FISHERIES AND OCEANS CANADA

South Coast Assessment Bulletin

CREEL SURVEY DATA REVIEW PACKAGE

# Area 18 August 2023



Prepared By: South Coast Salmon Stock Assessment Section

Saturday 10<sup>th</sup> February, 2024



Fisheries and Oceans Canada Pêches et Océans Canada



		Cowich	an Bay	Crofton	Lady-	Mill	Bay	Sidney	
	ЪТ	434	DI (	Ramp	smith			Park R	
Date 29 Jul 2023	Day Type Weekend	AM	PM	PM	PM	AM	PM	AM	PM
						1			
30 Jul 2023	Weekend					1			
31 Jul 2023	Midweek								
01 Aug 2023	Midweek		-						
02 Aug 2023	Midweek		7						
03 Aug 2023	Midweek								
04 Aug 2023	Midweek						1		
05 Aug 2023	Weekend							2	
06 Aug 2023	Weekend								
07 Aug 2023	Weekend			1					
08 Aug 2023	Midweek			1					
09 Aug 2023	Midweek								1
10 Aug 2023	Midweek							1	
11 Aug 2023	Midweek								
12 Aug 2023	Weekend								5
13 Aug 2023	Weekend	4							
14 Aug 2023	Midweek								
15 Aug 2023	Midweek								
16 Aug 2023	Midweek								
17 Aug 2023	Midweek		4						
18 Aug 2023	Midweek								
19 Aug 2023	Weekend		9						4
20 Aug 2023	Weekend								
21 Aug 2023	Midweek								2
22 Aug 2023	Midweek								
23 Aug 2023	Midweek							1	
24 Aug 2023	Midweek	3							
25 Aug 2023	Midweek	-							
26 Aug 2023	Weekend						1		
27 Aug 2023	Weekend		11						
28 Aug 2023	Midweek								1
29 Aug 2023	Midweek					1			
30 Aug 2023	Midweek					1			
31 Aug 2023	Midweek								
01 Sep 2023	Midweek						2		
02 Sep 2023	Weekend				1		2		
02 Sep 2023 03 Sep 2023	Weekend			1	1		1		
05 Sep 2025	weekenu			1			1		

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

Date	Day	Average Fishing Conditions	Interviews & Log Trips	Chinook	Coho	Sockeye	Halibut	Observed Fishing	Flight Time	Expanded Fishing
29-Jul-2023	Saturday		0							
30-Jul-2023	Sunday	choppy	2							
31-Jul-2023	Monday		0							
01-Aug-2023	Tuesday		0							
02-Aug-2023	Wednesday	calm/rippled	8	2				16	1033	34
03-Aug-2023	Thursday		0							
04-Aug-2023	Friday	choppy	1							
05-Aug-2023	Saturday	choppy	3	2						
06-Aug-2023	Sunday		0					58	1035	102
07-Aug-2023	Monday (B.C.	choppy	1					55	1036	96
	Day)									
08-Aug-2023	Tuesday	choppy	2	1						
09-Aug-2023	Wednesday	choppy	1					5	1035	10
10-Aug-2023	Thursday	calm/rippled	1							
11-Aug-2023	Friday		0							
12-Aug-2023	Saturday	calm/rippled	6	1						
13-Aug-2023	Sunday	calm/rippled	4	2	1			22	1109	41
14-Aug-2023	Monday		1	1						
15-Aug-2023	Tuesday		1	2				15	1110	27
16-Aug-2023	Wednesday		0							
17-Aug-2023	Thursday	choppy	6	3						
18-Aug-2023	Friday		1	1						
19-Aug-2023	Saturday	calm/rippled	13	3				30	1142	56
20-Aug-2023	Sunday		0							
21-Aug-2023	Monday	calm/rippled	2							
22-Aug-2023	Tuesday		0					15	1106	28
23-Aug-2023	Wednesday	choppy	2							
24-Aug-2023	Thursday	calm/rippled	3							
25-Aug-2023	Friday		1							
26-Aug-2023	Saturday	calm/rippled	2	1				45	1126	81
27-Aug-2023	Sunday	calm/rippled	12	1						
28-Aug-2023	Monday	choppy	2	1						
29-Aug-2023	Tuesday	calm/rippled	1							
30-Aug-2023	Wednesday		0					25	1049	53
31-Aug-2023	Thursday		0							
01-Sep-2023	Friday	calm/rippled	2					24	1041	51
02-Sep-2023	Saturday	choppy	1	1						
03-Sep-2023	Sunday	calm/rippled	3	2						
	Totals	choppy	33	11				15*		30*
	Totals	calm/rippled	41	10	1			42*		75*

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

\* Average number of boats Observed and Expanded

				CPUE					Ret	ained	
Day Type	Average	Number of	Total	Chinook	Coho	Sockeye	Halibut	Chinook	Coho	Sockeye	Halibut
	Expanded	Days	Estimated								
	Boats		Effort								
Weekend	75	9	675	0.244	0.024			165	16		
Midweek	30	22	660	0.333				220			

## 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
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
2023	August	1315	283	73		0
5-Yr Avg	August	1114	197	14	20	0

