

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (JDF) April 2019



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



Fisheries and Oceans
Canada

Pêches et Océans
Canada

**your
catch
counts**

The logo for 'Your Catch Counts' features the text 'your catch counts' in a bold, blue, sans-serif font. To the right of the word 'catch' is a stylized blue icon of a person holding a fishing rod, with a fish on the line.

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

Date	Day Type	Cattle Point		Flemming		Jock's Dock (Crab Shack)	Pedder Bay		Sidney
		AM	PM	AM	PM	PM	AM	PM	PM
29 Mar 2019	Midweek								
30 Mar 2019	Weekend								
31 Mar 2019	Weekend								
01 Apr 2019	Midweek				6				
02 Apr 2019	Midweek								
03 Apr 2019	Midweek								
04 Apr 2019	Midweek	3							
05 Apr 2019	Midweek								
06 Apr 2019	Weekend								
07 Apr 2019	Weekend								
08 Apr 2019	Midweek								
09 Apr 2019	Midweek							1	
10 Apr 2019	Midweek								
11 Apr 2019	Midweek								
12 Apr 2019	Midweek								
13 Apr 2019	Weekend				5		14		
14 Apr 2019	Weekend								
15 Apr 2019	Midweek								
16 Apr 2019	Midweek								
17 Apr 2019	Midweek								
18 Apr 2019	Midweek								
19 Apr 2019	Weekend								
20 Apr 2019	Weekend								
21 Apr 2019	Weekend							1	
22 Apr 2019	Midweek				2				
23 Apr 2019	Midweek								
24 Apr 2019	Midweek								
25 Apr 2019	Midweek								
26 Apr 2019	Midweek			5					
27 Apr 2019	Weekend								2
28 Apr 2019	Weekend			2			34		
29 Apr 2019	Midweek		1			1			
30 Apr 2019	Midweek						4		
01 May 2019	Midweek								
02 May 2019	Midweek								
03 May 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
29-Mar-2019	Friday		0							
30-Mar-2019	Saturday		0							
31-Mar-2019	Sunday		0							
01-Apr-2019	Monday	choppy	6	1						
02-Apr-2019	Tuesday		0							
03-Apr-2019	Wednesday		0							
04-Apr-2019	Thursday	calm/rippled	3				1	20	1132	35
05-Apr-2019	Friday		0							
06-Apr-2019	Saturday		0							
07-Apr-2019	Sunday		0							
08-Apr-2019	Monday		0							
09-Apr-2019	Tuesday	frequent whitecaps	1							
10-Apr-2019	Wednesday		0							
11-Apr-2019	Thursday		0					3	1151	5
12-Apr-2019	Friday		0							
13-Apr-2019	Saturday	choppy	19	4						
14-Apr-2019	Sunday		0					6	1145	8
15-Apr-2019	Monday		0							
16-Apr-2019	Tuesday		0							
17-Apr-2019	Wednesday		0							
18-Apr-2019	Thursday		0							
19-Apr-2019	Friday (Good Friday)		0							
20-Apr-2019	Saturday		0					17	1134	22
21-Apr-2019	Sunday	frequent whitecaps	1							
22-Apr-2019	Monday	calm/rippled	2							
23-Apr-2019	Tuesday		0							
24-Apr-2019	Wednesday		0							
25-Apr-2019	Thursday		0					34	1134	58
26-Apr-2019	Friday	frequent whitecaps	5				1			
27-Apr-2019	Saturday	choppy	2					18	1130	22
28-Apr-2019	Sunday	calm/rippled	36				22			
29-Apr-2019	Monday	choppy	2							
30-Apr-2019	Tuesday	calm/rippled	4				4			
01-May-2019	Wednesday		0							
02-May-2019	Thursday		0							
03-May-2019	Friday		0							
	Totals	choppy	23	1			6	19*		33*
	Totals	choppy	58	4			22	14*		17*

* 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	17	9	153	0.0690			0.3790	11			58
Midweek	33	21	693	0.0430			0.2610	30			181

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	April	919	218			688
2015	April	2373	482			1405
2016	April	1682	382			558
2017	April	984	268			331
2018	April	659	343			107
2019	April	853	75			278
5-Yr Avg	April	1323	339			618

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
Chinook	67	89%	12%	64	56%	13%	8

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	81	4%
iRec Anglers	1227	29%
iRec Responses	72	6%

