FISHERIES AND OCEANS CANADA

South Coast Assessment Bulletin

CREEL SURVEY DATA REVIEW PACKAGE

Area 18 August 2022



Prepared By: South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



Fisheries and Oceans Canada Pêches et Océans Canada



		Cowicha	an Bay	Crofton	Ramp	McDon- ald Beach	Mill	Bay	Sidn	ey
Date	Day Type	AM	PM	AM	PM	AM	AM	PM	AM	PM
29 Jul 2022	Midweek						1			
30 Jul 2022	Weekend	3						4		
31 Jul 2022	Weekend						3			
01 Aug 2022	Weekend								6	
02 Aug 2022	Midweek									
03 Aug 2022	Midweek	3							1	
04 Aug 2022	Midweek									
05 Aug 2022	Midweek				1					
06 Aug 2022	Weekend									3
07 Aug 2022	Weekend									
08 Aug 2022	Midweek									
09 Aug 2022	Midweek	1								
10 Aug 2022	Midweek									
11 Aug 2022	Midweek				1					
12 Aug 2022	Midweek		6							5
13 Aug 2022	Weekend									
14 Aug 2022	Weekend	3								
15 Aug 2022	Midweek									
16 Aug 2022	Midweek									
17 Aug 2022	Midweek								3	
18 Aug 2022	Midweek									
19 Aug 2022	Midweek									5
20 Aug 2022	Weekend					1	1			
21 Aug 2022	Weekend		6							
22 Aug 2022	Midweek							1		
23 Aug 2022	Midweek									
24 Aug 2022	Midweek			1						
25 Aug 2022	Midweek	2								
26 Aug 2022	Midweek		1							2
27 Aug 2022	Weekend									2
28 Aug 2022	Weekend		7					1		
29 Aug 2022	Midweek									
30 Aug 2022	Midweek									
31 Aug 2022	Midweek		4							
01 Sep 2022	Midweek									
02 Sep 2022	Midweek									
03 Sep 2022	Weekend								1	

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

Date	Day	Average Fishing	Interviews & Log Trips	Chinook	Coho	Sockeye	Halibut	Observed Fishing	Flight Time	Expanded Fishing
		Conditions	0 1					e		U
29-Jul-2022	Friday	calm/rippled	1							
30-Jul-2022	Saturday	calm/rippled	7					9	1048	21
31-Jul-2022	Sunday	calm/rippled	3							
01-Aug-2022	Monday (B.C.	calm/rippled	6	1				33	1033	80
6	Day)	11								
02-Aug-2022	Tuesday		0					10	1044	25
03-Aug-2022	Wednesday	choppy	4							
04-Aug-2022	Thursday	115	0							
05-Aug-2022	Friday	choppy	1							
06-Aug-2022	Saturday	calm/rippled	3	2						
07-Aug-2022	Sunday		0					11	1052	27
08-Aug-2022	Monday		2	2						
09-Aug-2022	Tuesday	choppy	1	-						
10-Aug-2022	Wednesday	enspp)	0							
11-Aug-2022	Thursday	choppy	1							
12-Aug-2022	Friday	choppy	11	1				12	1042	29
13-Aug-2022	Saturday	enoppy	0	1				21	1043	51
14-Aug-2022	Sunday	calm/rippled	3						10.0	
15-Aug-2022	Monday	camppica	0							
16-Aug-2022	Tuesday		0							
17-Aug-2022	Wednesday	calm/rippled	3	1		1				
18-Aug-2022	Thursday	camppied	0	1		1		13	1045	31
19-Aug-2022	Friday	calm/rippled	5	1				15	1045	51
20-Aug-2022	Saturday	calm/rippled	2	2						
20-Aug-2022 21-Aug-2022	Sunday	frequent	6	1	1			18	1040	43
21-Mug-2022	Sunday	whitecaps	Ū	1	1			10	1040	75
22-Aug-2022	Monday	calm/rippled	1							
22-Aug-2022 23-Aug-2022	Tuesday	caminppicu	0					8	1038	19
23-Aug-2022 24-Aug-2022	Wednesday	calm/rippled	1					0	1056	19
24-Aug-2022 25-Aug-2022	Thursday	choppy	2							
26-Aug-2022	Friday	choppy	3							
20-Aug-2022 27-Aug-2022	Saturday	choppy	2					15	1042	36
27-Aug-2022 28-Aug-2022	Sunday	choppy	8					15	1042	30
29-Aug-2022	Monday	спорру	0					9	1046	21
30-Aug-2022	Tuesday		0					フ	1040	$\angle 1$
30-Aug-2022 31-Aug-2022	Wednesday	chonny	0 4	1						
01-Sep-2022	•	choppy	4	1				14	1137	42
01-Sep-2022 02-Sep-2022	Thursday Friday		0					14	113/	42
		-1						10	1151	47
03-Sep-2022	Saturday	choppy	1	6		1		19 10 [*]	1151	47 25 [*]
	Totals	choppy	39 30	6	1	1		10 20 [*]		25 47*
	Totals	choppy		6	1			20		4/

