



2007 Fraser River Recreational Fishery Assessment

Final Results – May 1st to November 30th, 2007

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REGULATIONS

The freshwater fishing boundary for the Fraser River is upstream of the Mission Bridge. The recreational fishery is closed at night, from one hour after sunset to one hour before sunrise.

	Retention Open	Daily Limit	Notes
Chinook	May 1 to Dec 31	4	only 1 above 50 cm (62cm after Sep 6)
Sockeye	No Openings	0	No openings
Coho	Oct 9 to Dec 31?	0	opportunities expected
Chum	Jan 1 to Dec 31	2	
Pink	Jan 1 to Dec 31	4	

A complete listing of regulations can be viewed at the Fisheries and Oceans Canada Pacific Region Recreational Fishery webpage: http://www.pac.dfo-mpo.gc.ca/recfish/default_e.htm. All Fisheries and Oceans fishery notices can be viewed at: <http://ops.info.pac.dfo.ca/fishman/fnotice/fnotice.htm>

STUDY AREA

May: Mouth of the Sumas (Vedder) River, upstream to the mouth of the Coquihalla River. The Agassiz Bridge separates this area into 2 regions.

June: Extremely high waters caused very unfavourable angling conditions. The study area was adapted to shifting angler effort as follows (see methods):

June 1st to 6th: Mouth of the Sumas (Vedder) River upstream to the mouth of the Coquihalla River.

June 7th to 26th: Mouth of the Coquihalla River upstream to the mouth of Spuzzum Creek.

June 27th to 30th: Mouth of the Sumas (Vedder) River upstream to the mouth of the Coquihalla River.

July: Mouth of the Sumas (Vedder) River, up stream to the mouth of the Coquihalla River. The Agassiz Bridge separates this area into 2 regions.

August: The normal study area (Sumas River to Hope) was closed to angling from August 20th to August 30th due to low sockeye returns. As a result, the study area was adapted to shifting angler effort as follows (see methods):

August 1st to 19th: Mouth of the Sumas (Vedder) River upstream to the mouth of the Coquihalla River.

August 21st to 31st: Mouth of the Coquihalla River (Hope, BC) upstream to the mouth of Spuzzum Creek (Alexander Bridge).



September: Mouth of the Sumas River (Chilliwack) upstream to the mouth of the Coquihalla River (Hope).

October 1-8: Mouth of the Sumas River (Chilliwack) upstream to the mouth of the Coquihalla River (Hope).

October 9-31: Pattullo Bridge (New Westminster) upstream to the Aggasiz Rosedale Bridge (Aggasiz).

November 1-31: Pattullo Bridge (New Westminster) upstream to the Aggasiz Rosedale Bridge (Aggasiz).

SURVEY METHODS

May 1st to 31st: Two surveyors conducted interviews at either Island 22 or Barrowtown boat launch. Hourly rod counts were conducted by boat at the Grassy Bar area (near Chilliwack Mountain).

During the month of June, water levels in the lower Fraser Area reached very high levels. The high and unsafe water levels had a negative impact on recreational angling. Island 22, the most frequently used boat launch for the study area, was shut down for flood preparations. This factor combined with heavy debris in the water, as well as most preferred fishing locations being underwater, caused a dramatic decline in angling effort within the study area. In order to follow what angling effort was still present, the study area changed for part of June. On June 7th, the crew focused survey effort to the lower Fraser canyon creek mouth fishery (Hope upstream to Alexander Bridge). Three days were spent on recon (locating all creek mouths, access paths, travel time, etc.) in order to create a preliminary study design. The basic June study design is briefly outlined below.

June 1st to 7th: Two surveyors conducted interviews at Barrowtown boat launch. Hourly rod counts were conducted by boat at the Grassy Bar area (near Chilliwack Mountain).

June 8th to 26th: Roving surveys were conducted at creek mouths from the Coquihalla River up to Spuzzum Creek. Hourly rod counts were conducted at the area around the mouth of the Coquihalla River. Instantaneous effort counts were done by vehicle and included all surveyed creek mouths.

June 27th to August 20th: One surveyor conducted interviews at Island 22, of anglers returning at the end of their fishing trip. A second surveyor conducted interviews at Landstrom Bar in Hope. Hourly rod counts were conducted at the Landstrom site.

