

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (JDF) May 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 8th February, 2024



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		Pedder Bay	
		AM	PM	AM	PM	AM	PM
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						
04 May 2023	Midweek						
05 May 2023	Midweek						
06 May 2023	Weekend				2		
07 May 2023	Weekend		13				
08 May 2023	Midweek						
09 May 2023	Midweek						
10 May 2023	Midweek						
11 May 2023	Midweek						
12 May 2023	Midweek	15				16	
13 May 2023	Weekend			18			
14 May 2023	Weekend						14
15 May 2023	Midweek			6			
16 May 2023	Midweek				2		
17 May 2023	Midweek						
18 May 2023	Midweek						
19 May 2023	Midweek						
20 May 2023	Weekend						
21 May 2023	Weekend						
22 May 2023	Weekend					8	
23 May 2023	Midweek						
24 May 2023	Midweek						
25 May 2023	Midweek						
26 May 2023	Midweek		5				
27 May 2023	Weekend						
28 May 2023	Weekend		8				
29 May 2023	Midweek	6					
30 May 2023	Midweek						
31 May 2023	Midweek						
01 Jun 2023	Midweek						
02 Jun 2023	Midweek						
03 Jun 2023	Weekend				2		

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-Apr-2023	Friday		0							
29-Apr-2023	Saturday		0					46	1025	72
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							
04-May-2023	Thursday		0							
05-May-2023	Friday		0					2	1033	4
06-May-2023	Saturday	frequent whitecaps	2					4	1040	7
07-May-2023	Sunday	choppy	13	4						
08-May-2023	Monday		0							
09-May-2023	Tuesday		6							
10-May-2023	Wednesday		10							
11-May-2023	Thursday		16							
12-May-2023	Friday	calm/rippled	31	14			8			
13-May-2023	Saturday	choppy	18	2			5	98	1048	153
14-May-2023	Sunday	calm/rippled	14	3			5			
15-May-2023	Monday	calm/rippled	6				1			
16-May-2023	Tuesday	frequent whitecaps	8							
17-May-2023	Wednesday		7							
18-May-2023	Thursday		2					11	0958	16
19-May-2023	Friday		0							
20-May-2023	Saturday		0					13	1023	20
21-May-2023	Sunday		0							
22-May-2023	Monday (Victoria Day)	frequent whitecaps	8							
23-May-2023	Tuesday		6					27	1035	41
24-May-2023	Wednesday		7							
25-May-2023	Thursday		4							
26-May-2023	Friday	choppy	5	1						
27-May-2023	Saturday		0							
28-May-2023	Sunday	frequent whitecaps	8				1			
29-May-2023	Monday	choppy	6							
30-May-2023	Tuesday		4							
31-May-2023	Wednesday		2							
01-Jun-2023	Thursday		0							
02-Jun-2023	Friday		0							
03-Jun-2023	Saturday	frequent whitecaps	2					18	1039	28
	Totals	choppy	130	15			13	13*		20*
	Totals	choppy	63	9			11	38*		60*

* 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	20	22	440	0.115			0.1	51			44
Weekend	60	9	540	0.143			0.175	77			95

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	May	1854	999			76
2019	May	1907	0			33
2020	May	1439				257
2021	May	1623	0			956
2022	May	1269	0			318
2023	May	966	178			160
5-Yr Avg	May	1618	250			328

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	178	100%	19%	263	99%	13%	33

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	193	9%
iRec Anglers	2612	13%

