

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 20 (East) July 2019



*Prepared By:*

South Coast Salmon Stock Assessment Section

Thursday 27<sup>th</sup> August, 2020



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**Table 1: Numbers of Interviews conducted contributing to the area by day and access site.**

Date	Day Type	Becher Bay		Flemming		Jock's Dock (Crab Shack)		Pedder Bay	
		AM	PM	AM	PM	AM	PM	AM	PM
28 Jun 2019	Midweek								
29 Jun 2019	Weekend								
30 Jun 2019	Weekend								
01 Jul 2019	Weekend								
02 Jul 2019	Midweek								
03 Jul 2019	Midweek								
04 Jul 2019	Midweek						2		
05 Jul 2019	Midweek								
06 Jul 2019	Weekend								2
07 Jul 2019	Weekend						4		
08 Jul 2019	Midweek								
09 Jul 2019	Midweek								
10 Jul 2019	Midweek								
11 Jul 2019	Midweek								
12 Jul 2019	Midweek					6			
13 Jul 2019	Weekend	3							9
14 Jul 2019	Weekend								
15 Jul 2019	Midweek						4		4
16 Jul 2019	Midweek								
17 Jul 2019	Midweek								
18 Jul 2019	Midweek	3				4			
19 Jul 2019	Midweek								
20 Jul 2019	Weekend		11	3					
21 Jul 2019	Weekend					4			19
22 Jul 2019	Midweek								
23 Jul 2019	Midweek							2	
24 Jul 2019	Midweek		2						
25 Jul 2019	Midweek								
26 Jul 2019	Midweek								
27 Jul 2019	Weekend								
28 Jul 2019	Weekend								
29 Jul 2019	Midweek								7
30 Jul 2019	Midweek								
31 Jul 2019	Midweek		2						
01 Aug 2019	Midweek								
02 Aug 2019	Midweek								
03 Aug 2019	Weekend				5				

Table 2: Daily tally of interviews, catch and effort.

Date	Day	Average Fishing Conditions	Interviews & Log Trips	Chinook	Coho	Sockeye	Halibut	Observed Fishing	Flight Time	Expanded Fishing
28-Jun-2019	Friday		0							
29-Jun-2019	Saturday		0					97	1029	173
30-Jun-2019	Sunday		0							
01-Jul-2019	Monday (Canada Day)		0							
02-Jul-2019	Tuesday		0							
03-Jul-2019	Wednesday		0							
04-Jul-2019	Thursday	frequent whitecaps	3					23	0930	43
05-Jul-2019	Friday		0							
06-Jul-2019	Saturday	choppy	3					75	0930	162
07-Jul-2019	Sunday	calm/rippled	4							
08-Jul-2019	Monday		0							
09-Jul-2019	Tuesday		0					65	0928	123
10-Jul-2019	Wednesday		0							
11-Jul-2019	Thursday		0							
12-Jul-2019	Friday	choppy	6				2			
13-Jul-2019	Saturday	frequent whitecaps	13					54	0926	117
14-Jul-2019	Sunday		1					94	0924	204
15-Jul-2019	Monday	choppy	10							
16-Jul-2019	Tuesday		1							
17-Jul-2019	Wednesday		1							
18-Jul-2019	Thursday	choppy	7		2			29	0933	55
19-Jul-2019	Friday		2					67	0925	127
20-Jul-2019	Saturday	calm/rippled	15							
21-Jul-2019	Sunday	calm/rippled	24					126	0927	273
22-Jul-2019	Monday		1							
23-Jul-2019	Tuesday	choppy	3							
24-Jul-2019	Wednesday	calm/rippled	4							
25-Jul-2019	Thursday		1					73	0929	137
26-Jul-2019	Friday		1							
27-Jul-2019	Saturday		3		1					
28-Jul-2019	Sunday		1					159	0922	345
29-Jul-2019	Monday	frequent whitecaps	9		1					
30-Jul-2019	Tuesday		1					29	0927	55
31-Jul-2019	Wednesday	calm/rippled	3		1					
01-Aug-2019	Thursday		2		1			222	0928	419
02-Aug-2019	Friday		4	6						
03-Aug-2019	Saturday	calm/rippled	9	6				343	0927	743
	Totals	choppy	53		4		2	48*		90*
	Totals	choppy	64		1			102*		220*