On August 21st (up to Aug 30th), the mainstem of the Fraser river, below Hope, was closed to all angling. Similar to June, in order to assess what angling effort was still present, the crew focused survey effort to the lower Fraser canyon creek mouth fishery (Hope upstream to Alexander Bridge).

August 21st to 31st: Roving surveys were conducted at creek mouths from the Coquihalla River up to Spuzzum Creek. Hourly rod counts were conducted at the area around the mouth of the Coquihalla River. Instantaneous effort counts were done by vehicle and included all surveyed creek mouths.

September 1st to 20th: One surveyor conducted interviews at Island 22 in Chilliwack. The second surveyor conducted interviews and hourly rod counts at Landstrom Bar in Hope.

September 21st to October 8th: One surveyor conducted interviews at Island 22 in Chilliwack. Due to a shift in angling effort to the lower region of the study area, the second surveyor conducted interviews and hourly rod counts at Pegleg Bar.

October 9th to November 30th: One surveyor conducted interviews at Island 22 in Chilliwack. The second surveyor conducted interviews and hourly rod counts at Derby Reach in Fort Langley.



Interviews were obtained from anglers who had finished fishing for the day. At the end of their shift, surveyors collected interviews from anglers still fishing (incomplete interviews) at sites where it was possible. Instantaneous rod counts (IRCs) were conducted twice per week (one weekend and one weekday flight per week) by fixed wing plane. The overflights covered the entire study area and were randomly assigned. Sites that had hourly rod counts preformed had a total of 9 counts per day. In the canyon (Hope to Spuzzum Creek), the overflights were replaced by vehicle counts. The surveyor would travel to each creek mouth as quickly and safely as they could, and count the anglers actively fishing.

Surveyors worked all weekends and holidays with rotating days off during the weekdays. Surveyors worked one of two shifts (morning or afternoon), which were randomly assigned to each survey day. These shifts combined to span the entire daylight period.

Surveyors conducted angler interviews at their survey site to obtain the following information: where the angler was fishing, party size, length of angling trip, how much longer they intend to fish, target species, gear used, total catch retained, and total catch released. Further, if permitted by the angler, the surveyor inspected the catch to determine whether the angler's species identification was correct and to check for adipose fin-clipped (AFC) fish. Heads from AFC Chinook and coho were requested by surveyors due to the possibility of CWT (coded-wire-tag) presence. If there was any doubt that an adipose might have been clipped for a particular fish, for example if the adipose fin was partially regenerated or malformed, the fish was classified as AFC.

Interviews were used to determine harvest-per-unit-effort (HPUE), release-per-unit effort (RPUE) and to summarize the angler characteristics listed above. Daily effort is calculated using a combination of interview data, hourly rod counts conducted at the survey sites, and overflight rod counts of the survey area. Using the total effort estimate, HPUE and RPUE are expanded to determine harvest and release numbers by species for the entire study area. Such analyses are documented in several DFO publications (Schubert 1992; Schubert 1995).

Interviews from anglers fishing systems other than the Fraser River were excluded from this analysis. Interviews from anglers only targeting sturgeon were also excluded from this analysis. Sturgeon release was not estimated due to different effort profiles required for sturgeon analysis. For anglers alternating fishing effort between sturgeon and salmon, the time fishing for sturgeon and the sturgeon release data were excluded from these interviews; only salmon fishing hours, release and harvest data were included.

DATA ANALYSIS

Data were stored and analyzed using DPA software. The data were verified in three steps. First, all field data sheets were examined for compliance with study procedures by the supervising technician and/or the creel data manager. Second, during data entry, the data entry program performed 31 automatic error checks, including duplication detection, code validity, and range and consistency verification. Third, after data entry was complete, all data were imported into an excel file for verification with the field data sheets; all data were error checked once by the supervising technician.



