FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 18 April 2021



Prepared By: South Coast Salmon Stock Assessment Section

Thursday 3rd February, 2022

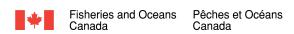




Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

		Cowich	an Bay	Crofton	Mill Bay	Sidn	iey
Date	Day Type	AM	PM	Ramp AM	PM	AM	PM
29 Mar 2021	Midweek	Alvi	L IAI	AlVI	I IVI	Alvi	L IAI
30 Mar 2021	Midweek						
31 Mar 2021	Midweek						
01 Apr 2021	Midweek						
02 Apr 2021	Weekend						
03 Apr 2021	Weekend						1
04 Apr 2021	Weekend	4			4		1
05 Apr 2021	Midweek	4	8		4		
06 Apr 2021	Midweek		o				
07 Apr 2021	Midweek						
08 Apr 2021	Midweek						
09 Apr 2021	Midweek						
10 Apr 2021	Weekend						3
11 Apr 2021	Weekend					2	3
12 Apr 2021	Midweek					2	
13 Apr 2021	Midweek						
14 Apr 2021	Midweek						
15 Apr 2021	Midweek					1	
16 Apr 2021	Midweek					1	
17 Apr 2021	Weekend						
18 Apr 2021	Weekend	7					
19 Apr 2021	Midweek	,				1	
20 Apr 2021	Midweek					1	
21 Apr 2021	Midweek						
22 Apr 2021	Midweek						
23 Apr 2021	Midweek						
24 Apr 2021	Weekend	3					
25 Apr 2021	Weekend						
26 Apr 2021	Midweek	1					
27 Apr 2021	Midweek	-		1			
28 Apr 2021	Midweek			-			
29 Apr 2021	Midweek						
30 Apr 2021	Midweek						
01 May 2021	Weekend						
02 May 2021	Weekend						3
03 May 2021	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-2021	Monday		1							
30-Mar-2021	Tuesday		2	2						
31-Mar-2021	Wednesday		1							
01-Apr-2021	Thursday		0							
02-Apr-2021	Friday (Good		0					5	1140	10
Î.	Friday)									
03-Apr-2021	Saturday	choppy	1							
04-Apr-2021	Sunday	calm/rippled	8							
05-Apr-2021	Monday	frequent	8							
•	•	whitecaps								
06-Apr-2021	Tuesday	1	0					4	1138	6
07-Apr-2021	Wednesday		0							
08-Apr-2021	Thursday		0							
09-Apr-2021	Friday		0							
10-Apr-2021	Saturday	choppy	4					6	1128	12
11-Apr-2021	Sunday	calm/rippled	2					Ŭ	1120	
12-Apr-2021	Monday	ошил прртои	0							
13-Apr-2021	Tuesday		0							
14-Apr-2021	Wednesday		Ö							
15-Apr-2021	Thursday	calm/rippled	2	1						
16-Apr-2021	Friday	caminippied	0	1						
17-Apr-2021	Saturday		0					5	1149	10
18-Apr-2021	Sunday	calm/rippled	7					3	1147	10
19-Apr-2021	Monday	calm/rippled	1					2	1133	3
20-Apr-2021	Tuesday	caminippied	0					2	1133	3
21-Apr-2021	Wednesday		0							
22-Apr-2021	Thursday		0							
23-Apr-2021	Friday		0							
24-Apr-2021	Saturday	choppy	3							
25-Apr-2021	Saturday Sunday	спорру	3 1							
26-Apr-2021	Monday	calm/rippled	2					1	1134	1
27-Apr-2021	Tuesday	calm/rippled	1					1	1134	1
28-Apr-2021	Wednesday	caminippied	0							
29-Apr-2021	Thursday		0							
30-Apr-2021	Friday		0							
01-May-2021	Saturday		0					22	1118	44
02-May-2021	Saturday Sunday	ahamm	4					22	1110	44
02-May-2021 03-May-2021	Monday	choppy	0							
03-1v1ay-2021	•	a a l ma /i 1 1		1				2*		3*
	Totals Totals	calm/rippled choppy	14 26	1				2 5*		11*

^{*} 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	11	9	99								
Midweek	3	21	63	0.071				4			

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	

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	36	0%
iRec Anglers	175	7%

Figure 1: Proportion of each day's fishing by hour. → 18A 18B 18D 18E - Weekend 100 18A 18B 18E - Midweek 18D - Midweek 90 80 70 60 Percentage (%) 50 40 30 20 10 $05.00 \, \mathrm{AM}_{\square}^{0}$ 12:00 PM 04:00 PM 09:00 PM 10:00 PM07:00 AM 08:00 AM 02:00 PM 03:00 PM 05:00 PM 06:00 PM 07:00 PM 06:00 AM 09:00 AM $10:00\,\mathrm{AM}$ 11:00 AM 01:00 PM 08:00 PM Time

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

Areas	Day Type	6:00 AM				10:00 AM					03:00 PM		05:00 PM					
18A 18B 18D 18E	Weekend	0%	0%	0%	7%	18%	50%	54%	54%	43%	32%	11%	11%	11%	0%	0%	0%	0%
18A 18B 18E	Midweek	0%	7%	11%	21%	32%	70%	67%	58%	55%	54%	27%	22%	11%	0%	0%	0%	0%
18D	Midweek	0%	19%	19%	19%	49%	63%	49%	41%	34%	15%	15%	29%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Cowichan Bay	Crofton Ramp	Mill Bay	Sidney
29 Mar 2021	Midweek				
30 Mar 2021	Midweek				
31 Mar 2021	Midweek				
01 Apr 2021	Midweek				
02 Apr 2021	Weekend				
03 Apr 2021	Weekend				choppy
04 Apr 2021	Weekend	calm/rippled		calm/rippled	Спорру
05 Apr 2021	Midweek	frequent whitecaps		cum rippica	
06 Apr 2021	Midweek	1			
07 Apr 2021	Midweek				
08 Apr 2021	Midweek				
09 Apr 2021	Midweek				
10 Apr 2021	Weekend				choppy
11 Apr 2021	Weekend				calm/rippled
12 Apr 2021	Midweek				
13 Apr 2021	Midweek				
14 Apr 2021	Midweek				
15 Apr 2021	Midweek				calm/rippled
16 Apr 2021	Midweek				
17 Apr 2021	Weekend				
18 Apr 2021	Weekend	calm/rippled			
19 Apr 2021	Midweek				calm/rippled
20 Apr 2021	Midweek				
21 Apr 2021	Midweek				
22 Apr 2021	Midweek				
23 Apr 2021	Midweek				
24 Apr 2021	Weekend	choppy			
25 Apr 2021	Weekend				
26 Apr 2021	Midweek	calm/rippled			
27 Apr 2021	Midweek		calm/rippled		
28 Apr 2021	Midweek				
29 Apr 2021	Midweek				
30 Apr 2021	Midweek				
01 May 2021	Weekend				
02 May 2021	Weekend				choppy
03 May 2021	Midweek				