FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 18 April 2022



Prepared By: South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023

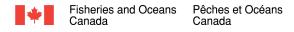




Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

		Cowicha	ın Bay	Crofton	Ramp	Mill	Bay		Sidney	
Date	Day Type	AM	PM	AM	PM	AM	PM	AM	MD	PM
29 Mar 2022	Midweek									
30 Mar 2022	Midweek									
31 Mar 2022	Midweek								4	
01 Apr 2022	Midweek									
02 Apr 2022	Weekend			1		9				
03 Apr 2022	Weekend									
04 Apr 2022	Midweek									
05 Apr 2022	Midweek									
06 Apr 2022	Midweek									
07 Apr 2022	Midweek									
08 Apr 2022	Midweek									
09 Apr 2022	Weekend						2			
10 Apr 2022	Weekend									
11 Apr 2022	Midweek									
12 Apr 2022	Midweek									
13 Apr 2022	Midweek						2			
14 Apr 2022	Midweek		3							
15 Apr 2022	Weekend									
16 Apr 2022	Weekend		7							
17 Apr 2022	Weekend				1					2
18 Apr 2022	Midweek									
19 Apr 2022	Midweek									
20 Apr 2022	Midweek	2								
21 Apr 2022	Midweek					1	2			
22 Apr 2022	Midweek									
23 Apr 2022	Weekend	8						2		
24 Apr 2022	Weekend									
25 Apr 2022	Midweek			1						
26 Apr 2022	Midweek									
27 Apr 2022	Midweek									2
28 Apr 2022	Midweek		2							
29 Apr 2022	Midweek									
30 Apr 2022	Weekend									
01 May 2022	Weekend			1				4		
02 May 2022	Midweek									
03 May 2022	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-2022	Tuesday		1	1						
30-Mar-2022	Wednesday		0							
31-Mar-2022	Thursday	choppy	4	1						
01-Apr-2022	Friday	***	0							
02-Apr-2022	Saturday	choppy	10					14	1134	20
03-Apr-2022	Sunday	***	0							
04-Apr-2022	Monday		0							
05-Apr-2022	Tuesday		0					1	1114	2
06-Apr-2022	Wednesday		0							
07-Apr-2022	Thursday		0							
08-Apr-2022	Friday		0							
09-Apr-2022	Saturday	choppy	2					0	1110	0
10-Apr-2022	Sunday	117	0							
11-Apr-2022	Monday		0							
12-Apr-2022	Tuesday		0							
13-Apr-2022	Wednesday	choppy	2							
14-Apr-2022	Thursday	choppy	3							
15-Apr-2022	Friday (Good Friday)		0					11	1122	15
16-Apr-2022	Saturday	choppy	7							
17-Apr-2022	Sunday	calm/rippled	3							
18-Apr-2022	Monday		0							
19-Apr-2022	Tuesday		0							
20-Apr-2022	Wednesday	calm/rippled	2							
21-Apr-2022	Thursday	calm/rippled	3							
22-Apr-2022	Friday		0							
23-Apr-2022	Saturday	choppy	11							
24-Apr-2022	Sunday		0							
25-Apr-2022	Monday	calm/rippled	1					1	1115	2
26-Apr-2022	Tuesday		0							
27-Apr-2022	Wednesday	calm/rippled	2					0	1110	0
28-Apr-2022	Thursday	choppy	2							
29-Apr-2022	Friday		0							
30-Apr-2022	Saturday		0							
01-May-2022	Sunday	choppy	5							
02-May-2022	Monday		0					1	1158	2
03-May-2022	Tuesday		0							
	Totals	calm/rippled	15					1*		1*
	Totals	choppy	33					8*		12*

^{*} 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	12	10	120									
Midweek	1	20	20									