RESULTS

Water Levels

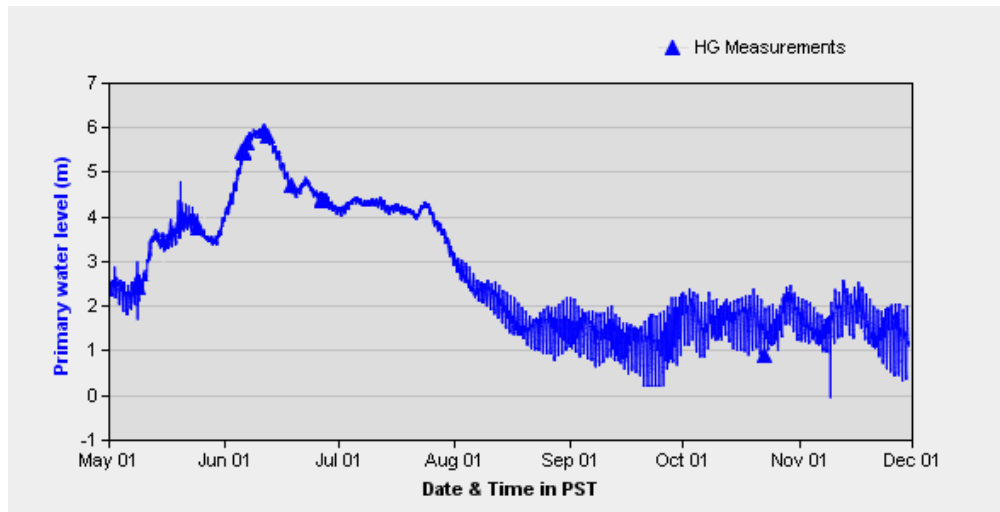


Figure 1 – 2007 Fraser River primary water level from May 1st to November 30th, 2007, at the Hope Hydrometric Station, Environment Canada Website: <http://scitech.pyr.ec.gc.ca/waterweb/fullgraph.asp> (as accessed on Jan 15th, 2008).

Angler Effort

Table 1 – Average instantaneous angler effort from instantaneous effort counts of the Fraser River mainstem (Sumas to Hope, during the 2007 Fraser River recreational fishery assessment).

	May	June	July	August	September	October	November
# of IRCs	8	6	7	7	9	6	6
Avg weekday count	7	15	71	254	230	80	11
Avg weekend count	14	38	192	429	590	128	56

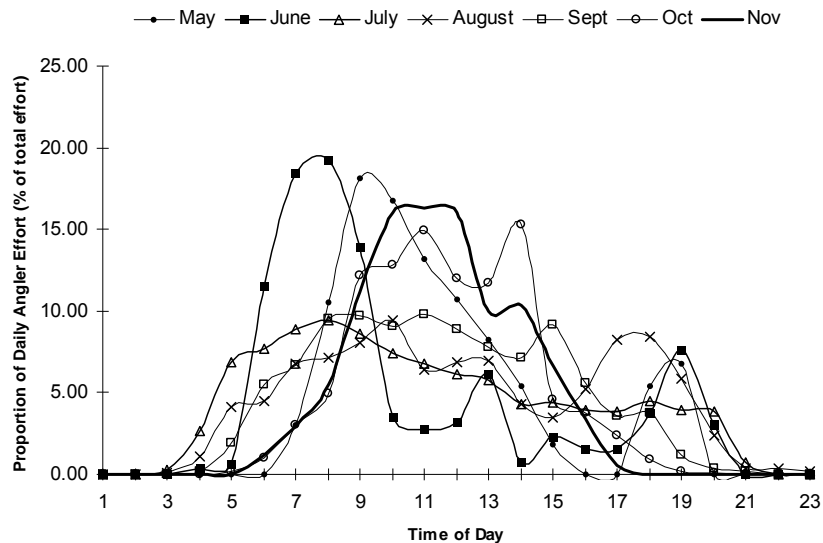


Figure 2 - Average hourly effort profiles for weekdays (by month) from May 1st to November 30th, during the 2007 Lower Fraser recreational fishery.