\* Average number of boats Observed and Expanded

**Table 3: Simple area based cpue (catch per boat trip) expansion.**

Day Type	Average Expanded Boats	Number of Days	Total Estimated Effort	CPUE				Retained			
				Chinook	Coho	Sockeye	Halibut	Chinook	Coho	Sockeye	Halibut
Weekend	220	9	1980		0.0160				32		
Midweek	90	22	1980		0.0750		0.0380		149		75

**Table 4: Recent years estimates of retained catch and effort.**

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	July	6775	3423	1510	31	115
2015	July	8689	6295	1044	39	247
2016	July	5608	3223	290		117
2017	July	3594	2138	138	61	
2018	July	6600	4849	132		
2019	July	3548	0	169	0	111
5-Yr Avg	July	6253	3986	623	44	160

**Table 5: Sport Head Recovery Review.**

Species	Creel Marked Catch	Creel Mark Rate	Creel Submission Rate	iRec Marked Catch	iRec Mark Rate	iRec Submission Rate	Sport Head Recoveries
Coho	200	100%	38%	631	100%	12%	76
Chinook	277	35%	64%	231	44%	77%	178

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	217	7%
iRec Anglers	6119	21%
iRec Responses	154	5%

Figure 1: Proportion of each day's fishing by hour.

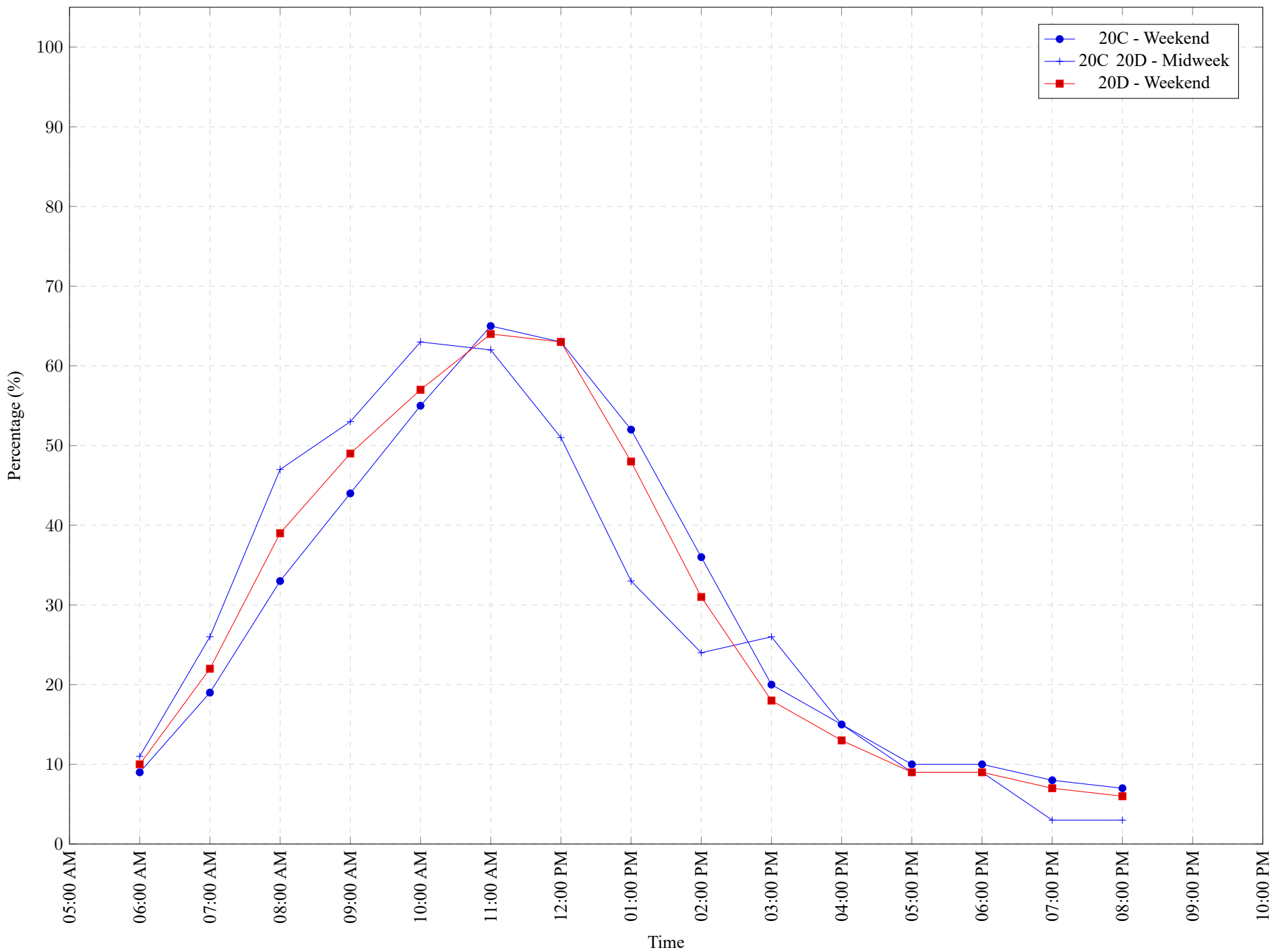


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	01:00 PM	02:00 PM	03:00 PM	04:00 PM	05:00 PM	06:00 PM	07:00 PM	08:00 PM	09:00 PM	10:00 PM
20C	Weekend	9%	19%	33%	44%	55%	65%	63%	52%	36%	20%	15%	10%	10%	8%	7%	0%	0%
