 15 (SN) <sup>1</sup>
Areas 17, 19, 20 and 21	June 19	July 22	No Fraser sockeye directed fisheries before July 22. (SN, GN, TR)
Areas 18 and 29 and in-river downstream of Mission Bridge	June 27	July 27	No Fraser Sockeye directed fisheries before July 27
Mission Bridge to Sawmill Creek	June 29	July 29	No Fraser Sockeye directed fisheries before July 29
Sawmill Creek to Deadman Creek	July 2	July 31	No Fraser Sockeye directed fisheries before July 31
Deadman Creek to Naver Creek	July 6	Aug. 4	No Fraser Sockeye directed fisheries before August 4.
Naver Creek to Prince George	July 11	Aug. 9	No Fraser Sockeye directed fisheries before August 9.
Nechako River u/s of Isle Pierre	July 13	Aug. 11	No Fraser Sockeye directed fisheries before August 11 except potential FSC limited harvest in terminal areas

1. Gear restrictions remain in place to protect Sakinaw Sockeye until July 25 (Queen Charlotte and Johnstone Straits).
2. Additional Sockeye closures will remain in place in portions of Areas 11 and 12 until late July in waters north of Lewis Point
3. Management actions described here are just for Fraser Sockeye directed fisheries. Any fisheries directed on other stocks or species in the areas and times listed above may also have measures to limit impacts on Fraser bound sockeye (i.e. gear restrictions).



## CATCH (KEPT and RELEASED NUMBERS)

### FSC In-river Management Actions and Preliminary Catch to Date: July 23, 2020, \*\*

Area	Management Actions/Openings	Catch To Date			
		Sockeye		Chinook	
		Kept	Released	Kept	Released
Below Port Mann Bridge (**Updated to July 17, 2020)	Consideration for Limited Participation licences only targeting 3 chinook for unplanned events only and 1 ceremony of their choice for each community. No communal opportunities until further notice	0	0	6	0
Port Mann to Sawmill Creek (**Updated to July 17, 2020)		0	1	63	0
Sawmill Creek to Texas, including Thompson d/s Bonaparte	Same as above. Water levels have mostly been very high.			3	0
Texas to Deadman	No fisheries licensed at this time.			0	0
Deadman to Naver (includes tribs)	No fisheries licensed at this time.			0	0
Upstream of Naver Confluence (includes tribs)	No fisheries licensed at this time.			0	0
Thompson u/s of Bonaparte and tribs	No fisheries licensed at this time.			0	0

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](mailto: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](mailto:Kristopher.Hein@dfo-mpo.gc.ca)) tel: (250) 756-7028. These are produced monthly from June to September.