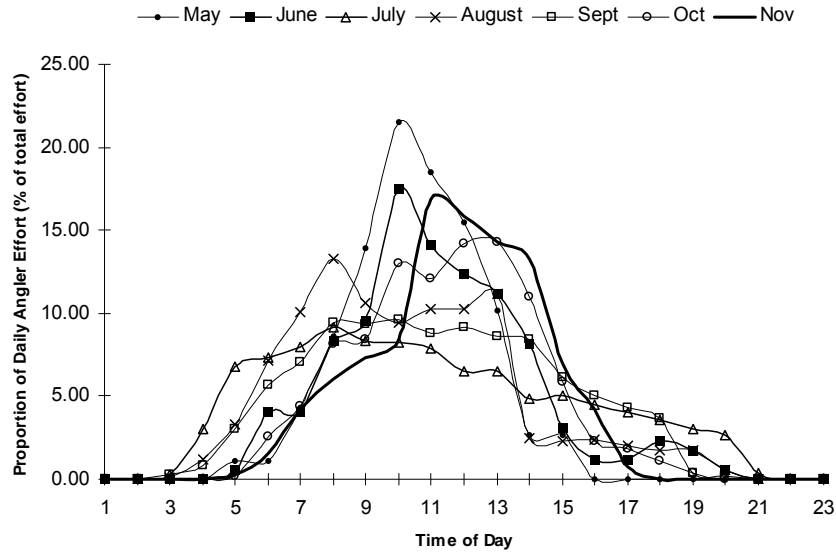


Figure 3 - Average hourly effort profiles for weekends (by month) from May 1st to November 30th, during the 2007 Lower Fraser recreational fishery.

Catch Rates

The average target species on the Fraser River from May 1st to November 30th, was Chinook. There was a total estimated effort of 281,561 angler hours. Average HPUE and RPUE for this reporting period are summarized below (tables 1 to 4). When permitted by the angler, all catch were inspected for proper species identification. Catch was inspected for 70% (1403 anglers) of the creel interviews and of these inspections, anglers had correctly identified the species in 99.99% of these interviews.

Table 2 – Average harvest per unit effort, HPUE, (fish retained per hour of effort), by month, during May 1st through November 30th for the 2007 Lower Fraser River Mainstem (Sumas to Hope) recreational fishery.

HPUE	May	June ¹	July	August ²	September	October	November
Chinook Adult	0.009	0.03	0.03	0.05	0.03	0.001	0
Chinook Jack	0	0	0	0.0002	0.003	0.0009	0
Coho Adult	0	0	0	0	0.00007	0.004	0.002
Coho Jack	0	0	0	0	0	0.002	0
Sockeye	0	0	0	0	0.0001	0	0
Pink	0	0	0	0.001	0.2	0.001	0
Chum	0	0	0	0	0.0008	0.03	0.2

¹ – Mission to Hope was surveyed from June 1st to 6th and June 27th to June 30th due to extremely high water levels causing very unfavourable angling conditions, during June 7th to 26th. During June 7th to 26th, the assessment shifted to the Hope Canyon (Hope to Alexandra Bridge).

² – Mission to Hope was surveyed from Aug 1st to 20th due to the mainstem (up to Hope) being closed to all angling to allow passage of sockeye stocks. During August 21st to 31st, the assessment shifted to the Hope Canyon (Hope to Alexandra Bridge).



Table 3 – Average harvest per unit effort, RPUE, (fish retained per hour of effort), by month, during May 1st through November 30th for the 2007 Lower Fraser River Mainstem (Sumas to Hope) recreational fishery.

RPUE	May	June ¹	July	August ²	September	October	November
Chinook Adult	0	0	0	0.001	0.002	0.002	0
Chinook Jack	0	0	0	0	0.0007	0.002	0
Coho Adult	0	0	0	0	0.001	0.02	0.006
Coho Jack	0	0	0	0	0	0.01	0
Sockeye	0	0.001	0.02	0.3	0.01	0.006	0
Pink	0	0	0	0.003	0.5	0.09	0
Chum	0	0	0	0	0.005	0.1	0.4

Table 4 – Average harvest per unit effort, HPUE, (fish retained per hour of effort), by month, during May 1st through November 30th for the 2007 Lower Fraser River Canyon (Hope to Alexandra Bridge) recreational fishery.

HPUE	June 7-26	Aug 21-31
Chinook Adult	0.008	0.05
Chinook Jack	0	0
Coho Adult	0	0
Coho Jack	0	0
Sockeye	0	0
Pink	0	0.02
Chum	0	0

Table 5 – Average harvest per unit effort, RPUE, (fish retained per hour of effort), by month, during May 1st through November 30th for the 2007 Lower Fraser River Canyon (Hope to Alexandra Bridge) recreational fishery.

RPUE	June 7-26	Aug 21-31
Chinook Adult	0	0.005
Chinook Jack	0.001	0
Coho Adult	0	0
Coho Jack	0	0
Sockeye	0	0.1
Pink	0	0.08
Chum	0	0



Table 6 - Fraser River recreational fishery assessment results from **May 1st-15th, 2007**. Data stratified into weekend (including holidays) and weekday.