20C 20D	Midweek	11%	26%	47%	53%	63%	62%	51%	33%	24%	26%	15%	9%	9%	3%	3%	0%	0%
20D	Weekend	10%	22%	39%	49%	57%	64%	63%	48%	31%	18%	13%	9%	9%	7%	6%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	Becher Bay	Flemming	Jock's Dock (Crab Shack)	Pedder Bay
28 Jun 2019	Midweek				
29 Jun 2019	Weekend				
30 Jun 2019	Weekend				
01 Jul 2019	Weekend				
02 Jul 2019	Midweek				
03 Jul 2019	Midweek				
04 Jul 2019	Midweek			frequent whitecaps	
05 Jul 2019	Midweek				
06 Jul 2019	Weekend				choppy
07 Jul 2019	Weekend			calm/rippled	
08 Jul 2019	Midweek				
09 Jul 2019	Midweek				
10 Jul 2019	Midweek				
11 Jul 2019	Midweek				
12 Jul 2019	Midweek			choppy	
13 Jul 2019	Weekend	frequent whitecaps			frequent whitecaps
14 Jul 2019	Weekend				
15 Jul 2019	Midweek			choppy	choppy
16 Jul 2019	Midweek				
17 Jul 2019	Midweek				
18 Jul 2019	Midweek	frequent whitecaps		choppy	
19 Jul 2019	Midweek				
20 Jul 2019	Weekend	calm/rippled	calm/rippled		
21 Jul 2019	Weekend			choppy	calm/rippled
22 Jul 2019	Midweek				
23 Jul 2019	Midweek				choppy
24 Jul 2019	Midweek	calm/rippled			
25 Jul 2019	Midweek				
26 Jul 2019	Midweek				
27 Jul 2019	Weekend				
28 Jul 2019	Weekend				
29 Jul 2019	Midweek				frequent whitecaps
30 Jul 2019	Midweek				
31 Jul 2019	Midweek	calm/rippled			
01 Aug 2019	Midweek				
02 Aug 2019	Midweek				
03 Aug 2019	Weekend		calm/rippled		