## FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

## Area 18 April 2023



## Prepared By: South Coast Salmon Stock Assessment Section

Wednesday 7th February, 2024

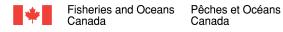




Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

		Cowich	an Bay	Crofton	Ramp	Mill	Bay	Sidney ( Park R	
Date	Day Type	AM	PM	AM	PM	AM	PM	MD	PM
29 Mar 2023	Midweek	7 1111	1 1/1	71111	1 171	7 1111	1 171	MD	1 1/1
30 Mar 2023	Midweek								
31 Mar 2023	Midweek							1	
01 Apr 2023	Weekend			2				1	
02 Apr 2023	Weekend		9	2					
03 Apr 2023	Midweek								
04 Apr 2023	Midweek								
05 Apr 2023	Midweek	4							
06 Apr 2023	Midweek	7							
07 Apr 2023	Weekend	3							
08 Apr 2023	Weekend	3	2						
09 Apr 2023	Weekend		2			3			
10 Apr 2023	Midweek					3			
11 Apr 2023	Midweek								
12 Apr 2023	Midweek								
13 Apr 2023	Midweek								
14 Apr 2023	Midweek		5						
15 Apr 2023	Weekend		<u> </u>		4		2		
16 Apr 2023	Weekend				•		2		
17 Apr 2023	Midweek								
18 Apr 2023	Midweek		1						
19 Apr 2023	Midweek		1						
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		10		1				5
02 May 2023	Midweek		10		•				J
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		1							
30-Mar-2023	Thursday		1	4						
31-Mar-2023	Friday	frequent	3							
	·	whitecaps								
01-Apr-2023	Saturday	calm/rippled	2							
02-Apr-2023	Sunday	calm/rippled	9					8	1050	20
03-Apr-2023	Monday		0							
04-Apr-2023	Tuesday		0							
05-Apr-2023	Wednesday	choppy	4					3	1036	8
06-Apr-2023	Thursday		0							
07-Apr-2023	Friday (Good	calm/rippled	3					3	1020	9
	Friday)									
08-Apr-2023	Saturday	frequent	2							
		whitecaps								
09-Apr-2023	Sunday	choppy	3							
10-Apr-2023	Monday		0							
11-Apr-2023	Tuesday		0							
12-Apr-2023	Wednesday		0							
13-Apr-2023	Thursday		0							
14-Apr-2023	Friday	choppy	5					7	1036	19
15-Apr-2023	Saturday	calm/rippled	6	4						
16-Apr-2023	Sunday		0							
17-Apr-2023	Monday		0							
18-Apr-2023	Tuesday	calm/rippled	1							
19-Apr-2023	Wednesday		0							
20-Apr-2023	Thursday		0							
21-Apr-2023	Friday		0					1	1039	3
22-Apr-2023	Saturday		0							
23-Apr-2023	Sunday		0							
24-Apr-2023	Monday		2							
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					11	1104	21
30-Apr-2023	Sunday		0							
01-May-2023	Monday	calm/rippled	16							
02-May-2023	Tuesday		0							
03-May-2023	Wednesday		3							
	Totals	choppy	12					4*		10*
	Totals	choppy	25	4				7*		17*

<sup>\*</sup> Average number of boats Observed and Expanded

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

				CPUE			Retained				
Day Type	Average	Number of	Total	Chinook	Coho	Sockeye	Halibut	Chinook	Coho	Sockeye	Halibut
	Expanded	Days	Estimated								
	Boats		Effort								
Weekend	17	11	187	0.16				30			
Midweek	10	19	190								

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2021	April	165	0			14
2022	April	181	0			0
2023	April	568	0			13
5-Yr Avg	April	173	0			7

Table 5: Sport Head Recovery Review.

Species		Creel Mark Rate	Creel Submission Rate			iRec Submission Rate	Sport Head Recoveries
Chinook	0	0%		0	0%		2

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	37	0%
iRec Anglers	210	30%

Figure 1: Proportion of each day's fishing by hour. 18A - Weekend 100 18A 18B - Midweek 18B - Weekend 18D - Midweek 90 18D - Weekend 18E - Midweek 18E - Weekend 80 70 60 Percentage (%) 50 40 30 20 10  $05:00 \text{ AM}_{\square}^0$ 12:00 PM 09:00 PM 10:00 PM07:00 AM 02:00 PM 03:00 PM 04:00 PM 05:00 PM 06:00 PM 06:00 AM 09:00 AM  $08:00 \, AM$  $10:00\,\mathrm{AM}$ 11:00 AM 01:00 PM 07:00 PM 08:00 PM

Time

Area 18 April 2023

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										
18A	Weekend	0%	0%	0%	20%	20%	73%	67%	40%	13%	0%	0%	0%	0%	0%	0%	0%	0%
18A 18B	Midweek	0%	0%	0%	0%	0%	0%	25%	25%	25%	75%	50%	50%	0%	0%	0%	0%	0%
18B	Weekend	0%	0%	0%	10%	10%	38%	55%	41%	28%	0%	28%	28%	0%	0%	0%	0%	0%
18D	Midweek	0%	0%	0%	100%	100%	100%	50%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%
18D	Weekend	4%	11%	19%	41%	52%	62%	72%	57%	44%	15%	10%	10%	0%	0%	0%	0%	0%
18E	Midweek	0%	0%	0%	50%	50%	50%	38%	25%	13%	38%	25%	25%	0%	0%	0%	0%	0%
18E	Weekend	4%	11%	17%	42%	52%	62%	71%	56%	44%	14%	9%	9%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Cowichan Bay	Crofton Ramp	Mill Bay	Sidney (Tulista Park Ramp)
29 Mar 2023	Midweek				
30 Mar 2023	Midweek				
31 Mar 2023	Midweek				frequent whitecaps
01 Apr 2023	Weekend		calm/rippled		•
02 Apr 2023	Weekend	calm/rippled			
03 Apr 2023	Midweek				
04 Apr 2023	Midweek				
05 Apr 2023	Midweek	choppy			
06 Apr 2023	Midweek				
07 Apr 2023	Weekend	calm/rippled			
08 Apr 2023	Weekend	frequent whitecaps			
09 Apr 2023	Weekend	wintecaps		choppy	
10 Apr 2023	Midweek			спорру	
11 Apr 2023	Midweek				
12 Apr 2023	Midweek				
13 Apr 2023	Midweek				
14 Apr 2023	Midweek	choppy			
15 Apr 2023	Weekend		calm/rippled	calm/rippled	
16 Apr 2023	Weekend		11	11	
17 Apr 2023	Midweek				
18 Apr 2023	Midweek	calm/rippled			
19 Apr 2023	Midweek	11			
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	calm/rippled	calm/rippled		calm/rippled
02 May 2023	Midweek				
03 May 2023	Midweek				