

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (JDF) April 2021



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 3rd February, 2022



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

Date	Day Type	Cattle Point		Flemming		Pedder Bay		
		AM	PM	AM	PM	AM	MD	PM
29 Mar 2021	Midweek							
30 Mar 2021	Midweek						1	
31 Mar 2021	Midweek							
01 Apr 2021	Midweek							
02 Apr 2021	Weekend		2					
03 Apr 2021	Weekend							10
04 Apr 2021	Weekend							
05 Apr 2021	Midweek							
06 Apr 2021	Midweek			10				
07 Apr 2021	Midweek							
08 Apr 2021	Midweek		1					
09 Apr 2021	Midweek							
10 Apr 2021	Weekend							
11 Apr 2021	Weekend				23			
12 Apr 2021	Midweek							1
13 Apr 2021	Midweek							
14 Apr 2021	Midweek							
15 Apr 2021	Midweek							
16 Apr 2021	Midweek	5						
17 Apr 2021	Weekend			12				
18 Apr 2021	Weekend					13		
19 Apr 2021	Midweek		2					
20 Apr 2021	Midweek							
21 Apr 2021	Midweek				9			
22 Apr 2021	Midweek							
23 Apr 2021	Midweek			9				
24 Apr 2021	Weekend	3						
25 Apr 2021	Weekend		6					
26 Apr 2021	Midweek							
27 Apr 2021	Midweek							
28 Apr 2021	Midweek							
29 Apr 2021	Midweek	4						
30 Apr 2021	Midweek							
01 May 2021	Weekend							
02 May 2021	Weekend							
03 May 2021	Midweek				1			

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-Mar-2021	Monday		0							
30-Mar-2021	Tuesday	choppy	1				1	23	1153	34
31-Mar-2021	Wednesday		0							
01-Apr-2021	Thursday		0							
02-Apr-2021	Friday (Good Friday)	frequent whitecaps	2					10	1052	18
03-Apr-2021	Saturday	frequent whitecaps	10				3			
04-Apr-2021	Sunday		0							
05-Apr-2021	Monday		0							
06-Apr-2021	Tuesday	calm/rippled	11				3	30	1051	40
07-Apr-2021	Wednesday		0							
08-Apr-2021	Thursday	frequent whitecaps	1							
09-Apr-2021	Friday		0							
10-Apr-2021	Saturday		0					1	1044	2
11-Apr-2021	Sunday	choppy	23				12			
12-Apr-2021	Monday	frequent whitecaps	1							
13-Apr-2021	Tuesday		0							
14-Apr-2021	Wednesday		0							
15-Apr-2021	Thursday		0							
16-Apr-2021	Friday	choppy	5							
17-Apr-2021	Saturday	calm/rippled	12					41	1052	70
18-Apr-2021	Sunday	calm/rippled	14				7			
19-Apr-2021	Monday	calm/rippled	2					10	1048	13
20-Apr-2021	Tuesday		0							
21-Apr-2021	Wednesday	calm/rippled	9				3			
22-Apr-2021	Thursday		0							
23-Apr-2021	Friday	choppy	9				1			
24-Apr-2021	Saturday	choppy	3							
25-Apr-2021	Sunday	calm/rippled	6							
26-Apr-2021	Monday		0					5	1049	6
27-Apr-2021	Tuesday		0							
28-Apr-2021	Wednesday		0							
29-Apr-2021	Thursday	calm/rippled	4							
30-Apr-2021	Friday		0							
01-May-2021	Saturday		0					2	1048	3
02-May-2021	Sunday		1							
03-May-2021	Monday	calm/rippled	1							
	Totals	choppy	42				7	15*		20*
	Totals	choppy	70				22	17*		30*

* 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	30	9	270				0.314				85
Midweek	20	21	420				0.167				70

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	April	1682	382			558
2017	April	984	268			331
2018	April	659	343			107
2019	April	853	75			278
2021	April	708	0			210
5-Yr Avg	April	1045	267			319

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	110	1%
iRec Anglers	1330	7%

