

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) August 2020



Prepared By:

South Coast Salmon Stock Assessment Section

Wednesday 3rd February, 2021



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

Date	Day Type	Becher Bay		Brechin	Flemming		Jock's Dock (Crab Shack)		Pedder Bay	
		AM	PM	PM	AM	PM	AM	PM	AM	PM
29 Jul 2020	Midweek	7						5		
30 Jul 2020	Midweek	3								
31 Jul 2020	Midweek								3	
01 Aug 2020	Weekend							13		
02 Aug 2020	Weekend									
03 Aug 2020	Weekend									
04 Aug 2020	Midweek									
05 Aug 2020	Midweek			1						7
06 Aug 2020	Midweek									
07 Aug 2020	Midweek		12							
08 Aug 2020	Weekend									27
09 Aug 2020	Weekend									
10 Aug 2020	Midweek	11					13			
11 Aug 2020	Midweek									
12 Aug 2020	Midweek					2				
13 Aug 2020	Midweek				1				8	
14 Aug 2020	Midweek		6					20		
15 Aug 2020	Weekend				4		36			
16 Aug 2020	Weekend		15							
17 Aug 2020	Midweek									
18 Aug 2020	Midweek		3							
19 Aug 2020	Midweek		8							
20 Aug 2020	Midweek									
21 Aug 2020	Midweek						13			
22 Aug 2020	Weekend		13					31		
23 Aug 2020	Weekend	18					32			
24 Aug 2020	Midweek							13		
25 Aug 2020	Midweek									
26 Aug 2020	Midweek							22		
27 Aug 2020	Midweek									
28 Aug 2020	Midweek									
29 Aug 2020	Weekend	17								20
30 Aug 2020	Weekend							24	21	
31 Aug 2020	Midweek						16			12
01 Sep 2020	Midweek									
02 Sep 2020	Midweek									
03 Sep 2020	Midweek								19	

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-Jul-2020	Wednesday	calm/rippled	12		1		2			
30-Jul-2020	Thursday	calm/rippled	3							
31-Jul-2020	Friday	frequent whitecaps	3	1						
01-Aug-2020	Saturday	frequent whitecaps	14	10	5			256	0954	403
02-Aug-2020	Sunday		0							
03-Aug-2020	Monday (B.C. Day)		1							
04-Aug-2020	Tuesday		1							
05-Aug-2020	Wednesday	frequent whitecaps	9	3				43	0928	95
06-Aug-2020	Thursday		1	2			1			
07-Aug-2020	Friday	calm/rippled	14	8	1					
08-Aug-2020	Saturday	frequent whitecaps	28	6						
09-Aug-2020	Sunday		1	1				368	0949	579
10-Aug-2020	Monday	calm/rippled	27	27	1		1			
11-Aug-2020	Tuesday		2	2				151	0955	335
12-Aug-2020	Wednesday	choppy	4	1						
13-Aug-2020	Thursday	choppy	10	2	1					
14-Aug-2020	Friday	calm/rippled	27	17	1					
15-Aug-2020	Saturday	choppy	42	28	6			314	0953	494
16-Aug-2020	Sunday	calm/rippled	19	14	1		2			
17-Aug-2020	Monday		2	5						
18-Aug-2020	Tuesday	choppy	4	3			1			
19-Aug-2020	Wednesday	calm/rippled	8	1						
20-Aug-2020	Thursday		1	2			1	105	1239	270
21-Aug-2020	Friday	calm/rippled	15	11	4		1			
22-Aug-2020	Saturday	calm/rippled	45	24	21			256	0949	403
23-Aug-2020	Sunday	calm/rippled	51	30	19		1			
24-Aug-2020	Monday	choppy	14	13	7					
25-Aug-2020	Tuesday		1	2	3					
26-Aug-2020	Wednesday	calm/rippled	24	18	15					
27-Aug-2020	Thursday		0							
28-Aug-2020	Friday		2	4	1			108	0927	239
29-Aug-2020	Saturday	choppy	37	5	12			234	0922	368
30-Aug-2020	Sunday	choppy	47	18	28					
31-Aug-2020	Monday	calm/rippled	29	11	21					
01-Sep-2020	Tuesday		0					167	1200	429
02-Sep-2020	Wednesday		1	2						
03-Sep-2020	Thursday	choppy	20	4	1		1			
	Totals	choppy	195	132	55		5	102*		235*
	Totals	choppy	285	136	92		3	286*		449*

