

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) July 2020



Prepared By:

South Coast Salmon Stock Assessment Section

Tuesday 2nd 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		Flemming		Jock's Dock (Crab Shack)		Lady-smith	Pedder Bay	
		AM	PM	AM	PM	AM	PM	PM	AM	PM
28 Jun 2020	Weekend								42	
29 Jun 2020	Midweek				3					
30 Jun 2020	Midweek					3				
01 Jul 2020	Weekend						5			
02 Jul 2020	Midweek									
03 Jul 2020	Midweek									17
04 Jul 2020	Weekend	10								
05 Jul 2020	Weekend		6							12
06 Jul 2020	Midweek		2							
07 Jul 2020	Midweek						7			
08 Jul 2020	Midweek						12			
09 Jul 2020	Midweek									
10 Jul 2020	Midweek									
11 Jul 2020	Weekend						5			
12 Jul 2020	Weekend			3				1		
13 Jul 2020	Midweek									
14 Jul 2020	Midweek									
15 Jul 2020	Midweek		4							
16 Jul 2020	Midweek									
17 Jul 2020	Midweek									
18 Jul 2020	Weekend		5							25
19 Jul 2020	Weekend					20				
20 Jul 2020	Midweek					4				
21 Jul 2020	Midweek									
22 Jul 2020	Midweek									5
23 Jul 2020	Midweek	2								
24 Jul 2020	Midweek									
25 Jul 2020	Weekend	15					15			
26 Jul 2020	Weekend					18			19	
27 Jul 2020	Midweek									
28 Jul 2020	Midweek									
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									

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-2020	Sunday	calm/rippled	43		23		7			
29-Jun-2020	Monday	choppy	3				1			
30-Jun-2020	Tuesday	choppy	3					10	1109	29
01-Jul-2020	Wednesday (Canada Day)	frequent whitecaps	6		18			109	1053	149
02-Jul-2020	Thursday		0							
03-Jul-2020	Friday	calm/rippled	17							
04-Jul-2020	Saturday	calm/rippled	11	1	1			137	1045	188
05-Jul-2020	Sunday	choppy	18		8					
06-Jul-2020	Monday	frequent whitecaps	3		1			26	1051	65
07-Jul-2020	Tuesday	choppy	8		10			28	1058	82
08-Jul-2020	Wednesday	choppy	12		12					
09-Jul-2020	Thursday		0							
10-Jul-2020	Friday		1		3					
11-Jul-2020	Saturday	calm/rippled	5		20			116	1055	176
12-Jul-2020	Sunday	frequent whitecaps	4		2		2	82	1101	123
13-Jul-2020	Monday		2		10					
14-Jul-2020	Tuesday		0					88	1031	221
15-Jul-2020	Wednesday	frequent whitecaps	6	7	7			56	1028	141
16-Jul-2020	Thursday		0							
17-Jul-2020	Friday		0							
18-Jul-2020	Saturday	choppy	30		12			179	1035	245
19-Jul-2020	Sunday	calm/rippled	22	1	38					
20-Jul-2020	Monday	calm/rippled	4		12					
21-Jul-2020	Tuesday		0					32	1031	80
22-Jul-2020	Wednesday	frequent whitecaps	5							
23-Jul-2020	Thursday	frequent whitecaps	2		1					
24-Jul-2020	Friday		0							
25-Jul-2020	Saturday	calm/rippled	30	1	12					
26-Jul-2020	Sunday	calm/rippled	38	4	11					
27-Jul-2020	Monday		0							
28-Jul-2020	Tuesday		0					10	1057	29
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	404
02-Aug-2020	Sunday		0							
03-Aug-2020	Monday (B.C. Day)		1							
	Totals	choppy	78	8	57		2	40*		103*
	Totals	choppy	164	7	122		2	125*		176*

* 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	103	22	2266	0.1030	0.7310		0.0260	233	1656		59
Weekend	176	9	1584	0.0430	0.7440		0.0120	68	1178		19

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2020	July	4160	121	3142	0	120
5-Yr Avg	July	5608	3301	355	33	158

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	685	12%
iRec Anglers	1789	16%
iRec Anglers	4199	12%