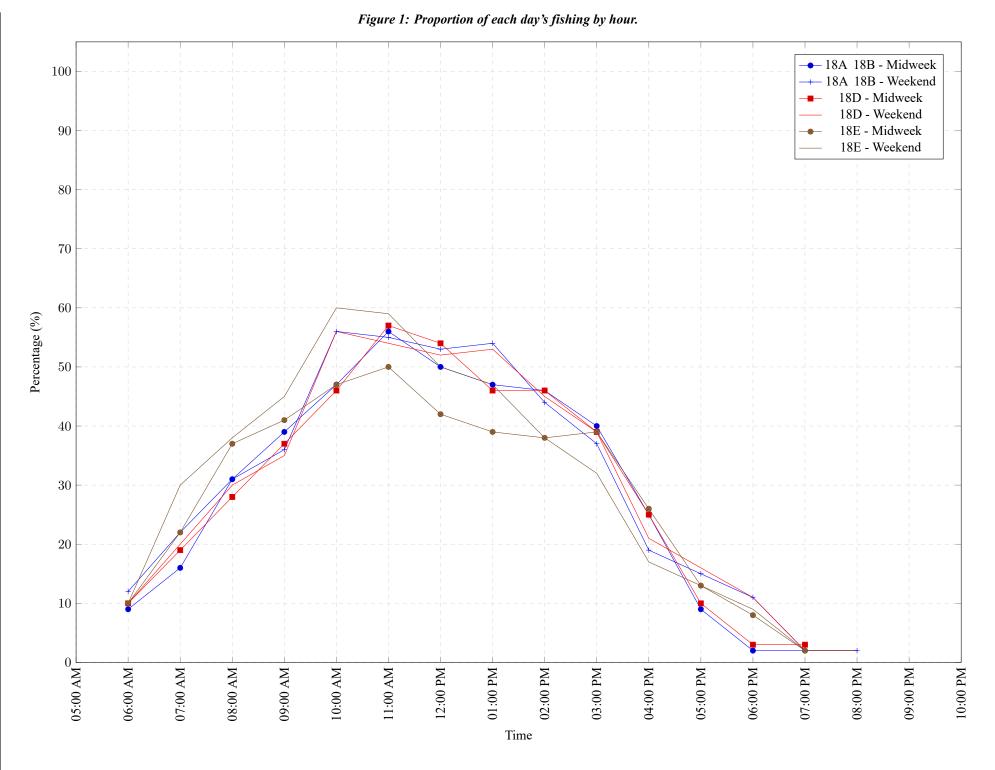
#### Table 5: Sport Head Recovery Review.

Species	Creel Marked Catch	l Mark	Creel Submission Rate	iRec Marked Catch	Mark	iRec Submission Rate	Sport Head Recoveries
Chinook	103	36%	5%	328	39%	2%	5

## Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	60	0%
iRec Anglers	4939	12%

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 18B	Midweek	9%	16%	31%	39%	47%	56%	50%	47%	46%	40%	25%	9%	2%	2%	0%	0%	0%
18A 18B	Weekend	12%	22%	31%	36%	56%	55%	53%	54%	44%	37%	19%	15%	11%	2%	2%	0%	0%
18D	Midweek	10%	19%	28%	37%	46%	57%	54%	46%	46%	39%	25%	10%	3%	3%	0%	0%	0%
18D	Weekend	10%	20%	30%	35%	56%	54%	52%	53%	45%	39%	21%	16%	11%	2%	2%	0%	0%
18E	Midweek	10%	22%	37%	41%	47%	50%	42%	39%	38%	39%	26%	13%	8%	2%	0%	0%	0%
18E	Weekend	10%	30%	38%	45%	60%	59%	50%	47%	38%	32%	17%	13%	9%	2%	2%	0%	0%

 $\boldsymbol{v}$ 

Date	Day Type	Cowichan Bay	Crofton Ramp	Ladysmith	Mill Bay	Sidney (Tulista Park Ramp)
29 Jul 2023	Weekend					
30 Jul 2023	Weekend				choppy	
31 Jul 2023	Midweek					
01 Aug 2023	Midweek					
02 Aug 2023	Midweek	calm/rippled				
03 Aug 2023	Midweek					
04 Aug 2023	Midweek				choppy	
05 Aug 2023	Weekend					choppy
06 Aug 2023	Weekend					
07 Aug 2023	Weekend		choppy			
08 Aug 2023	Midweek		choppy			
09 Aug 2023	Midweek					choppy
10 Aug 2023	Midweek					calm/rippled
11 Aug 2023	Midweek					
12 Aug 2023	Weekend					calm/rippled
13 Aug 2023	Weekend	calm/rippled				
14 Aug 2023	Midweek					
15 Aug 2023	Midweek					
16 Aug 2023	Midweek					
17 Aug 2023	Midweek	choppy				
18 Aug 2023	Midweek					
19 Aug 2023	Weekend	calm/rippled				calm/rippled
20 Aug 2023	Weekend					
21 Aug 2023	Midweek					calm/rippled
22 Aug 2023	Midweek					
23 Aug 2023	Midweek					choppy
24 Aug 2023	Midweek	calm/rippled				
25 Aug 2023	Midweek					
26 Aug 2023	Weekend				calm/rippled	
27 Aug 2023	Weekend	calm/rippled				
28 Aug 2023	Midweek					choppy
29 Aug 2023	Midweek				calm/rippled	
30 Aug 2023	Midweek					
31 Aug 2023	Midweek					
01 Sep 2023	Midweek				calm/rippled	
02 Sep 2023	Weekend			choppy		
03 Sep 2023	Weekend		calm/rippled		calm/rippled	

# Table 8: Daily Fishing Conditions.