## FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

## Area 19 (JDF) May 2024



## Prepared By: South Coast Salmon Stock Assessment Section

Friday 19th July, 2024

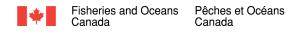




Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

		Cattle Point		Flemr	nina	Pedder Bay		
Date	Day Type	AM	PM	AM	PM	AM	PM	
28 Apr 2024	Weekend	AIVI	1 1/1	Alvi	1 171	AIVI	1 1/1	
29 Apr 2024	Midweek							
30 Apr 2024	Midweek							
01 May 2024	Midweek							
02 May 2024	Midweek			19		14		
02 May 2024 03 May 2024	Midweek			19		17		
04 May 2024	Weekend				12			
05 May 2024	Weekend				12			
06 May 2024	Midweek							
06 May 2024 07 May 2024	Midweek							
	Midweek							
08 May 2024	Midweek							
09 May 2024							0	
10 May 2024	Midweek		1 5				8	
11 May 2024	Weekend	0	15					
12 May 2024	Weekend	8						
13 May 2024	Midweek				1			
14 May 2024	Midweek							
15 May 2024	Midweek							
16 May 2024	Midweek							
17 May 2024	Midweek							
18 May 2024	Weekend							
19 May 2024	Weekend							
20 May 2024	Weekend					12		
21 May 2024	Midweek							
22 May 2024	Midweek							
23 May 2024	Midweek							
24 May 2024	Midweek							
25 May 2024	Weekend							
26 May 2024	Weekend							
27 May 2024	Midweek					5		
28 May 2024	Midweek							
29 May 2024	Midweek							
30 May 2024	Midweek							
31 May 2024	Midweek							
01 Jun 2024	Weekend		4					
02 Jun 2024	Weekend							
03 Jun 2024	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-Apr-2024	Sunday		0							
29-Apr-2024	Monday		0							
30-Apr-2024	Tuesday		2							
01-May-2024	Wednesday		2							
02-May-2024	Thursday	calm/rippled	38	4			19	70	1025	107
03-May-2024	Friday	**	0							
04-May-2024	Saturday	calm/rippled	12				3			
05-May-2024	Sunday	**	0							
06-May-2024	Monday		0							
07-May-2024	Tuesday		2							
08-May-2024	Wednesday		5							
09-May-2024	Thursday		4							
10-May-2024	Friday	calm/rippled	8	4			1	21	1033	32
11-May-2024	Saturday	calm/rippled	15	1				31	1039	38
12-May-2024	Sunday	calm/rippled	8					17	1024	21
13-May-2024	Monday	choppy	1							
14-May-2024	Tuesday		4							
15-May-2024	Wednesday		2							
16-May-2024	Thursday		0							
17-May-2024	Friday		0					3	1029	6
18-May-2024	Saturday		0							
19-May-2024	Sunday		0							
20-May-2024	Monday	frequent	12	1			1	48	1041	60
	(Victoria Day)	whitecaps								
21-May-2024	Tuesday		4							
22-May-2024	Wednesday		2							
23-May-2024	Thursday		3							
24-May-2024	Friday		0							
25-May-2024	Saturday		0					0	1010	0
26-May-2024	Sunday		0							
27-May-2024	Monday	choppy	5							
28-May-2024	Tuesday		4							
29-May-2024	Wednesday		4							
30-May-2024	Thursday		2					20	1014	31
31-May-2024	Friday		0							
01-Jun-2024	Saturday	frequent whitecaps	4				4	64	1125	83
02-Jun-2024	Sunday		0							
03-Jun-2024	Monday		0							
	Totals	choppy	90	8			20	29*		44*
	Totals	choppy	47	2			4	24*		30*

 $<sup>^{\</sup>ast}$  Average number of boats Observed and Expanded

Table 3: Simple area based cpue (catch per boat trip) expansion.

				CPUE				Ret	ained		
Day Type	Average	Number of	Total	Chinook	Coho	Sockeye	Halibut	Chinook	Coho	Sockeye	Halibut
	Expanded	Days	Estimated								
	Boats		Effort								
Weekend	30	9	270	0.043			0.085	12			23
Midweek	44	22	968	0.089			0.222	86			215

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2019	May	1907	0			33
2020	May	1439				257
2021	May	1623	0			956
2022	May	1269	0			318
2023	May	966	178			160
2024	May	1364	199			514
5-Yr Avg	May	1441	45			345

Table 5: Sport Head Recovery Review.

Species	Creel Creel	Creel	iRec iRec	iRec	Sport Head
	Marked Mark	Submission	Marked Mark	Submission	Recoveries
	Catch Rate	Rate	Catch Rate	Rate	

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	119	4%
iRec Anglers	2380	14%

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Figure 1: Proportion of each day's fishing by hour. 19C - Weekend 100 → 19C 19D 19E - Midweek 19D 19E - Weekend 90 80 70 60 Percentage (%) 50 40 30 20 10  $05.00 \, \mathrm{AM}_{\square}^{0}$ 12:00 PM Md 00:90 09:00 PM 10:00 PM07:00 AM 08:00 AM 02:00 PM 03:00 PM 04:00 PM 05:00 PM 07:00 PM 06:00 AM 09:00 AM  $10:00 \, \mathrm{AM}$ 11:00 AM 01:00 PM 08:00 PM Time

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

Areas	Day Type	6:00				10:00												
		AM	AM	AM	AM	AM	AM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
19C	Weekend	6%	19%	44%	59%	74%	69%	53%	32%	18%	13%	11%	4%	4%	2%	2%	0%	0%
19C 19D 19E	Midweek	4%	20%	39%	57%	65%	49%	27%	29%	20%	23%	11%	5%	5%	1%	0%	0%	0%
19D 19E	Weekend	0%	15%	44%	64%	85%	80%	59%	36%	18%	9%	6%	3%	3%	3%	3%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Cattle Point	Flemming	Pedder Bay
28 Apr 2024	Weekend			
29 Apr 2024	Midweek			
30 Apr 2024	Midweek			
01 May 2024	Midweek			
02 May 2024	Midweek		calm/rippled	calm/rippled
03 May 2024	Midweek			
04 May 2024	Weekend		calm/rippled	
05 May 2024	Weekend			
06 May 2024	Midweek			
07 May 2024	Midweek			
08 May 2024	Midweek			
09 May 2024	Midweek			
10 May 2024	Midweek			calm/rippled
11 May 2024	Weekend	calm/rippled		
12 May 2024	Weekend	calm/rippled		
13 May 2024	Midweek		choppy	
14 May 2024	Midweek			
15 May 2024	Midweek			
16 May 2024	Midweek			
17 May 2024	Midweek			
18 May 2024	Weekend			
19 May 2024	Weekend			
20 May 2024	Weekend			frequent whitecaps
21 May 2024	Midweek			
22 May 2024	Midweek			
23 May 2024	Midweek			
24 May 2024	Midweek			
25 May 2024	Weekend			
26 May 2024	Weekend			
27 May 2024	Midweek			choppy
28 May 2024	Midweek			
29 May 2024	Midweek			
30 May 2024	Midweek			
31 May 2024	Midweek			
01 Jun 2024	Weekend	frequent		
		whitecaps		
02 Jun 2024	Weekend			
03 Jun 2024	Midweek			