## FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

## Area 24 July 2021



## Prepared By: South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023

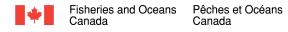




Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

		Fourth	Method	Tofino Ro	esort and M	arina
		Street	Marine			
		Dock	(Fuel			
			Dock)			
Date	Day Type	PM	MD	AM	MD	PM
28 Jun 2021	Midweek					
29 Jun 2021	Midweek					
30 Jun 2021	Midweek				5	
01 Jul 2021	Weekend					
02 Jul 2021	Midweek				17	
03 Jul 2021	Weekend				10	
04 Jul 2021	Weekend			2		
05 Jul 2021	Midweek				8	
06 Jul 2021	Midweek					
07 Jul 2021	Midweek			4		
08 Jul 2021	Midweek					
09 Jul 2021	Midweek					
10 Jul 2021	Weekend					
11 Jul 2021	Weekend					6
12 Jul 2021	Midweek					
13 Jul 2021	Midweek				4	
14 Jul 2021	Midweek					
15 Jul 2021	Midweek		3			
16 Jul 2021	Midweek					2
17 Jul 2021	Weekend					5
18 Jul 2021	Weekend			1		
19 Jul 2021	Midweek					
20 Jul 2021	Midweek				2	
21 Jul 2021	Midweek				4	
22 Jul 2021	Midweek				5	
23 Jul 2021	Midweek					
24 Jul 2021	Weekend				1	
25 Jul 2021	Weekend	1				
26 Jul 2021	Midweek					
27 Jul 2021	Midweek					
28 Jul 2021	Midweek		3			
29 Jul 2021	Midweek				6	
30 Jul 2021	Midweek					6
31 Jul 2021	Weekend				10	
01 Aug 2021	Weekend				2	
02 Aug 2021	Weekend					
03 Aug 2021	Midweek					6

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
28-Jun-2021	Monday		0							
29-Jun-2021	Tuesday		0							
30-Jun-2021	Wednesday	calm/rippled	7	9	5			3	1033	6
01-Jul-2021	Thursday		0							
	(Canada Day)									
02-Jul-2021	Friday	choppy	17	19	8					
03-Jul-2021	Saturday	frequent whitecaps	10	10	4					
04-Jul-2021	Sunday	choppy	2	6	6			0	1221	0
05-Jul-2021	Monday	calm/rippled	8	1	4					
06-Jul-2021	Tuesday		0							
07-Jul-2021	Wednesday	calm/rippled	4		2					
08-Jul-2021	Thursday		0							
09-Jul-2021	Friday		0							
10-Jul-2021	Saturday		0							
11-Jul-2021	Sunday	calm/rippled	6	13	5					
12-Jul-2021	Monday		0							
13-Jul-2021	Tuesday	frequent whitecaps	5	4	1					
14-Jul-2021	Wednesday		1							
15-Jul-2021	Thursday	calm/rippled	3							
16-Jul-2021	Friday	calm/rippled	2							
17-Jul-2021	Saturday	calm/rippled	5	2	5			0	1026	0
18-Jul-2021	Sunday	calm/rippled	1							
19-Jul-2021	Monday		0					1	1019	2
20-Jul-2021	Tuesday	choppy	2							
21-Jul-2021	Wednesday	choppy	4							
22-Jul-2021	Thursday	calm/rippled	6							
23-Jul-2021	Friday		0							
24-Jul-2021	Saturday	frequent	1					3	1148	3
25-Jul-2021	Sunday	whitecaps frequent whitecaps	1							
26-Jul-2021	Monday	F-	0							
27-Jul-2021	Tuesday		0							
28-Jul-2021	Wednesday	choppy	4	3				6	1248	8
29-Jul-2021	Thursday	choppy	6	3						
30-Jul-2021	Friday	choppy	6		1					
31-Jul-2021	Saturday	large swells	10		3					
01-Aug-2021	Sunday	large swells	2		8			6	1430	12
02-Aug-2021	Monday (B.C. Day)	Ü	3							
03-Aug-2021	Tuesday	frequent whitecaps	6		1			1	1130	1
	Totals	choppy	68	30	16			4*		5*
	Totals	choppy	36	31	23			1*		1*

 $<sup>^{\</sup>ast}$  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								
Midweek	5	21	105	0.441	0.235			46	25		
Weekend	1	10	10	0.861	0.639			9	6		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	July	207	281	268		2
2017	July	271	381	120		24
2018	July	1227	375	444		7
2019	July	531	352	1242		45
2020	July	153	133	26		7
2021	July	169	186	109		0
5-Yr Avg	July	478	304	420		17

