

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (JDF) April 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Wednesday 7th February, 2024



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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	
		MD	PM	AM	PM	AM	PM
29 Mar 2023	Midweek	7					
30 Mar 2023	Midweek						
31 Mar 2023	Midweek						
01 Apr 2023	Weekend						
02 Apr 2023	Weekend				16		29
03 Apr 2023	Midweek						
04 Apr 2023	Midweek						
05 Apr 2023	Midweek						
06 Apr 2023	Midweek						
07 Apr 2023	Weekend						
08 Apr 2023	Weekend					4	
09 Apr 2023	Weekend						
10 Apr 2023	Midweek			2			
11 Apr 2023	Midweek						
12 Apr 2023	Midweek						
13 Apr 2023	Midweek				1		
14 Apr 2023	Midweek						16
15 Apr 2023	Weekend						
16 Apr 2023	Weekend		1				
17 Apr 2023	Midweek						
18 Apr 2023	Midweek						
19 Apr 2023	Midweek						
20 Apr 2023	Midweek						
21 Apr 2023	Midweek						
22 Apr 2023	Weekend						
23 Apr 2023	Weekend						
24 Apr 2023	Midweek						
25 Apr 2023	Midweek						
26 Apr 2023	Midweek						
27 Apr 2023	Midweek						
28 Apr 2023	Midweek						
29 Apr 2023	Weekend						
30 Apr 2023	Weekend						
01 May 2023	Midweek				7		
02 May 2023	Midweek						3
03 May 2023	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-2023	Wednesday	calm/rippled	7	4						
30-Mar-2023	Thursday		0							
31-Mar-2023	Friday		0							
01-Apr-2023	Saturday		0							
02-Apr-2023	Sunday	choppy	45				21	47	1018	57
03-Apr-2023	Monday		0							
04-Apr-2023	Tuesday		0							
05-Apr-2023	Wednesday		0					7	1006	9
06-Apr-2023	Thursday		0							
07-Apr-2023	Friday (Good Friday)		0					2	0950	3
08-Apr-2023	Saturday	large swells	4				1			
09-Apr-2023	Sunday		0							
10-Apr-2023	Monday	calm/rippled	2							
11-Apr-2023	Tuesday		0							
12-Apr-2023	Wednesday		0							
13-Apr-2023	Thursday	frequent whitecaps	1							
14-Apr-2023	Friday	calm/rippled	16				16	36	1007	46
15-Apr-2023	Saturday		0							
16-Apr-2023	Sunday	frequent whitecaps	1							
17-Apr-2023	Monday		0							
18-Apr-2023	Tuesday		0							
19-Apr-2023	Wednesday		0							
20-Apr-2023	Thursday		0							
21-Apr-2023	Friday		0					4	1012	6
22-Apr-2023	Saturday		0							
23-Apr-2023	Sunday		0							
24-Apr-2023	Monday		0							
25-Apr-2023	Tuesday		0							
26-Apr-2023	Wednesday		0							
27-Apr-2023	Thursday		0							
28-Apr-2023	Friday		0							
29-Apr-2023	Saturday		0					46	1025	55
30-Apr-2023	Sunday		0							
01-May-2023	Monday	choppy	7				2			
02-May-2023	Tuesday	calm/rippled	3				2			
03-May-2023	Wednesday		0							
	Totals	choppy	19				16	16*		20*
	Totals	frequent whitecaps	50				22	32*		38*

* 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	38	11	418				0.44				184
Midweek	20	19	380				0.842				320

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	April	659	343			107
2019	April	853	75			278
2021	April	708	0			210
2022	April	327	0			140
2023	April	880	0			626
5-Yr Avg	April	637	105			184

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	69	10%
iRec Anglers	793	21%