**FRASER RIVER MAINSTEM RECREATIONAL FISHERY ASSESSMENT
RESULTS**

(STUDY PERIOD: May 1 - 15, 2007)

	SOURCE DATA			
	Weekend		Weekdays	
Open Days in Study Period	4		11	
Number of Survey Shifts	4		6	
Number of Interviews	16		15	
Interview Hours	35		51.5	
Estimated Total Effort (Hours)	718		348	
	CATCH ESTIMATES			
	Weekends		Weekdays	
	Harvest	Release	Harvest	Release
Chinook Adult	0	0	18	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	18	—
Chinook Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Adult	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Sockeye	0	0	0	0
Pink	0	0	0	0
Chum	0	0	0	0



Table 7 - Fraser River recreational fishery assessment results from **May 16th-31st, 2007**. Data stratified into weekend (including holidays) and weekday.

**FRASER RIVER MAINSTEM RECREATIONAL FISHERY ASSESSMENT
RESULTS**

(STUDY PERIOD: May 16-31, 2007)

	SOURCE DATA			
	Weekend		Weekdays	
Open Days in Study Period	5		11	
Number of Survey Shifts	5		5	
Number of Interviews	13		15	
Interview Hours	55		49	
Estimated Total Effort (Hours)	460		420	
	CATCH ESTIMATES			
	Weekends		Weekdays	
	Harvest	Release	Harvest	Release
Chinook Adult	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Chinook Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Adult	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Sockeye	0	0	0	0
Pink	0	0	0	0
Chum	0	0	0	0



Table 8 - Fraser River recreational fishery assessment results from June 1st-6th, 2007. Data stratified into weekend (including holidays) and weekday.

**FRASER RIVER MAINSTEM RECREATIONAL FISHERY ASSESSMENT
RESULTS**

(STUDY PERIOD: June 1-6, 2007)

	SOURCE DATA			
	Weekend		Weekdays	
Open Days in Study Period	2		4	
Number of Survey Shifts	2		3	
Number of Interviews	7		5	
Interview Hours	19		10	
Estimated Total Effort (Hours)	120		711	
	CATCH ESTIMATES			
	Weekends		Weekdays	
	Harvest	Release	Harvest	Release
Chinook Adult	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Chinook Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Adult	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Sockeye	0	0	0	0
Pink	0	0	0	0
Chum	0	0	0	0



Table 9 - Fraser River recreational fishery assessment results from **June 7th-26th, 2007**. Data stratified into weekend (including holidays) and weekday.

**FRASER RIVER LOWER CANYON RECREATIONAL FISHERY ASSESSMENT
RESULTS**

(STUDY PERIOD: June 7-26, 2007)

	SOURCE DATA			
	Weekend		Weekdays	
Open Days in Study Period	6		14	
Number of Survey Shifts	6		8	
Number of Interviews	101		93	
Interview Hours	362.5		297	
Estimated Total Effort (Hours)	559		423	
	CATCH ESTIMATES			
	Weekends		Weekdays	
	Harvest	Release	Harvest	Release
Chinook Adult	4	0	4	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	4	—	4	—
Chinook Jack	0	0	0	1
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Adult	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Sockeye	0	0	0	0
Pink	0	0	0	0
Chum	0	0	0	0



Table 10 - Fraser River recreational fishery assessment results from **June 27th-30th, 2007**. Data stratified into weekend (including holidays) and weekday.

**FRASER RIVER MAINSTEM RECREATIONAL FISHERY ASSESSMENT
RESULTS**

(STUDY PERIOD: June 27-30, 2007)

	SOURCE DATA			
	Weekend		Weekdays	
Open Days in Study Period	1		3	
Number of Survey Shifts	1		2	
Number of Interviews	23		26	
Interview Hours	55.5		10.5	
Estimated Total Effort (Hours)	1,036		720	
	CATCH ESTIMATES			
	Weekends		Weekdays	
	Harvest	Release	Harvest	Release
Chinook Adult	41	0	40	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	41	—	40	—
Chinook Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Adult	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Sockeye	0	3	0	0
Pink	0	0	0	0
Chum	0	0	0	0



Table 11 - Fraser River recreational fishery assessment results from **July 1st – 15th, 2007**. Data stratified into weekend (including holidays) and weekday.