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
5-Yr Avg	April	165	0			14

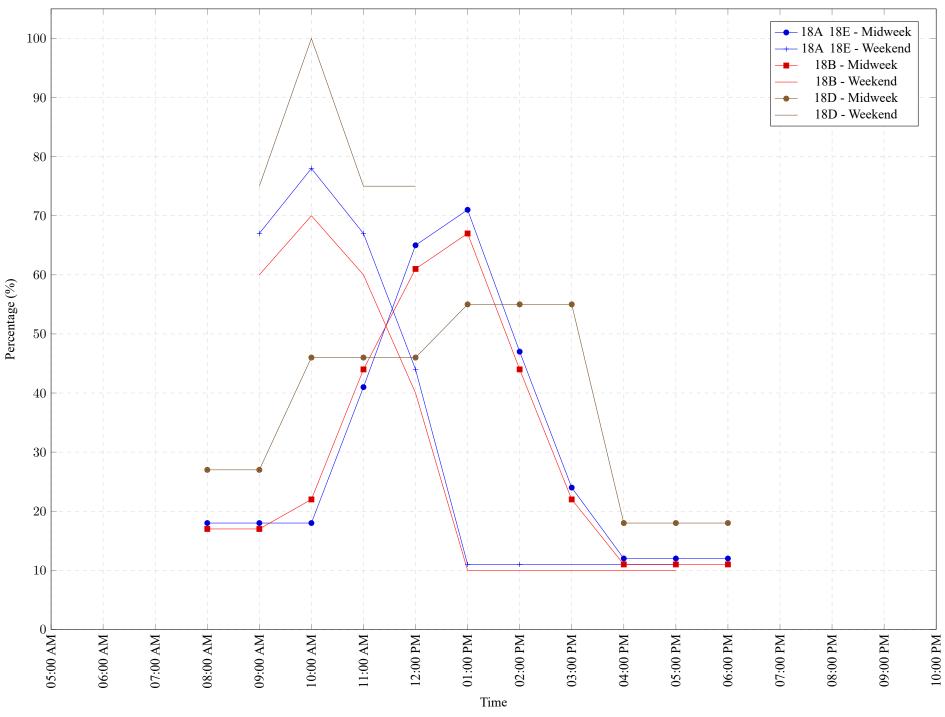
Table 5: Sport Head Recovery Review.

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	48	3%
iRec Anglers	113	26%

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



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

Areas	Day Type	6:00	7:00	8:00	9:00						03:00							
		AM	AM	AM	AM	AM	AM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
18A 18E	Midweek	0%	0%	18%	18%	18%	41%	65%	71%	47%	24%	12%	12%	12%	0%	0%	0%	0%
18A 18E	Weekend	0%	0%	0%	67%	78%	67%	44%	11%	11%	0%	11%	11%	0%	0%	0%	0%	0%
18B	Midweek	0%	0%	17%	17%	22%	44%	61%	67%	44%	22%	11%	11%	11%	0%	0%	0%	0%
18B	Weekend	0%	0%	0%	60%	70%	60%	40%	10%	10%	10%	10%	10%	0%	0%	0%	0%	0%
18D	Midweek	0%	0%	27%	27%	46%	46%	46%	55%	55%	55%	18%	18%	18%	0%	0%	0%	0%
18D	Weekend	0%	0%	0%	75%	100%	75%	75%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

 Date	Day Type	Cowichan	Crofton	Mill Bay	Sidney
Date	Day Type	Bay	Ramp	Willi Bay	Sidiley
29 Mar 2022	Midweek				
30 Mar 2022	Midweek				
31 Mar 2022	Midweek				choppy
01 Apr 2022	Midweek				110
02 Apr 2022	Weekend		calm/rippled	choppy	
03 Apr 2022	Weekend				
04 Apr 2022	Midweek				
05 Apr 2022	Midweek				
06 Apr 2022	Midweek				
07 Apr 2022	Midweek				
08 Apr 2022	Midweek				
09 Apr 2022	Weekend			choppy	
10 Apr 2022	Weekend				
11 Apr 2022	Midweek				
12 Apr 2022	Midweek				
13 Apr 2022	Midweek			choppy	
14 Apr 2022	Midweek	choppy			
15 Apr 2022	Weekend				
16 Apr 2022	Weekend	choppy			
17 Apr 2022	Weekend		choppy		calm/rippled
18 Apr 2022	Midweek				
19 Apr 2022	Midweek				
20 Apr 2022	Midweek	calm/rippled			
21 Apr 2022	Midweek			calm/rippled	
22 Apr 2022	Midweek				
23 Apr 2022	Weekend	choppy			choppy
24 Apr 2022	Weekend				
25 Apr 2022	Midweek		calm/rippled		
26 Apr 2022	Midweek				
27 Apr 2022	Midweek				calm/rippled
28 Apr 2022	Midweek	choppy			
29 Apr 2022	Midweek				
30 Apr 2022	Weekend				
01 May 2022	Weekend		choppy		choppy
02 May 2022	Midweek				
03 May 2022	Midweek				