



## FRASER SOCKEYE

**Fraser Panel and other in-season Meetings:**

- Fraser Panel meetings began on July 6<sup>th</sup> and take place each Tuesday and Friday at 11:00 am. If you wish to listen in to these meetings, please call 1-888-299-2873, conference ID: 902-802-337
- In-season teleconferences between DFO and Lower Fraser FN will be determined throughout the season.
- In-season teleconferences between DFO and First Nations fishing above Sawmill Creek take place on Wednesdays at 10:30 am. The conference number is 1-877-413-4781, conference ID: 696-6493

**Fraser River Sockeye In-season Update – Tuesday, August 28, 2018**

The below is a summary. If more specific details are required please refer to the attached Fraser Panel distribution for the call. If you have any questions or notice any errors in the summary please contact me [jamie.scroggie@dfo-mpo.gc.ca](mailto:jamie.scroggie@dfo-mpo.gc.ca) so I can make adjustments.

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

Week of: Aug. 26 - Sep. 1, 2018	Sockeye					Total Fraser
	Management Group					
	E.Stuart	E.Summer	Summer	Late		
Mission passage (inclds Pitt, Alouette, Coquitlam)	121,400	1,067,400	1,864,100	397,300		3,450,200
Catch downstream of Mission	1,700	623,000	1,901,600	1,436,600		3,962,900
Accounted Run To Date	123,100	1,690,400	3,765,700	1,833,900		7,413,100
Run size adopted in-season <sup>1</sup>	125,000	na	na	na		na
Run size forecasted pre-season	84,000	2,155,000	4,344,000	7,398,000		13,981,000
Area 20 timing adopted in-season	4/Jul	na	na	na		na
Area 20 timing expected pre-season	2/Jul	8/Aug	11/Aug	17/Aug		14/Aug
Johnstone Str. Diversion Rate	In-season 5-day average					38%
	Preseason forecast of annual rate:					63%

*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 7.4M Fraser sockeye of which 123k are Early Stuart, 1.7M are Early Summer, 3.8M are Summer and 1.8M are Lates.
- Test fisheries have continued to drop to very low levels indicating run is nearly over however catches in other fisheries and stock composition in samples add some uncertainty
- Diversion rate is strong through the South but increasing through the North.
- Current catch reported (4.24M), 3.18M in CA, 979k in the US, 103k in test fisheries  
Approximately 1.9M lates are estimated to be delaying in the Gulf



## In-season Data Flow

### a) Mission Acoustics

- Qualark: Daily hydroacoustic assessments of sockeye passage have decreased recently to 43-89k the last 3 days.
- Mission: Daily hydroacoustic assessments of sockeye passage have decreased recently to 52-102k the last 3 days.

Most recent counts of Hell's Gate passage has been steady

### b) Test fishing catch

- Marine: Catches have continued to decrease from a peak on August 18<sup>th</sup>.
- In-River: Catches have been good

### c) Stock Proportions

- Some Late Runs are moving into the river (18%) but a significant delay is evident (1.9M).
- Early Summer stock composition in marine assessment areas is low (~5%).
- Summers run stock id is variable ranging from 25-50%.
- Lates are dominating samples in the marine area on both routes.

### d) Environmental Conditions and Management Adjustments

- The temperature of the Fraser River at Qualark Creek on August 27<sup>th</sup> was 16.9°C, which is 0.3°C lower than average for this date.
- The Fraser River water discharge at Hope was 1984m<sup>3</sup>/s, which is approximately 24% lower than average for this date.
- The Fraser water temperature is expected to decrease to 16.7°C on September 2<sup>nd</sup>
- **The PSC recommended but the Panel did not adopt an Early Summer DBE of -37% and a Summer DBE of -22%.**
- DBEs predicted by the temperature discharge models for Early Summers and Summers are higher relative to the preseason DBEs however the river conditions are now cooler than average.