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

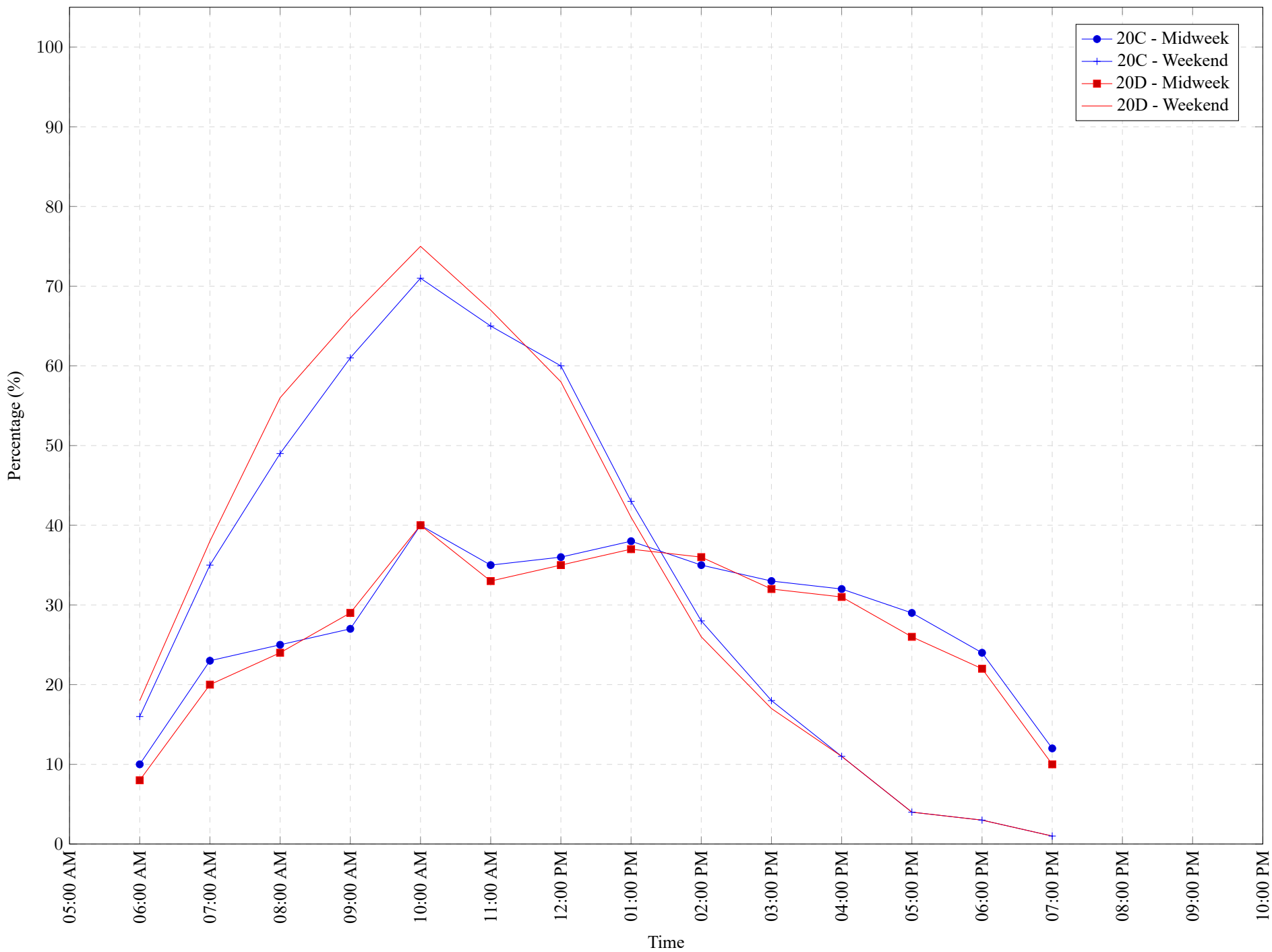


Table 7: Proportion of each day's fishing by hour.

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	10%	23%	25%	27%	40%	35%	36%	38%	35%	33%	32%	29%	24%	12%	0%	0%	0%
20C	Weekend	16%	35%	49%	61%	71%	65%	60%	43%	28%	18%	11%	4%	3%	1%	0%	0%	0%
20D	Midweek	8%	20%	24%	29%	40%	33%	35%	37%	36%	32%	31%	26%	22%	10%	0%	0%	0%
20D	Weekend	18%	38%	56%	66%	75%	67%	58%	41%	26%	17%	11%	4%	3%	1%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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