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

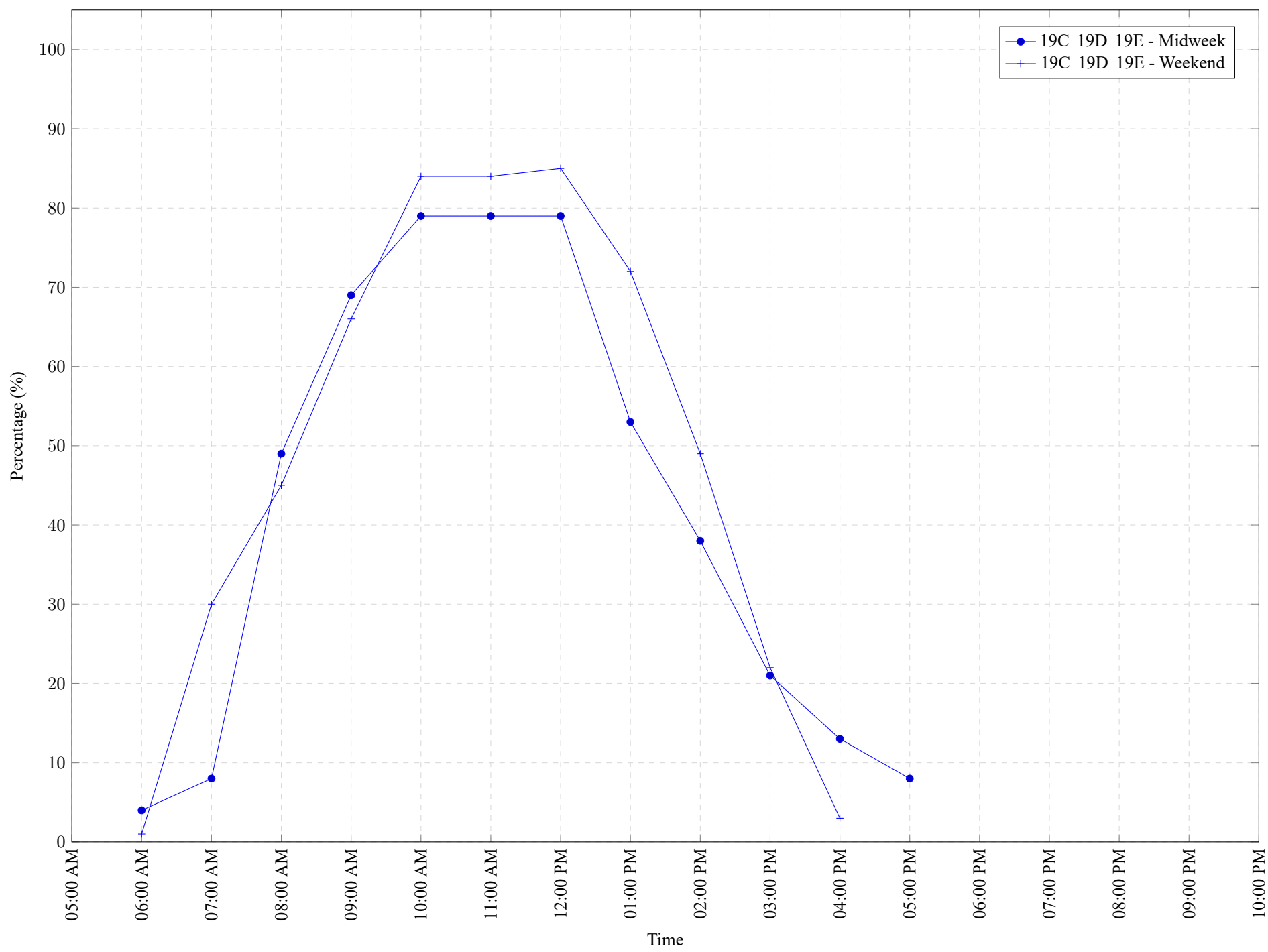


Table 7: Proportion of each day’s fishing by hour.

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	19D	19E	Midweek	4%	8%	49%	69%	79%	79%	79%	53%	38%	21%	13%	8%	0%	0%	0%	0%	0%
19C	19D	19E	Weekend	1%	30%	45%	66%	84%	84%	85%	72%	49%	22%	3%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Cattle Point	Flemming	Pedder Bay
29 Mar 2023	Midweek	calm/rippled		
30 Mar 2023	Midweek			
31 Mar 2023	Midweek			
01 Apr 2023	Weekend			
02 Apr 2023	Weekend		choppy	choppy
03 Apr 2023	Midweek			
04 Apr 2023	Midweek			
05 Apr 2023	Midweek			
06 Apr 2023	Midweek			
07 Apr 2023	Weekend			
08 Apr 2023	Weekend			large swells
09 Apr 2023	Weekend			
10 Apr 2023	Midweek		calm/rippled	
11 Apr 2023	Midweek			
12 Apr 2023	Midweek			
13 Apr 2023	Midweek		frequent whitecaps	
14 Apr 2023	Midweek			calm/rippled
15 Apr 2023	Weekend			
16 Apr 2023	Weekend	frequent whitecaps		
17 Apr 2023	Midweek			
18 Apr 2023	Midweek			
19 Apr 2023	Midweek			
20 Apr 2023	Midweek			
21 Apr 2023	Midweek			
22 Apr 2023	Weekend			
23 Apr 2023	Weekend			
24 Apr 2023	Midweek			
25 Apr 2023	Midweek			
26 Apr 2023	Midweek			
27 Apr 2023	Midweek			
28 Apr 2023	Midweek			
29 Apr 2023	Weekend			
30 Apr 2023	Weekend			
01 May 2023	Midweek		choppy	
02 May 2023	Midweek			calm/rippled
03 May 2023	Midweek			