## Assessments and Recommendations

### a) Escapement Projections and Run Size Assessments

- Projecting 206k sockeye to the Fraser River over the next 6 days.
- Test fishery catches and sockeye projected to the river is low
- **The PSC recommended:**
  - **Early Summer: 1.8M with Aug 6<sup>th</sup> timing**
  - **Summer: 4M with Aug 10<sup>th</sup> timing**
  - **Lates: 4.2M with Aug 17<sup>th</sup> timing**
- **After consideration the Panel adopted an Early Summer run size of 1.8M (Aug 6<sup>th</sup> timing) and a Summer run size of 4.34M (p50, Aug 11 timing)**
- **The Fraser Panel did not formally adopt a run size for Late run sockeye but, to send a signal that we are unlikely to achieve the p50 run size, is managing to a lower provisional run size of 6M with Aug 19<sup>th</sup> timing.**

### Current Fraser River Panel Adopted Values and Potential Harvest (Adopted Changes in Bold)

Management Group	Forecast (p50)	In-Season Run Size	Timing A20 50% date	Proportional Mngt. Adjust. <sup>a</sup>	Available Harvest <sup>b</sup>	Allowable Harvest <sup>c</sup>

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

Early Stuart	84,000	125,000	Jul 4	.69	0	12,500
Early Summer	2,155,000	<b>1,800,000</b>	<b>Aug 6</b>	.23	889,956	N/A
Summer	4,344,000	<b>4,344,000</b>	<b>Aug 11</b>	.10	2,381,682	N/A
Late	7,398,000	<i>6,000,000</i>	<i>Aug 19</i>	.43	2,538,816	N/A

<sup>a</sup> Proportional Management Adjustment is multiplied by the escapement target to calculate the numerical management adjustment.

<sup>b</sup> Available harvest after deductions. Harvest includes all catch in all fisheries in Canada the United States and test fisheries. TAC will be assessed in-season.

<sup>c</sup> Allowable harvest in an LAER scenario. Allowable harvest includes test fishery catch and may include fishery induced mortalities.

**b) Criteria for Fishing Decisions**

- The Criteria of Fishing Decisions table provides information on how the run is doing relative to pre-season expectations prior to being able to update the run sizes.
- Currently tracking behind for Early Summer and Lates assuming preseason timing assumptions.

**c) Fishery Recommendations**

US Recommendations for Panel Waters:

- None

CA Recommendations for Panel Waters:

- None

**d) Fishery Evaluation**

- None

**Other Business**

- None

**Next Meeting**

- Next Panel meeting, August 31<sup>st</sup> at 11:00am



**FSC In-river Management Actions and Preliminary Harvest to Date (E.O. catch not included)**

Area	Management Actions/Openings	Harvest To Date	
		Sockeye	Chinook
Below Port Mann	Sockeye directed communal opportunities being Discussed & planned. By catch retention of chinook. No mesh restrictions.	66,683	529
Port Mann to Sawmill Creek		185,816	5,123
Sawmill to Texas, including Thompson d/s Bonaparte	Chinook and Sockeye-directed rod reel & dip net, and gill net license to September 15 23:59 open 7 days/week	96,570	1,122
Texas to Deadman	Chinook and Sockeye-directed rod reel & dip net, and gill net license issued July 30-September 15 <sup>th</sup> at 22:00. Fishing is permitted during daylight hours only.	60,034	223
Deadman to Naver (includes tribs):	Open 7 days/week.	16,891	72
Upstream of Naver Confluence (includes tribs)	Open 7 days/week in Nechako and Stuart systems.	7,781	105
Thompson u/s of Bonaparte and tribs	<p>Chinook and Sockeye directed licenses using traditional gear issued for:</p> <ul style="list-style-type: none"> <li>• Bonaparte Indian Band (amended July 25<sup>th</sup>, closes September 22 at 23:59</li> <li>• Splatsin Indian Band (July 30-September 30 at 23:59)</li> <li>• Skeetchestn Indian Band (July 23- September 22 at 23:59)</li> <li>• SIMPCW (July 26- September 30 at 23:59)</li> <li>• T'Kemlups Te Secwpemc (July 26 –September 30 at 23:59)</li> <li>• Neskonlith Indian Band (July 30-September 30 at 23:59)</li> <li>• Adams Lake Indian Band (July 30-September 30 at 23:59)</li> <li>• Little Shuswap Lake Indian Band (July 26- September 30 at 23:59)</li> </ul> <p>Chinook and Sockeye directed licenses using rod and reel, gillnet issued for:</p> <ul style="list-style-type: none"> <li>• Whispering Pines/Clinton Indian Band (July 30-Sept 15 at 23:59)</li> </ul>	4,741	46