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

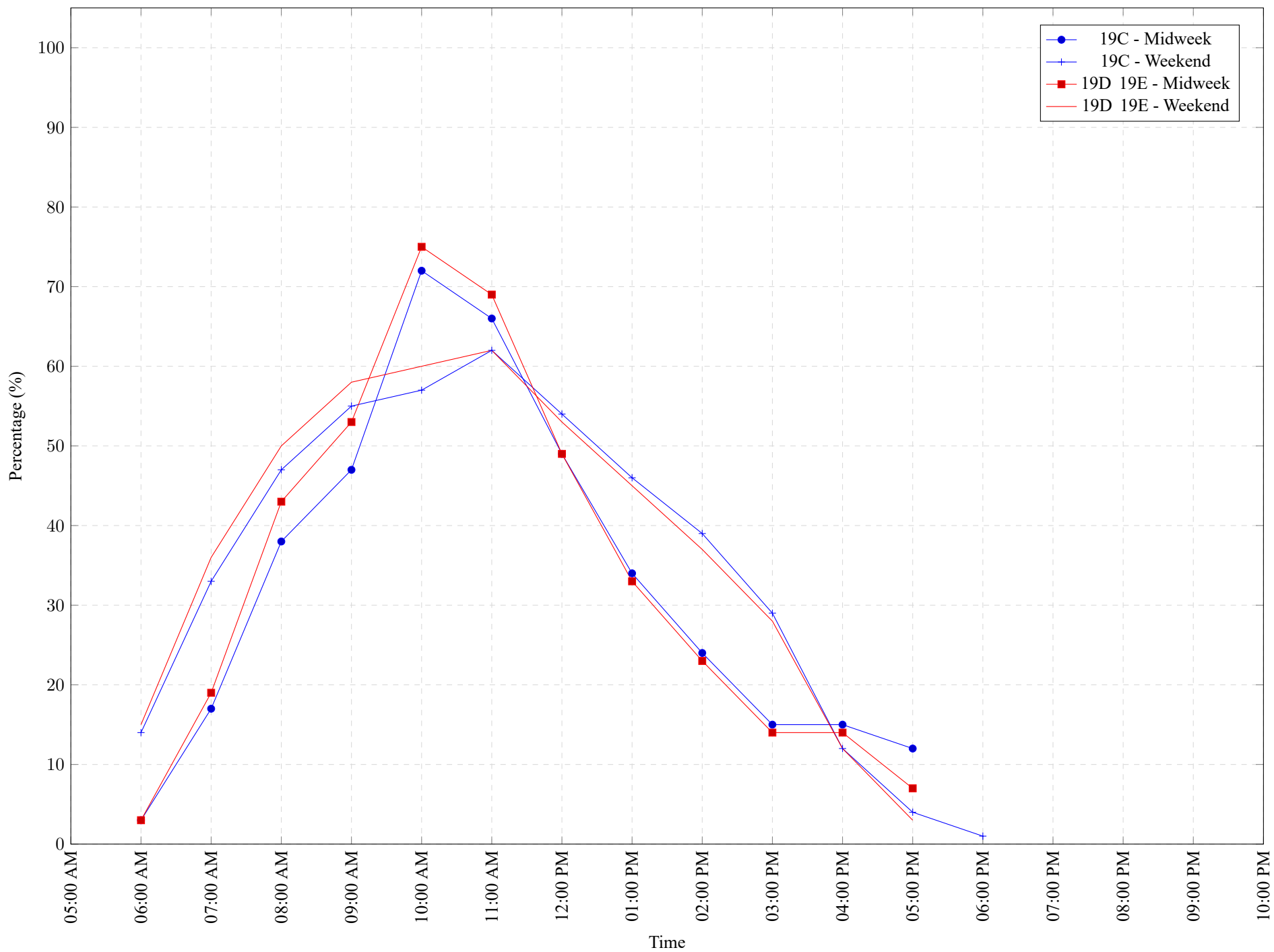


Table 7: Proportion of each day's fishing by hour.

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
19C	Midweek	3%	17%	38%	47%	72%	66%	49%	34%	24%	15%	15%	12%	0%	0%	0%	0%	0%
19C	Weekend	14%	33%	47%	55%	57%	62%	54%	46%	39%	29%	12%	4%	1%	0%	0%	0%	0%
19D 19E	Midweek	3%	19%	43%	53%	75%	69%	49%	33%	23%	14%	14%	7%	0%	0%	0%	0%	0%
19D 19E	Weekend	15%	36%	50%	58%	60%	62%	53%	45%	37%	28%	12%	3%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Cattle Point	Flemming	Pedder Bay
29 Mar 2021	Midweek			
30 Mar 2021	Midweek			choppy
31 Mar 2021	Midweek			
01 Apr 2021	Midweek			
02 Apr 2021	Weekend	frequent whitecaps		
03 Apr 2021	Weekend			frequent whitecaps
04 Apr 2021	Weekend			
05 Apr 2021	Midweek			
06 Apr 2021	Midweek		calm/rippled	
07 Apr 2021	Midweek			
08 Apr 2021	Midweek	frequent whitecaps		
09 Apr 2021	Midweek			
10 Apr 2021	Weekend			
11 Apr 2021	Weekend		choppy	
12 Apr 2021	Midweek			frequent whitecaps
13 Apr 2021	Midweek			
14 Apr 2021	Midweek			
15 Apr 2021	Midweek			
16 Apr 2021	Midweek	choppy		
17 Apr 2021	Weekend		calm/rippled	
18 Apr 2021	Weekend			calm/rippled
19 Apr 2021	Midweek	calm/rippled		
20 Apr 2021	Midweek			
21 Apr 2021	Midweek		calm/rippled	
22 Apr 2021	Midweek			
23 Apr 2021	Midweek		choppy	
24 Apr 2021	Weekend	choppy		
25 Apr 2021	Weekend	calm/rippled		
26 Apr 2021	Midweek			
27 Apr 2021	Midweek			
28 Apr 2021	Midweek			
29 Apr 2021	Midweek	calm/rippled		
30 Apr 2021	Midweek			
01 May 2021	Weekend			
02 May 2021	Weekend			
03 May 2021	Midweek		calm/rippled	