

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) May 2019



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 27th 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 PM	Jock's Dock (Crab Shack)		Pedder Bay	
			AM	PM	AM	PM
28 Apr 2019	Weekend					9
29 Apr 2019	Midweek			2		
30 Apr 2019	Midweek				2	
01 May 2019	Midweek					
02 May 2019	Midweek					
03 May 2019	Midweek					
04 May 2019	Weekend				6	
05 May 2019	Weekend			9		
06 May 2019	Midweek					5
07 May 2019	Midweek					
08 May 2019	Midweek		3			
09 May 2019	Midweek					
10 May 2019	Midweek					
11 May 2019	Weekend					10
12 May 2019	Weekend					
13 May 2019	Midweek					
14 May 2019	Midweek					
15 May 2019	Midweek					
16 May 2019	Midweek		2			
17 May 2019	Midweek					
18 May 2019	Weekend		3			
19 May 2019	Weekend					
20 May 2019	Weekend					
21 May 2019	Midweek				3	
22 May 2019	Midweek				2	
23 May 2019	Midweek			3		
24 May 2019	Midweek					
25 May 2019	Weekend					1
26 May 2019	Weekend					
27 May 2019	Midweek					
28 May 2019	Midweek					
29 May 2019	Midweek					
30 May 2019	Midweek			6		
31 May 2019	Midweek					
01 Jun 2019	Weekend		1			4
02 Jun 2019	Weekend	2				
03 Jun 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
28-Apr-2019	Sunday	calm/rippled	9							
29-Apr-2019	Monday	choppy	2				3			
30-Apr-2019	Tuesday	calm/rippled	2							
01-May-2019	Wednesday		0							
02-May-2019	Thursday		0							
03-May-2019	Friday		0							
04-May-2019	Saturday	calm/rippled	6					32	1020	44
05-May-2019	Sunday	choppy	9				3			
06-May-2019	Monday	calm/rippled	5							
07-May-2019	Tuesday		0							
08-May-2019	Wednesday	calm/rippled	3							
09-May-2019	Thursday		0							
10-May-2019	Friday		0							
11-May-2019	Saturday	frequent whitecaps	10				2			
12-May-2019	Sunday		0							
13-May-2019	Monday		0							
14-May-2019	Tuesday		0							
15-May-2019	Wednesday		0							
16-May-2019	Thursday	choppy	2							
17-May-2019	Friday		0							
18-May-2019	Saturday	choppy	3				1			
19-May-2019	Sunday		0							
20-May-2019	Monday (Victoria Day)		0							
21-May-2019	Tuesday	calm/rippled	3							
22-May-2019	Wednesday	calm/rippled	2				1			
23-May-2019	Thursday	frequent whitecaps	3							
24-May-2019	Friday		0					16	1026	26
25-May-2019	Saturday	calm/rippled	1					28	1031	39
26-May-2019	Sunday		0							
27-May-2019	Monday		0					13	1021	21
28-May-2019	Tuesday		0							
29-May-2019	Wednesday		0							
30-May-2019	Thursday	frequent whitecaps	6				1			
31-May-2019	Friday		0							
01-Jun-2019	Saturday	frequent whitecaps	5							
02-Jun-2019	Sunday	frequent whitecaps	2					3	1022	4
03-Jun-2019	Monday		0							
	Totals	choppy	24				2	15*		24*
	Totals	choppy	29				6	30*		42*

* 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	24	22	528				0.0830				44
Weekend	42	9	378				0.2070				78

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	May	2518	2139			449
2015	May	1382	941	3		16
2016	May	1610	885	36		49
2017	May	976	321			58
2018	May	1426	353			78
2019	May	885	0			123
5-Yr Avg	May	1582	928	20		130

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
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Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	54	11%
iRec Anglers	1444	23%
iRec Responses	59	7%