**FRASER RIVER MAINSTEM RECREATIONAL FISHERY ASSESSMENT
RESULTS**

(STUDY PERIOD: July 1 - 15, 2007)

	SOURCE DATA			
	Weekend/Holiday		Weekday	
Open Days in Study Period	6		9	
Number of Survey Shifts	6		5	
Number of Interviews	350		148	
Interview Hours	1,760.5		681.5	
Estimated Total Effort (Hours)	12,297		5,350	
	CATCH ESTIMATES			
	Weekend/Holiday		Weekday	
	Harvest	Release	Harvest	Release
Chinook Adult	435	0	134	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	435	—	134	—
Chinook Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Adult	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Sockeye	0	91	0	6
Pink	0	0	0	0
Chum	0	0	0	0



Table 12 - Fraser River recreational fishery assessment results from **July 16th-31st, 2007**. Data stratified into weekend (including holidays) and weekday.

**FRASER RIVER MAINSTEM RECREATIONAL FISHERY ASSESSMENT
RESULTS**

(STUDY PERIOD: July 16-31, 2007)

	SOURCE DATA			
	Weekend/Holiday		Weekday	
	Harvest	Release	Harvest	Release
Open Days in Study Period	4		12	
Number of Survey Shifts	4		7	
Number of Interviews	303		271	
Interview Hours	1,478		1,517	
Estimated Total Effort (Hours)	10,820		15,857	
	CATCH ESTIMATES			
	Weekend/Holiday		Weekday	
	Harvest	Release	Harvest	Release
Chinook Adult	180	0	466	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	180	—	466	—
Chinook Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Adult	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Sockeye	0	362	0	231
Pink	0	0	0	0
Chum	0	0	0	0



Table 13 - Fraser River recreational fishery assessment results from August 1st to 20th, 2007. Data stratified into weekend (including holidays) and weekday.

**FRASER RIVER MAINSTEM RECREATIONAL FISHERY ASSESSMENT
RESULTS**

(STUDY PERIOD: Aug 1-20, 2007)

	SOURCE DATA			
	Weekend/Holiday		Weekday	
Open Days in Study Period	7		13	
Number of Survey Shifts	7		7	
Number of Interviews	684		438	
Interview Hours	3,815		2,243	
Estimated Total Effort (Hours)	37,794		37,894	
	CATCH ESTIMATES			
	Weekend/Holiday		Weekday	
	Harvest	Release	Harvest	Release
Chinook Adult	1,299	25	2,327	81
marked (adipose missing)	0	—	32	—
unmarked (adipose present)	1,299	—	2,295	—
Chinook Jack	15	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	15	—	0	—
Coho Adult	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Sockeye	0	11,500	0	10,224
Pink	45	69	28	135
Chum	0	0	0	0



Table 14 - Fraser River recreational fishery assessment results from August 21st to 31st, 2007. Data stratified into weekend (including holidays) and weekday.

FRASER RIVER LOWER CANYON RECREATIONAL FISHERY ASSESSMENT RESULTS

(STUDY PERIOD: Aug 21-31, 2007)

	SOURCE DATA			
	Weekend/Holiday		Weekday	
Open Days in Study Period	2		9	
Number of Survey Shifts	2		6	
Number of Interviews	28		86	
Interview Hours	134		372.5	
Estimated Total Effort (Hours)	242		558	
	CATCH ESTIMATES			
	Weekend/Holiday		Weekday	
	Harvest	Release	Harvest	Release
Chinook Adult	14	0	25	4
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	14	—	25	—
Chinook Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Adult	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Sockeye	0	38	0	40
Pink	4	22	12	43
Chum	0	0	0	0



Table 15 - Fraser River recreational fishery assessment results from **September 1st to 15th, 2007**. Data stratified into weekend (including holidays) and weekday.

**FRASER RIVER MAINSTEM RECREATIONAL FISHERY ASSESSMENT
RESULTS**

(STUDY PERIOD: Sep 1-15, 2007)

	SOURCE DATA			
	Weekend/Holiday		Weekday	
Open Days in Study Period	6		9	
Number of Survey Shifts	6		5	
Number of Interviews	797		286	
Interview Hours	4,592		1,705	
Estimated Total Effort (Hours)	43,082		26,274	
	CATCH ESTIMATES			
	Weekend/Holiday		Weekday	
	Harvest	Release	Harvest	Release
Chinook Adult	1,840	90	812	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	1,840	—	812	—
Chinook Jack	141	6	85	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	141	6	85	—
Coho Adult	8	74	0	22
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	8	74	0	—
Coho Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Sockeye	11	1,097	0	133
Pink	5,872	15,807	5,268	9,195
Chum	0	0	0	0



Table 16 - Fraser River recreational fishery assessment results from **September 16th to 30th, 2007**. Data stratified into weekend (including holidays) and weekday.