**Note:** The most current catch reports are available online at: <http://www.pac.dfo-mpo.gc.ca/fm-gp/fraser/index-eng.html>  
 NM=Not Monitored, N/A=Not Applicable

**Economic Opportunity (E.O) in-river Preliminary Harvest to Date**

Area	Management Actions/Openings	E.O. Harvest To Date	
		Sockeye	Chinook
Below Port Mann	Short duration drift and set nets for sockeye. Non-retention Chinook.	113,054	175
Port Mann to Sawmill Creek		70,756	68

## **Recreational Sockeye Management Actions (Please see actual Fishery Notice's for details)**

**Marine Waters** –Effective August 1, until further notice, sockeye retention in most Southern BC marine waters, with a daily limit for sockeye is 4 per day ([FN0666](#)), and as of August 28<sup>th</sup>, 4 per day in 16-19 to 16-21 ([FN0876](#)).

**Fraser River Mouth<sup>1</sup> - Fraser River mouth** closed to salmon retention – *as follows*:

- Effective June 1, 2018 to September 30, 2018, no fishing for salmon in Subareas 29-7, 29-9 and 29-10.
- Effective August 1, 2018 to September 30, 2018, no retention of Chinook salmon in Subarea 29-6.

**Area 29<sup>2</sup> (Tidal Waters of the Fraser River) – Tidal Waters of the Fraser River:**

Effective August 7, 2018 until September 3, 2018 ([FN0727](#)):

- The daily limit for Sockeye salmon is four (4).
- The daily limit for Chinook salmon is four (4) with only one (1) greater than 50 cm.

**Region 2** – Effective August 7, 2018 until September 3, 2018 ([FN0726](#)):

- The daily limit for Sockeye salmon is two (2).
- The daily limit for Chinook salmon is four (4) with only one (1) greater than 50 cm.

**Region 3** –Effective August 15 until September 15, during daylight hours only, in waters of Fraser River from confluence of Fraser/Seton Rivers, downstream to the fishing boundary signs located on both sides of the river approximately 4 km downstream of Lillooet. The daily limit is two (2) sockeye per day and non-retention of chinook ([FN0746](#)). Portions of the Thompson and Fraser River opened August 22<sup>nd</sup> for sockeye and Chinook ([FN0774](#)).

**Region 5A** – Effective August 23, 2018 until Sept. 15, 2018 during daylight hours only, in the waters of Horsefly Bay located on Quesnel Lake inside a line connecting white triangular fishing boundary signs located on opposite shorelines at the entrance to the bay. Daily limit is two (2) sockeye. Non Retention of Chinook salmon ([FN0827](#))

**Region 7** –Effective August 27, 2018 until September 15th during daylight hours only on the Nechako River, upstream from the boundary signs at the confluence with the Fraser River to the downstream edge of the Foothills Boulevard Bridge, you may retain two (2) sockeye per day. Non-retention of Chinook Salmon due to Zone 1 management actions for Spring and Summer Chinook ([FN0855](#))

**(Region 8** – Fraser Chinook opportunities exist ([FN0434](#)))

## **Commercial Sockeye Management Actions\***

### **Area 29 and Region 2 Economic Opportunity, Short duration openings**

- Tsawwassen First Nation Opening August 25<sup>th</sup><sup>h</sup> for sockeye salmon using drift and set nets. Non-retention Chinook ([FN0863](#))
- Groups in the Lower Fraser (*See F.N. for details*) for sockeye salmon using drift and set nets. Non-retention Chinook opening August 27 and August 30 ([FN0859](#);[FN0901](#))

### **Region 3 Economic Opportunity**

<sup>1</sup> Mouth of Fraser River includes Subareas 29-6, 29-7, 29-10 and Subarea 29-9, except for that portion east of a line drawn from Garry Point on Lulu Island to Pelly Point on Riefel Island.