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

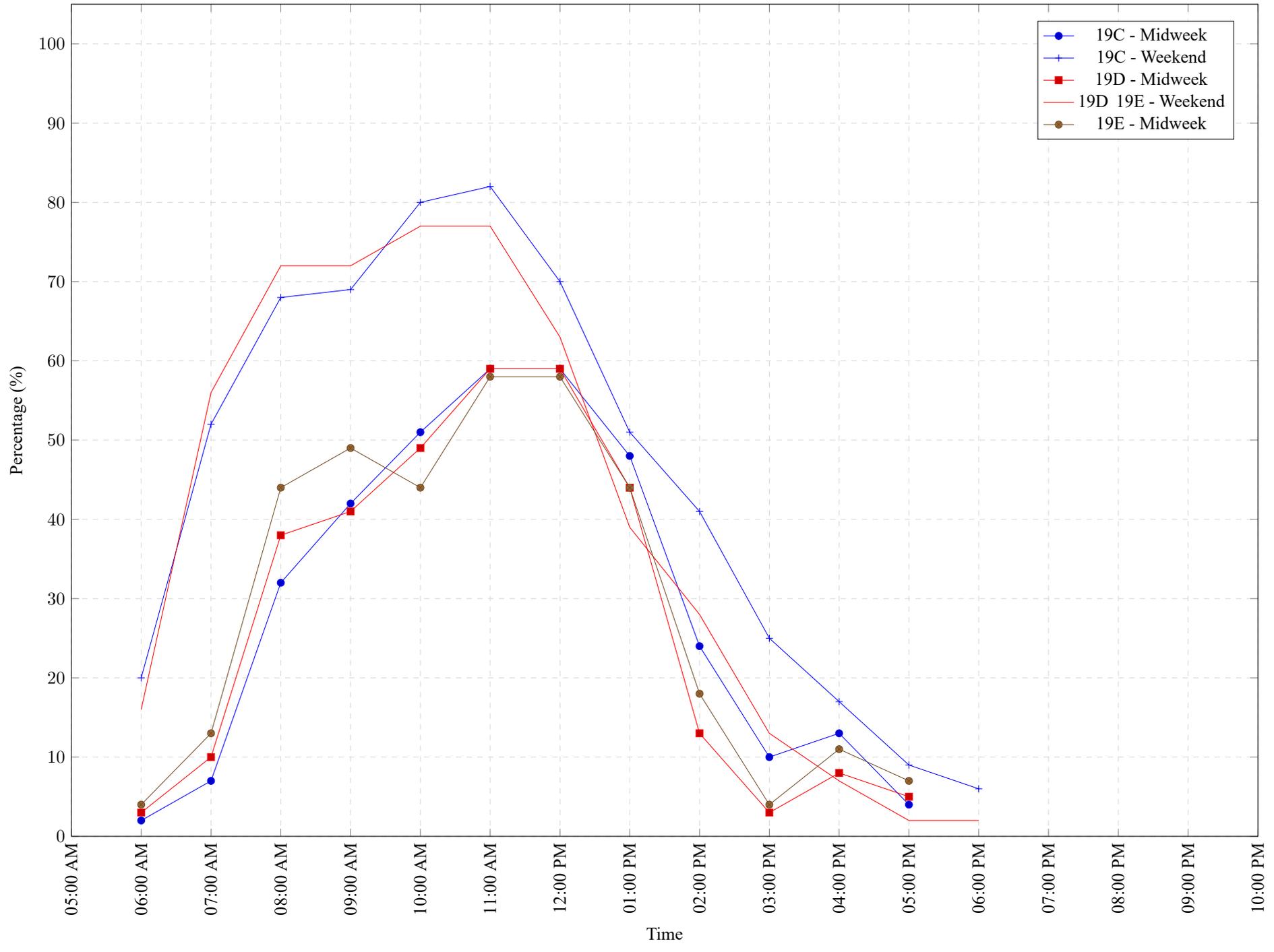


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00	7:00	8:00	9:00	10:00	11:00	12:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00
		AM	AM	AM	AM	AM	AM	PM										
19C	Midweek	2%	7%	32%	42%	51%	59%	59%	48%	24%	10%	13%	4%	0%	0%	0%	0%	0%
19C	Weekend	20%	52%	68%	69%	80%	82%	70%	51%	41%	25%	17%	9%	6%	0%	0%	0%	0%
19D	Midweek	3%	10%	38%	41%	49%	59%	59%	44%	13%	3%	8%	5%	0%	0%	0%	0%	0%
19D 19E	Weekend	16%	56%	72%	72%	77%	77%	63%	39%	28%	13%	7%	2%	2%	0%	0%	0%	0%
19E	Midweek	4%	13%	44%	49%	44%	58%	58%	44%	18%	4%	11%	7%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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