

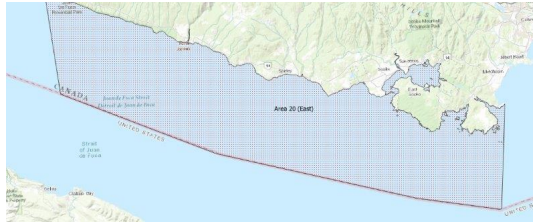
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 20 (East) September 2019



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*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		Flem- ming AM	Jock's Dock (Crab Shack)		Pedder Bay	
		AM	PM		AM	PM	AM	PM
29 Aug 2019	Midweek					12		
30 Aug 2019	Midweek							17
31 Aug 2019	Weekend			2				18
01 Sep 2019	Weekend		15					
02 Sep 2019	Weekend							
03 Sep 2019	Midweek							9
04 Sep 2019	Midweek							
05 Sep 2019	Midweek		8					
06 Sep 2019	Midweek							
07 Sep 2019	Weekend					13		
08 Sep 2019	Weekend							
09 Sep 2019	Midweek	6						
10 Sep 2019	Midweek							
11 Sep 2019	Midweek							
12 Sep 2019	Midweek							
13 Sep 2019	Midweek				8			
14 Sep 2019	Weekend				10			19
15 Sep 2019	Weekend							
16 Sep 2019	Midweek					8		
17 Sep 2019	Midweek							
18 Sep 2019	Midweek							
19 Sep 2019	Midweek				14			
20 Sep 2019	Midweek						11	
21 Sep 2019	Weekend							
22 Sep 2019	Weekend							
23 Sep 2019	Midweek							5
24 Sep 2019	Midweek							
25 Sep 2019	Midweek							
26 Sep 2019	Midweek							
27 Sep 2019	Midweek							
28 Sep 2019	Weekend					12		
29 Sep 2019	Weekend						5	
30 Sep 2019	Midweek							
01 Oct 2019	Midweek							
02 Oct 2019	Midweek					7		
03 Oct 2019	Midweek							

*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
29-Aug-2019	Thursday	frequent whitecaps	13	14	1					
30-Aug-2019	Friday	choppy	17	6				162	0931	379
31-Aug-2019	Saturday	calm/rippled	21	9	5					
01-Sep-2019	Sunday	calm/rippled	16	10				284	1027	446
02-Sep-2019	Monday (Labour Day)		1	1						
03-Sep-2019	Tuesday	calm/rippled	9							
04-Sep-2019	Wednesday		0							
05-Sep-2019	Thursday	calm/rippled	8	1				134	1033	259
06-Sep-2019	Friday		0							
07-Sep-2019	Saturday	frequent whitecaps	13	12	3					
08-Sep-2019	Sunday		1		1					
09-Sep-2019	Monday	calm/rippled	6	2						
10-Sep-2019	Tuesday		0							
11-Sep-2019	Wednesday		1	1						
12-Sep-2019	Thursday		2	3	2			64	1031	124
13-Sep-2019	Friday	calm/rippled	9	3	5					
14-Sep-2019	Saturday	calm/rippled	29	6	24			125	1033	196
15-Sep-2019	Sunday		0							
16-Sep-2019	Monday	calm/rippled	8	1	9					
17-Sep-2019	Tuesday		0							
18-Sep-2019	Wednesday		0							
19-Sep-2019	Thursday	calm/rippled	14	2	22		1			
20-Sep-2019	Friday	calm/rippled	11		6			100	1028	193
21-Sep-2019	Saturday		0					147	1330	308
22-Sep-2019	Sunday		0							
23-Sep-2019	Monday	calm/rippled	5	1	3			34	1037	66
24-Sep-2019	Tuesday		0							
25-Sep-2019	Wednesday		0							
26-Sep-2019	Thursday		0							
27-Sep-2019	Friday		0							
28-Sep-2019	Saturday	choppy	12		5					
29-Sep-2019	Sunday	choppy	5		2					
30-Sep-2019	Monday		0							
01-Oct-2019	Tuesday		0							
02-Oct-2019	Wednesday	choppy	7	1	1		1			
03-Oct-2019	Thursday		0							
	Totals	calm/rippled	73	14	47		1	83*		161*
	Totals	choppy	77	29	35			185*		317*

\* 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
Midweek	161	20	3220	0.1920	0.6440		0.0140	618	2074		45
Weekend	317	10	3170	0.3770	0.4550			1195	1442		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	September	4847	750	8745	634	27
2015	September	5124	2520	4392		17
2016	September	5619	2073	3936		11
2017	September	8560	3127	5167		403
2018	September	6247	1800	4906	383	
2019	September	6617	1725	3966		53
5-Yr Avg	September	6079	2054	5429	509	115