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

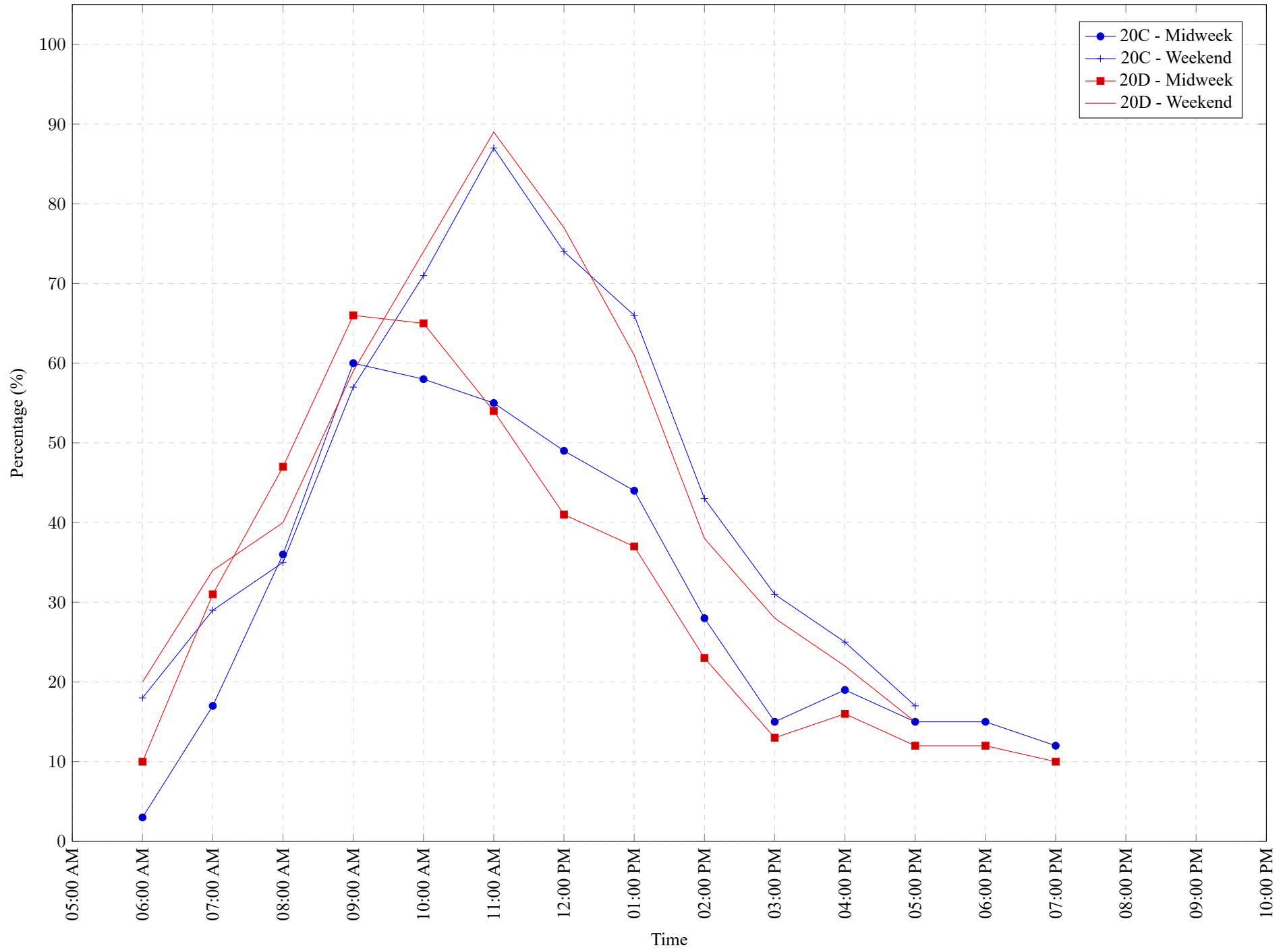


Table 7: Proportion of each day's fishing by hour.

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	3%	17%	36%	60%	58%	55%	49%	44%	28%	15%	19%	15%	15%	12%	0%	0%	0%
20C	Weekend	18%	29%	35%	57%	71%	87%	74%	66%	43%	31%	25%	17%	0%	0%	0%	0%	0%
20D	Midweek	10%	31%	47%	66%	65%	54%	41%	37%	23%	13%	16%	12%	12%	10%	0%	0%	0%
20D	Weekend	20%	34%	40%	59%	74%	89%	77%	61%	38%	28%	22%	15%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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