**FRASER RIVER MAINSTEM RECREATIONAL FISHERY ASSESSMENT
RESULTS**

(STUDY PERIOD: September 16-30, 2007)

	SOURCE DATA			
	Weekend/Holiday		Weekday	
Open Days in Study Period	5		10	
Number of Survey Shifts	5		6	
Number of Interviews	470		490	
Interview Hours	2,158		2,506	
Estimated Total Effort (Hours)	15,700		26,610	
	CATCH ESTIMATES			
	Weekend/Holiday		Weekday	
	Harvest	Release	Harvest	Release
Chinook Adult	211	85	89	3
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	211	—	89	—
Chinook Jack	69	64	43	13
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	69	—	43	—
Coho Adult	0	584	0	426
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Sockeye	0	217	0	101
Pink	5,322	18,557	1,433	8,391
Chum	50	408	40	128



Table 17 - Fraser River recreational fishery assessment results from **October 1st to 8th, 2007**. Data stratified into weekend (including holidays) and weekday.

**FRASER RIVER MAINSTEM RECREATIONAL FISHERY ASSESSMENT
RESULTS**

(STUDY PERIOD: Oct 1st to 8th, 2007)

	SOURCE DATA			
	Weekend/Holiday		Weekday	
Open Days in Study Period	3		5	
Number of Survey Shifts	3		3	
Number of Interviews	190		78	
Interview Hours	813		390	
Estimated Total Effort (Hours)	7,371		1,864	
	CATCH ESTIMATES			
	Weekend/Holiday		Weekday	
	Harvest	Release	Harvest	Release
Chinook Adult	7	66	10	18
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	7	—	10	—
Chinook Jack	7	26	5	3
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	7	—	5	—
Coho Adult	0	115	0	45
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Sockeye	0	128	0	30
Pink	11	2,261	33	718
Chum	336	1,468	15	167



Table 18 - Fraser River recreational fishery assessment results from October 9th to 31st, 2007. Data stratified into weekend (including holidays) and weekday.

**FRASER RIVER MAINSTEM RECREATIONAL FISHERY ASSESSMENT
RESULTS**

(STUDY PERIOD: 9th to 31st, 2007)

	SOURCE DATA			
	Weekend/Holiday		Weekday	
Open Days in Study Period	6		17	
Number of Survey Shifts	6		9	
Number of Interviews	418		420	
Interview Hours	2,346		2,196	
Estimated Total Effort (Hours)	7,446		17,819	
	CATCH ESTIMATES			
	Weekend/Holiday		Weekday	
	Harvest	Release	Harvest	Release
Chinook Adult	6	4	17	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	6	—	17	—
Chinook Jack	9	4	11	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	9	—	11	—
Coho Adult	30	115	113	0
marked (adipose missing)	30	—	88	—
unmarked (adipose present)	0	—	25	—
Coho Jack	0	39	66	0
marked (adipose missing)	0	—	54	—
unmarked (adipose present)	0	—	12	—
Sockeye	0	0	0	0
Pink	0	23	0	0
Chum	237	854	141	0



Table 19 - Fraser River recreational fishery assessment results from **November 1st to 15th, 2007**. Data stratified into weekend (including holidays) and weekday.

**FRASER RIVER MAINSTEM RECREATIONAL FISHERY ASSESSMENT
RESULTS**

(STUDY PERIOD: November 1st to 15th, 2007)

	SOURCE DATA			
	Weekend/Holiday		Weekday	
Open Days in Study Period	5		10	
Number of Survey Shifts	5		6	
Number of Interviews	213		109	
Interview Hours	838		426	
Estimated Total Effort (Hours)	6,821		1,650	
	CATCH ESTIMATES			
	Weekend/Holiday		Weekday	
	Harvest	Release	Harvest	Release
Chinook Adult	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Chinook Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Adult	16	52	0	11
marked (adipose missing)	16	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Sockeye	0	0	0	0
Pink	0	0	0	0
Chum	922	2,197	537	1,401



Table 20 - Fraser River recreational fishery assessment results from **November 16th to 30th, 2007**. Data stratified into weekend (including holidays) and weekday.