* 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	449	11	4939	0.4770	0.3230		0.0110	2356	1595		54
Midweek	235	20	4700	0.6770	0.2820		0.0260	3182	1325		122

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	August	9723	11388	1802	148	19
2016	August	8726	5486	2054		150
2017	August	9046	7170	838	17	99
2018	August	9029	8702	572	4894	49
2019	August	11070	8320	1497	0	67
2020	August	9936	5026	3568		48
5-Yr Avg	August	9519	8213	1353	1265	77

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	1099	7%
iRec Anglers	4893	14%
iRec Anglers	9889	13%

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

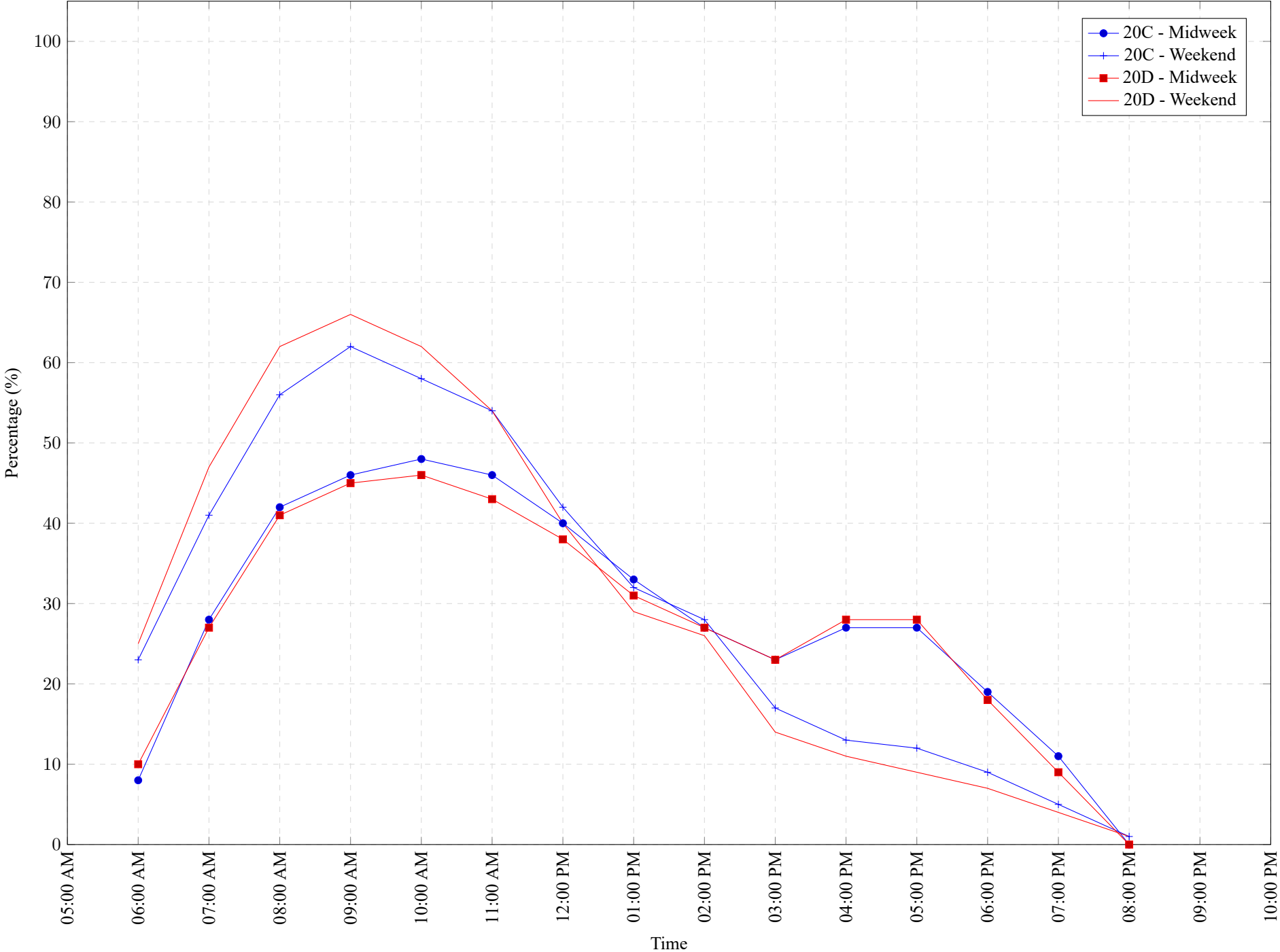


Table 7: Proportion of each day's fishing by hour.

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	8%	28%	42%	46%	48%	46%	40%	33%	27%	23%	27%	27%	19%	11%	0%	0%	0%
20C	Weekend	23%	41%	56%	62%	58%	54%	42%	32%	28%	17%	13%	12%	9%	5%	1%	0%	0%
20D	Midweek	10%	27%	41%	45%	46%	43%	38%	31%	27%	23%	28%	28%	18%	9%	0%	0%	0%
20D	Weekend	25%	47%	62%	66%	62%	54%	40%	29%	26%	14%	11%	9%	7%	4%	1%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Becher Bay	Brechin	Flemming	Jock's Dock (Crab Shack)	Pedder Bay
29 Jul 2020	Midweek	calm/rippled			choppy	
30 Jul 2020	Midweek	calm/rippled				