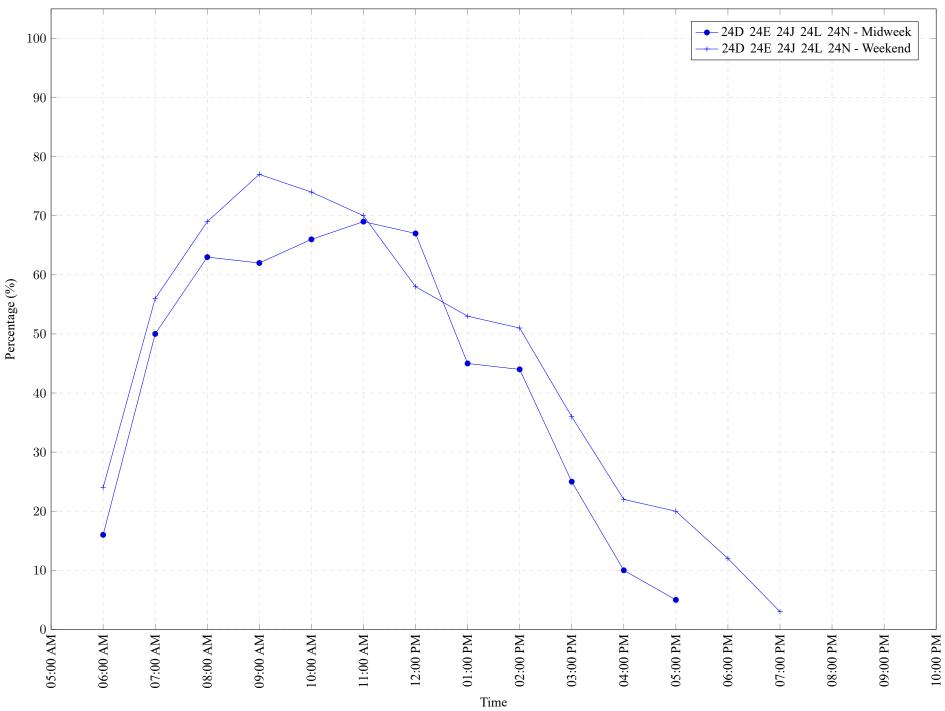
Table 5: Sport Head Recovery Review.

Species	Creel Marked Catch		Creel Submission Rate	iRec Marked Catch		iRec Submission Rate	Sport Head Recoveries
Coho	20	18%	25%	199	50%	3%	5
Chinook	52	30%	44%	253	26%	9%	23

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	104	73%
iRec Anglers	1665	45%

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 AM		10:00 AM					07:00 PM			
24D 24E 24J 24L 24N 24D 24E 24J 24L 24N										0% 0%	0,0	0% 0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Fourth Street	Method	Tofino
		Dock	Marine (Fuel	Resort and
			Dock)	Marina
28 Jun 2021	Midweek			
29 Jun 2021	Midweek			
30 Jun 2021	Midweek			calm/rippled
01 Jul 2021	Weekend			- In the second
02 Jul 2021	Midweek			choppy
03 Jul 2021	Weekend			frequent
				whitecaps
04 Jul 2021	Weekend			choppy
05 Jul 2021	Midweek			calm/rippled
06 Jul 2021	Midweek			11
07 Jul 2021	Midweek			calm/rippled
08 Jul 2021	Midweek			
09 Jul 2021	Midweek			
10 Jul 2021	Weekend			
11 Jul 2021	Weekend			calm/rippled
12 Jul 2021	Midweek			
13 Jul 2021	Midweek			frequent
				whitecaps
14 Jul 2021	Midweek			
15 Jul 2021	Midweek		calm/rippled	
16 Jul 2021	Midweek			calm/rippled
17 Jul 2021	Weekend			calm/rippled
18 Jul 2021	Weekend			calm/rippled
19 Jul 2021	Midweek			
20 Jul 2021	Midweek			choppy
21 Jul 2021	Midweek			choppy
22 Jul 2021	Midweek			calm/rippled
23 Jul 2021	Midweek			
24 Jul 2021	Weekend			frequent
				whitecaps
25 Jul 2021	Weekend	frequent		
		whitecaps		
26 Jul 2021	Midweek			
27 Jul 2021	Midweek			
28 Jul 2021	Midweek		choppy	
29 Jul 2021	Midweek			choppy
30 Jul 2021	Midweek			choppy
31 Jul 2021	Weekend			large swells
01 Aug 2021	Weekend			large swells
02 Aug 2021	Weekend			
03 Aug 2021	Midweek			frequent
				whitecaps