<sup>2</sup> Tidal waters of the Fraser River include Subareas 29-11 to 29-17 and that portion of Subarea 29-9 east of a line drawn from Garry Point on Lulu Island to Pelly Point on Riefel Island.



- Secwepemc Fisheries Commission Commercial Fishing Enterprise “River Fresh”, Opening August 31 until further notice with purse seines for sockeye in Kamloops Lake; Chinook non-retention ([FN0886](#)).

**Area B Seine and Area H Troll:** Effective June 1 to September 30, 2018, there is no commercial salmon fishing in Subareas 20-3, 20-4 and that portion of Subarea 20-5 that lies west of 123 degrees 49.30 minutes west longitude (Otter Point) ([FN0428](#)).

**Area B Seine and Area H Troll:** Effective June 1 to September 30, 2018 there is no commercial salmon fishing in Subareas 18-2, 18-4, 18-5 and 18-9 ([FN0428](#)).

**Area B Seine:** Effective August 8, 2018 until further notice, ITQ demonstration fishery opening in portions of Area 12 and 13 ([FN0711](#); [FN834](#); [FN0851](#); [FN0864](#); [FN0879](#)).

**Area D Gillnet:**

- Short duration openings started August 9 in Area 11, portions of Area 12, and Area 13 targeting Fraser sockeye ([FN0731](#)) and continued August 18<sup>th</sup> ([FN0812](#)), August 21 ([FN0818](#)), August 25 ([FN0866](#)), and August 29 ([FN0882](#))
- Limited effort demonstration fishing opportunities directed at Fraser sockeye in Subarea 12-9 targeted on sockeye ([FN0750](#); [FN0817](#)).

**Area H Troll:** Remains open until further notice: subareas 12-1, 12-3 to 12-5, portion of subarea 13-7, subareas 13-8 and 13-9, portion of 13-10, 13-11, subareas 13-27 to 13-32, subareas 18-1, 18-11, and 29-1 to 29-6 open to an ITQ demonstration opportunity targeting sockeye ([FN0712](#); [FN0835](#); [FN0850](#)), and as of August 25<sup>th</sup>, subareas 12-9, 12-10, 12-11 and portions of 12-12 and 12-16 ([FN0865](#); [FN0881](#)).

**Area 124,125,126 T’aaq-wiihak Demonstration Fraser sockeye Troll fishery** opened August 29 ([FN0892](#))

*\*non-retention of Chinook is highlighted here, though non-retention of Coho, steelhead, sturgeon also occurs*  
In-season Updates will occur weekly from mid-July until mid-September.

[Fishery Notices](#) provide in-season information with regards to commercial and recreational openings.

**Interior Fraser Coho**

Within the Fraser River, the “window closure” has been the primary tool applied in First Nations, commercial, and recreational fisheries to protect Interior Fraser Coho from non-selective fishing gear (e.g. gill nets, rod and reel fishing with bait). Selective fishing gear (e.g. beach seines, rod and reel fishing with no bait, dip nets) has been allowed to proceed within these window closure dates. During the times and areas specified below, fisheries will be closed for non-selective fishing gear, and only selective or limited experimental fisheries will be permitted (Southern Salmon 2018 IFMP pg.316).

<b>Subareas 29-6, 29-7, 29-9 and 29-10</b>	September 4 to October 5
<b>Fraser River - Below Mission</b>	September 4 to October 5
<b>Fraser River - Mission to Hope</b>	September 6 to October 8
<b>Fraser River - Hope to Sawmill Creek</b>	September 8 to October 13
<b>Fraser River - Sawmill Creek to Lytton</b>	September 16 to December 31
<b>Fraser River - Lytton to Williams Lake River</b>	September 23 to December 31
<b>Fraser River - Upstream of Williams Lake River</b>	October 1 to December 31
<b>Thompson River Downstream of the confluence of the North and South Thompson Rivers</b>	September 23 to December 31
<b>Thompson River Upstream of the confluence of the North and South Thompson Rivers</b>	October 1 to December 31