31 Jul 2020	Midweek					frequent whitecaps
01 Aug 2020	Weekend				frequent whitecaps	
02 Aug 2020	Weekend					
03 Aug 2020	Weekend					
04 Aug 2020	Midweek					
05 Aug 2020	Midweek		choppy			frequent whitecaps
06 Aug 2020	Midweek					
07 Aug 2020	Midweek	calm/rippled				
08 Aug 2020	Weekend					frequent whitecaps
09 Aug 2020	Weekend					
10 Aug 2020	Midweek	calm/rippled			calm/rippled	
11 Aug 2020	Midweek					
12 Aug 2020	Midweek			choppy		
13 Aug 2020	Midweek			calm/rippled		choppy
14 Aug 2020	Midweek	calm/rippled			calm/rippled	
15 Aug 2020	Weekend			calm/rippled	choppy	
16 Aug 2020	Weekend	calm/rippled				
17 Aug 2020	Midweek					
18 Aug 2020	Midweek	choppy				
19 Aug 2020	Midweek	calm/rippled				
20 Aug 2020	Midweek					
21 Aug 2020	Midweek				calm/rippled	
22 Aug 2020	Weekend	choppy			calm/rippled	
23 Aug 2020	Weekend	calm/rippled			calm/rippled	
24 Aug 2020	Midweek				choppy	
25 Aug 2020	Midweek					
26 Aug 2020	Midweek				calm/rippled	
27 Aug 2020	Midweek					
28 Aug 2020	Midweek					
29 Aug 2020	Weekend	choppy				choppy
30 Aug 2020	Weekend				choppy	calm/rippled
31 Aug 2020	Midweek				calm/rippled	calm/rippled
01 Sep 2020	Midweek					
02 Sep 2020	Midweek					
03 Sep 2020	Midweek					choppy