

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 18 August 2021



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 10th February, 2022



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

Date	Day Type	Cowichan Bay		Crofton Ramp PM	Mill Bay		Sidney	
		AM	PM		AM	PM	AM	PM
29 Jul 2021	Midweek							
30 Jul 2021	Midweek							
31 Jul 2021	Weekend							
01 Aug 2021	Weekend						4	
02 Aug 2021	Weekend							
03 Aug 2021	Midweek							
04 Aug 2021	Midweek	1						
05 Aug 2021	Midweek							
06 Aug 2021	Midweek							2
07 Aug 2021	Weekend		7					
08 Aug 2021	Weekend							9
09 Aug 2021	Midweek							
10 Aug 2021	Midweek							
11 Aug 2021	Midweek					10		
12 Aug 2021	Midweek							
13 Aug 2021	Midweek							
14 Aug 2021	Weekend			2				
15 Aug 2021	Weekend		3				3	
16 Aug 2021	Midweek						3	
17 Aug 2021	Midweek					1		
18 Aug 2021	Midweek							
19 Aug 2021	Midweek							1
20 Aug 2021	Midweek							
21 Aug 2021	Weekend							4
22 Aug 2021	Weekend				2			
23 Aug 2021	Midweek		3		1			
24 Aug 2021	Midweek							
25 Aug 2021	Midweek							
26 Aug 2021	Midweek							
27 Aug 2021	Midweek				2			
28 Aug 2021	Weekend					1		
29 Aug 2021	Weekend							
30 Aug 2021	Midweek					2		
31 Aug 2021	Midweek							
01 Sep 2021	Midweek							
02 Sep 2021	Midweek							
03 Sep 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-Jul-2021	Thursday		0							
30-Jul-2021	Friday		0							
31-Jul-2021	Saturday		1							
01-Aug-2021	Sunday	calm/rippled	4	1						
02-Aug-2021	Monday (B.C. Day)		1	3						
03-Aug-2021	Tuesday		0					16	0920	37
04-Aug-2021	Wednesday	choppy	2	1						
05-Aug-2021	Thursday		0					16	0931	37
06-Aug-2021	Friday	calm/rippled	2	1						
07-Aug-2021	Saturday	choppy	7		1			10	0925	20
08-Aug-2021	Sunday	frequent whitecaps	9	1		2		23	0941	47
09-Aug-2021	Monday		0					9	0958	21
10-Aug-2021	Tuesday		0							
11-Aug-2021	Wednesday	calm/rippled	10	1						
12-Aug-2021	Thursday		2	2						
13-Aug-2021	Friday		0							
14-Aug-2021	Saturday	choppy	2					39	0952	80
15-Aug-2021	Sunday	choppy	6							
16-Aug-2021	Monday	calm/rippled	3	1				15	0926	35
17-Aug-2021	Tuesday	choppy	1							
18-Aug-2021	Wednesday		1					19	0841	53
19-Aug-2021	Thursday	choppy	1							
20-Aug-2021	Friday		0							
21-Aug-2021	Saturday	choppy	4							
22-Aug-2021	Sunday	choppy	3					20	0948	42
23-Aug-2021	Monday	choppy	6		2					
24-Aug-2021	Tuesday		0					13	0945	31
25-Aug-2021	Wednesday		0							
26-Aug-2021	Thursday		0							
27-Aug-2021	Friday	calm/rippled	2							
28-Aug-2021	Saturday	choppy	1					35	0906	76
29-Aug-2021	Sunday		0							
30-Aug-2021	Monday	frequent whitecaps	2					6	0952	14
31-Aug-2021	Tuesday		1							
01-Sep-2021	Wednesday		1							
02-Sep-2021	Thursday		0							
03-Sep-2021	Friday		0							
	Totals	choppy	33	6	2			13*		33*
	Totals	choppy	37	5	1	2		25*		53*

* 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	33	21	693	0.182	0.061			126	42		
Weekend	53	10	530	0.135	0.027	0.054		72	14	29	

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	August	1676	39			
2017	August	4773	752	118		
2018	August	1035	149	46		
2019	August	1079	319	1		0
2020	August	1174	81	2		0
2021	August	1175	157	18	39	0
5-Yr Avg	August	1947	268	42		0

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	46	29%	2%	57	35%	2%	1

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	63	0%
iRec Anglers	3554	9%

4 of 6 Thursday 10th February, 2022

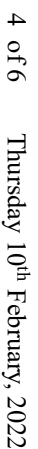


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	01:00 PM	02:00 PM	03:00 PM	04:00 PM	05:00 PM	06:00 PM	07:00 PM	08:00 PM	09:00 PM	10:00 PM
18A	Weekend	9%	31%	45%	50%	58%	52%	38%	25%	23%	20%	15%	13%	6%	2%	0%	0%	0%
18A 18D	Midweek	12%	15%	28%	37%	40%	41%	23%	24%	16%	14%	16%	26%	28%	12%	0%	0%	0%
18B	Midweek	17%	21%	40%	45%	41%	42%	24%	26%	14%	20%	14%	20%	23%	17%	0%	0%	0%
18B	Weekend	10%	33%	48%	54%	60%	53%	38%	24%	20%	17%	13%	9%	5%	2%	0%	0%	0%
18D	Weekend	4%	28%	39%	44%	53%	49%	38%	24%	27%	22%	16%	10%	2%	0%	0%	0%	0%
18E	Midweek	13%	33%	47%	52%	39%	39%	27%	29%	19%	21%	17%	15%	17%	13%	0%	0%	0%
18E	Weekend	4%	25%	35%	45%	59%	57%	53%	41%	35%	29%	18%	7%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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