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

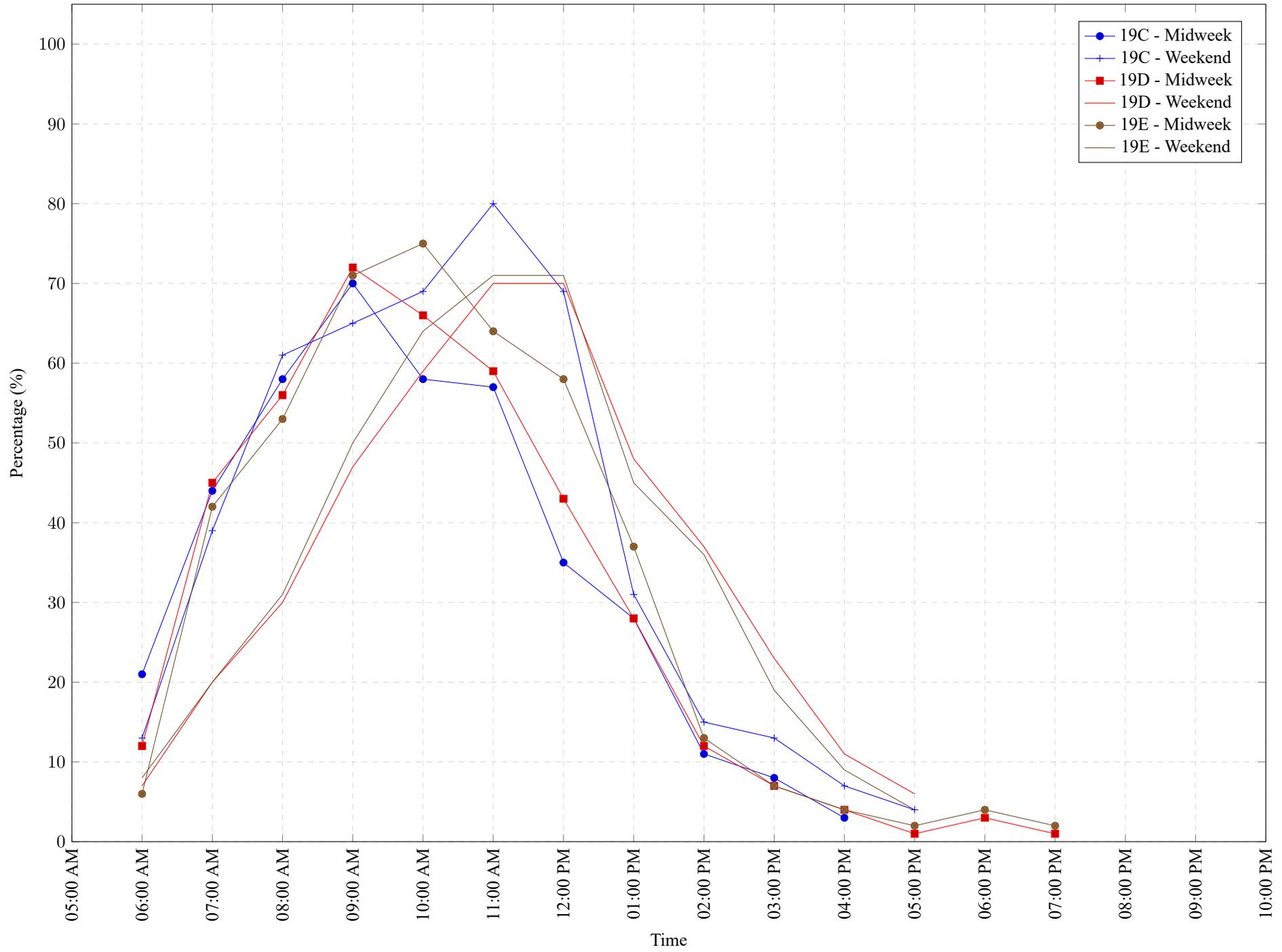


Table 7: Proportion of each day's fishing by hour.

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	21%	44%	58%	70%	58%	57%	35%	28%	11%	8%	3%	0%	0%	0%	0%	0%	0%
19C	Weekend	13%	39%	61%	65%	69%	80%	69%	31%	15%	13%	7%	4%	0%	0%	0%	0%	0%
19D	Midweek	12%	45%	56%	72%	66%	59%	43%	28%	12%	7%	4%	1%	3%	1%	0%	0%	0%
19D	Weekend	7%	20%	30%	47%	59%	70%	70%	48%	37%	23%	11%	6%	0%	0%	0%	0%	0%
19E	Midweek	6%	42%	53%	71%	75%	64%	58%	37%	13%	7%	4%	2%	4%	2%	0%	0%	0%
19E	Weekend	8%	20%	31%	50%	64%	71%	71%	45%	36%	19%	9%	4%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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