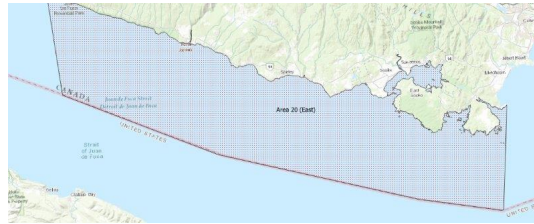


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) October 2020



Prepared By:

South Coast Salmon Stock Assessment Section

Tuesday 2nd February, 2021



Fisheries and Oceans
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Canada



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

Date	Day Type	Cattle Point PM	Flemming		Jock's Dock (Crab Shack)		Pedder Bay	
			AM	PM	AM	PM	AM	PM
28 Sep 2020	Midweek							22
29 Sep 2020	Midweek							
30 Sep 2020	Midweek							
01 Oct 2020	Midweek					20	12	
02 Oct 2020	Midweek			5				
03 Oct 2020	Weekend							
04 Oct 2020	Weekend							33
05 Oct 2020	Midweek	2						
06 Oct 2020	Midweek						5	
07 Oct 2020	Midweek				13			
08 Oct 2020	Midweek						12	
09 Oct 2020	Midweek					12		15
10 Oct 2020	Weekend							
11 Oct 2020	Weekend				7			
12 Oct 2020	Weekend							
13 Oct 2020	Midweek							
14 Oct 2020	Midweek							
15 Oct 2020	Midweek				10			
16 Oct 2020	Midweek							
17 Oct 2020	Weekend		1		5			
18 Oct 2020	Weekend				3		12	
19 Oct 2020	Midweek							
20 Oct 2020	Midweek							2
21 Oct 2020	Midweek							
22 Oct 2020	Midweek		1					
23 Oct 2020	Midweek							
24 Oct 2020	Weekend					1		
25 Oct 2020	Weekend					2		
26 Oct 2020	Midweek							
27 Oct 2020	Midweek							
28 Oct 2020	Midweek							
29 Oct 2020	Midweek							
30 Oct 2020	Midweek							
31 Oct 2020	Weekend							7
01 Nov 2020	Weekend							
02 Nov 2020	Midweek							
03 Nov 2020	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-Sep-2020	Monday	calm/rippled	23	3	11					
29-Sep-2020	Tuesday		1		1					
30-Sep-2020	Wednesday		0							
01-Oct-2020	Thursday	calm/rippled	34	5	56					
02-Oct-2020	Friday	calm/rippled	7		23					
03-Oct-2020	Saturday		0							
04-Oct-2020	Sunday	choppy	33	1	72		4	163	1235	240
05-Oct-2020	Monday	calm/rippled	3	1	8					
06-Oct-2020	Tuesday	calm/rippled	5		3					
07-Oct-2020	Wednesday	calm/rippled	13	1	37		1			
08-Oct-2020	Thursday	frequent whitecaps	12	2	10					
09-Oct-2020	Friday	calm/rippled	27	7	41			66	1233	90
10-Oct-2020	Saturday		0							
11-Oct-2020	Sunday	frequent whitecaps	7		5			23	1245	34
12-Oct-2020	Monday (Thanksgiving)		0							
13-Oct-2020	Tuesday		0							
14-Oct-2020	Wednesday		0					19	1225	26
15-Oct-2020	Thursday	calm/rippled	10	1	2		3			
16-Oct-2020	Friday		0							
17-Oct-2020	Saturday	choppy	6	1						
18-Oct-2020	Sunday	calm/rippled	15	2						
19-Oct-2020	Monday		0							
20-Oct-2020	Tuesday	calm/rippled	2							
21-Oct-2020	Wednesday		0							
22-Oct-2020	Thursday	calm/rippled	1					27	1233	37
23-Oct-2020	Friday		0							
24-Oct-2020	Saturday	large swells	1					1	1228	1
25-Oct-2020	Sunday	frequent whitecaps	2	1						
26-Oct-2020	Monday		0							
27-Oct-2020	Tuesday		0							
28-Oct-2020	Wednesday		0							
29-Oct-2020	Thursday		0							
30-Oct-2020	Friday		0							
31-Oct-2020	Saturday	calm/rippled	7	2						
01-Nov-2020	Sunday		0							
02-Nov-2020	Monday		0							
03-Nov-2020	Tuesday		0							
	Totals	calm/rippled	114	17	180		4	37*		51*
	Totals	choppy	71	7	77		4	62*		92*

* 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	92	10	920	0.0990	1.0850		0.0560	91	998		52
Midweek	51	21	1071	0.1490	1.5790		0.0350	160	1691		37