Table 2: Daily tally of interviews, catch and effort.

* Average number of boats Observed and Expanded

			CPUE					Retained				
Day Type	Average	Number of	Total	Chinook	Coho	Sockeye	Halibut	Chinook	Coho	Sockeye	Halibut	
	Expanded	Days	Estimated									
	Boats		Effort									
Midweek	25	22	550	0.154		0.026		85		14		
Weekend	47	9	423	0.2	0.033			85	14			

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

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2022	August	1105	278	1	0	0
5-Yr Avg	August	1847	292	37	39	0

Table 5: Sport Head Recovery Review.

Species	Creel Marked Catch	l Mark	Creel Submission Rate	iRec Marked Catch		iRec Submission Rate	Sport Head Recoveries
Chinook	107	38%	7%	105	46%	8%	8

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	69	0%
iRec Anglers	2285	20%

4

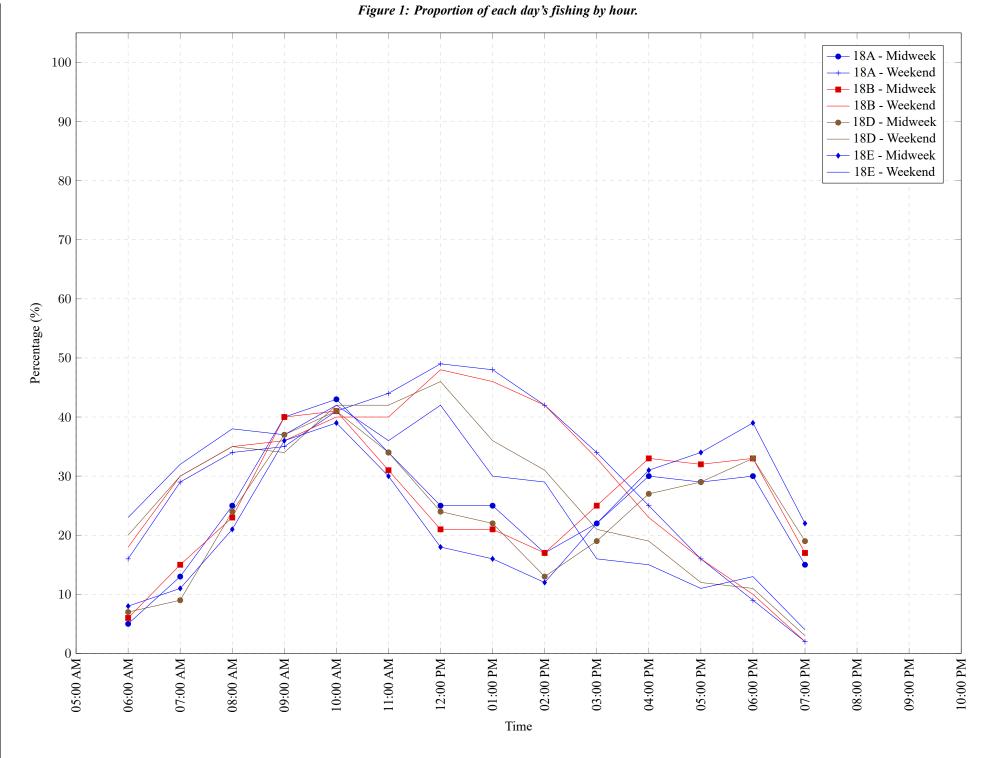


 Table 7: Proportion of each day's fishing by hour.

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	Midweek	5%	13%	25%	40%	43%	34%	25%	25%	17%	22%	30%	29%	30%	15%	0%	0%	0%
18A	Weekend	16%	29%	34%	35%	41%	44%	49%	48%	42%	34%	25%	16%	9%	2%	0%	0%	0%
18B	Midweek	6%	15%	23%	40%	41%	31%	21%	21%	17%	25%	33%	32%	33%	17%	0%	0%	0%
18B	Weekend	18%	30%	35%	36%	40%	40%	48%	46%	42%	33%	23%	16%	10%	2%	0%	0%	0%
18D	Midweek	7%	9%	24%	37%	41%	34%	24%	22%	13%	19%	27%	29%	33%	19%	0%	0%	0%
18D	Weekend	20%	30%	35%	34%	42%	42%	46%	36%	31%	21%	19%	12%	11%	3%	0%	0%	0%
18E	Midweek	8%	11%	21%	36%	39%	30%	18%	16%	12%	22%	31%	34%	39%	22%	0%	0%	0%