**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	3956	81%	10%	2824	93%	14%	388
Chinook	364	14%	34%	482	32%	25%	122

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	297	10%
iRec Anglers	8408	13%
iRec Responses	149	1%

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

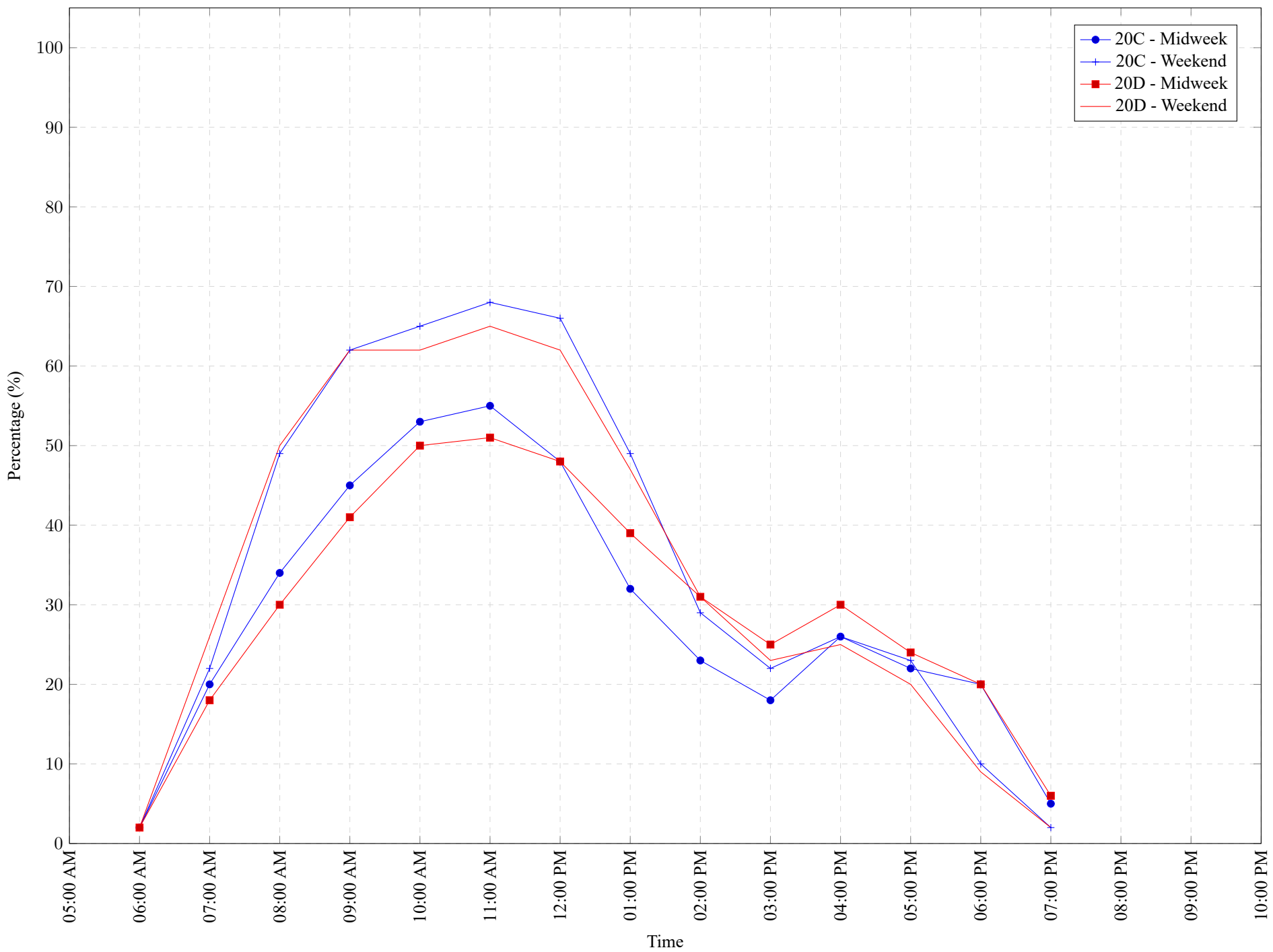


Table 7: Proportion of each day's fishing by hour.

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	Midweek	2%	20%	34%	45%	53%	55%	48%	32%	23%	18%	26%	22%	20%	5%	0%	0%	0%
20C	Weekend	2%	22%	49%	62%	65%	68%	66%	49%	29%	22%	26%	23%	10%	2%	0%	0%	0%
20D	Midweek	2%	18%	30%	41%	50%	51%	48%	39%	31%	25%	30%	24%	20%	6%	0%	0%	0%
20D	Weekend	2%	26%	50%	62%	62%	65%	62%	47%	31%	23%	25%	20%	9%	2%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

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