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	October	1985	72	2776		27
2017	October	1001	161	943		
2018	October	2684	542	2267		
2019	October	1655	48	2242		24
2020	October	2374	312	3319		111
5-Yr Avg	October	1831	206	2057		26

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	185	2%
iRec Anglers	781	9%
iRec Anglers	4427	6%

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

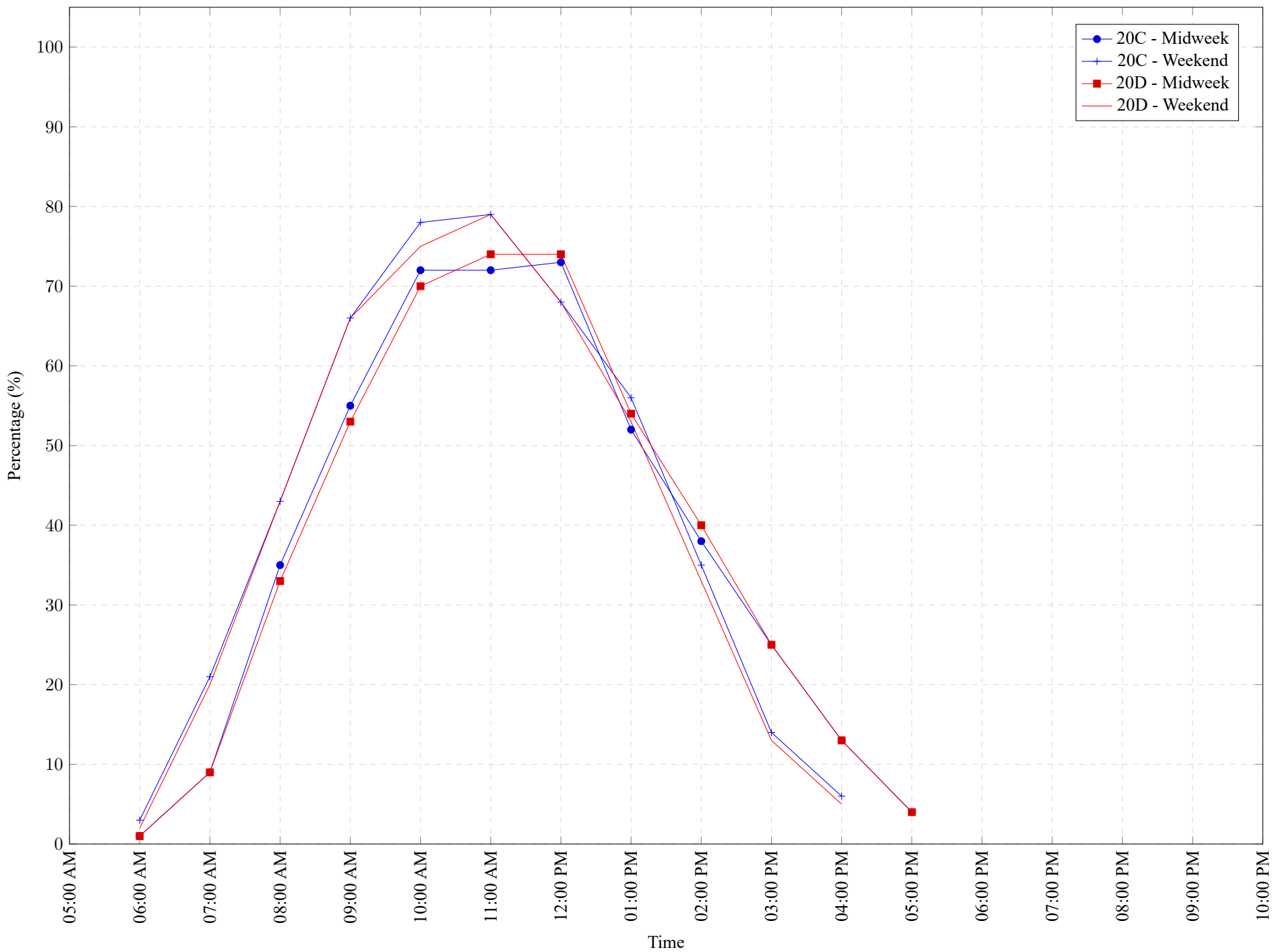


Table 7: Proportion of each day's fishing by hour.

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	1%	9%	35%	55%	72%	72%	73%	52%	38%	25%	13%	4%	0%	0%	0%	0%	0%
20C	Weekend	3%	21%	43%	66%	78%	79%	68%	56%	35%	14%	6%	0%	0%	0%	0%	0%	0%
20D	Midweek	1%	9%	33%	53%	70%	74%	74%	54%	40%	25%	13%	4%	0%	0%	0%	0%	0%
20D	Weekend	2%	20%	43%	66%	75%	79%	68%	53%	33%	13%	5%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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