18E	Weekend	23%	32%	38%	37%	42%	36%	42%	30%	29%	16%	15%	11%	13%	4%	0%	0%	0%

Date	Day Type	Cowichan Bay	Crofton Ramp	McDonald Beach	Mill Bay	Sidney
29 Jul 2022	Midweek				calm/rippled	
30 Jul 2022	Weekend	calm/rippled			calm/rippled	
31 Jul 2022	Weekend	11			calm/rippled	
01 Aug 2022	Weekend				11	calm/rippled
02 Aug 2022	Midweek					11
03 Aug 2022	Midweek	choppy				choppy
04 Aug 2022	Midweek	115				115
05 Aug 2022	Midweek		choppy			
06 Aug 2022	Weekend		115			calm/rippled
07 Aug 2022	Weekend					11
08 Aug 2022	Midweek					
09 Aug 2022	Midweek	choppy				
10 Aug 2022	Midweek	117				
11 Aug 2022	Midweek		choppy			
12 Aug 2022	Midweek	choppy	117			calm/rippled
13 Aug 2022	Weekend	117				11
14 Aug 2022	Weekend	calm/rippled				
15 Aug 2022	Midweek	11				
16 Aug 2022	Midweek					
17 Aug 2022	Midweek					calm/rippled
18 Aug 2022	Midweek					
19 Aug 2022	Midweek					calm/rippled
20 Aug 2022	Weekend			calm/rippled	calm/rippled	
21 Aug 2022	Weekend	frequent				
		whitecaps				
22 Aug 2022	Midweek				calm/rippled	
23 Aug 2022	Midweek					
24 Aug 2022	Midweek		calm/rippled			
25 Aug 2022	Midweek	choppy				
26 Aug 2022	Midweek	choppy				choppy
27 Aug 2022	Weekend					choppy
28 Aug 2022	Weekend	choppy			choppy	
29 Aug 2022	Midweek					
30 Aug 2022	Midweek					
31 Aug 2022	Midweek	choppy				
01 Sep 2022	Midweek					
02 Sep 2022	Midweek					
03 Sep 2022	Weekend					choppy

Table 8: Daily Fishing Conditions.