**FRASER RIVER MAINSTEM RECREATIONAL FISHERY ASSESSMENT
RESULTS**

(STUDY PERIOD: November 16th to 30th, 2007)

	SOURCE DATA			
	Weekend/Holiday		Weekday	
Open Days in Study Period	4		11	
Number of Survey Shifts	4		7	
Number of Interviews	56		26	
Interview Hours	197		75	
Estimated Total Effort (Hours)	2,862		563	
	CATCH ESTIMATES			
	Weekend/Holiday		Weekday	
	Harvest	Release	Harvest	Release
Chinook Adult	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Chinook Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Adult	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Coho Jack	0	0	0	0
marked (adipose missing)	0	—	0	—
unmarked (adipose present)	0	—	0	—
Sockeye	0	0	0	0
Pink	0	0	0	0
Chum	335	986	3	16



Table 21 - Fraser River recreational fishery, from Sumas River up to the mouth of the Coquihalla River, assessment evaluation from **May 1st to November 30th, 2007**. Total harvest and release (weekend and weekday data combined). Times when the mainstem from Mission Bridge to Hope were not surveyed have been excluded from this table and are included below.

Fraser River Mainstem - Mission Bridge to Hope								
	May	June ¹	July	August ²	Sept	October	Nov	2007 TOTALS
Number of Interviews	59	61	1,072	1,122	2,043	1,106	404	5,867
Interview Hours	191	276	5,432	6,059	10,962	5,746	1,536	30,200
Number of Overflights	8	4	7	7	9	7	6	48
Average Overflight Count	11	39	125	329	415	76	40	148

ANGLER EFFORT

Estimated Effort (hours)	1,946	2,587	45,324	75,778	111,666	35,832	10,246	283,379
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ESTIMATED HARVEST

Chinook Adult	18	81	1,218	3,626	2,953	41	0	7,937
Chinook Jack	0	0	0	15	338	33	0	386
Coho Adult	0	0	0	0	8	144	16	168
Coho Jack	0	0	0	0	0	66	0	66
Sockeye	0	0	0	0	11	0	0	11
Pink	0	0	0	73	17,893	46	0	18,012
Chum	0	0	0	0	90	1,120	1,797	3,007

ESTIMATED RELEASE

Chinook Adult	0	0	0	106	179	88	0	373
Chinook Jack	0	0	0	0	83	58	0	141
Coho Adult	0	0	0	0	1,107	649	64	1,820
Coho Jack	0	0	0	0	0	377	0	377
Sockeye	0	3	689	21,724	1,548	222	0	24,186
Pink	0	0	0	204	51,949	3,360	0	55,513
Chum	0	0	0	0	536	4,937	4,595	10,068

¹ – Mission to Hope was surveyed from June 1st to 6th and June 27th to June 30th due to extremely high water levels causing very unfavourable angling conditions, during June 7th to 26th. During June 7th to 26th, the assessment shifted to the Hope Canyon (Hope to Alexandra Bridge).

² – Mission to Hope was surveyed from Aug 1st to 20th due to the mainstem (up to Hope) being closed to all angling to allow passage of sockeye stocks. During August 21st to 31st, the assessment shifted to the Hope Canyon (Hope to Alexandra Bridge).



Table 22 - Fraser River recreational fishery, from the mouth of the Coquihalla River up to the Alexandra Bridge, assessment evaluation for a portion of June and August, 2007. Total harvest and release (weekend and weekday data combined).

	Fraser River Canyon - Hope up to the Alexandra Bridge		
	June 7-26	August 21-31	Totals
Number of Interviews	194	114	308
Interview Hours	660	462	1,121
Number of Overflights	4	4	8
Average Overflight Count	4	5	5

ANGLER EFFORT

Estimated Effort (hours)	982	800	1,782
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ESTIMATED HARVEST

Chinook Adult	8	40	48
Chinook Jack	0	0	0
Coho Adult	0	0	0
Coho Jack	0	0	0
Sockeye	0	0	0
Pink	0	16	16
Chum	0	0	0

ESTIMATED RELEASE

Chinook Adult	0	4	4
Chinook Jack	1	0	1
Coho Adult	0	0	0
Coho Jack	0	0	0
Sockeye	0	78	78
Pink	0	65	65
Chum	0	0	0



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