

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 24 August 2021



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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

Date	Day Type	Fourth Street Dock MD	Method Marine (Fuel Dock)		Tofino Resort and Marina		
			AM	MD	AM	MD	PM
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
04 Aug 2021	Midweek						4
05 Aug 2021	Midweek						
06 Aug 2021	Midweek			2			
07 Aug 2021	Weekend	3					
08 Aug 2021	Weekend				2		
09 Aug 2021	Midweek						
10 Aug 2021	Midweek						
11 Aug 2021	Midweek						
12 Aug 2021	Midweek	1					
13 Aug 2021	Midweek					1	
14 Aug 2021	Weekend						
15 Aug 2021	Weekend					2	
16 Aug 2021	Midweek						2
17 Aug 2021	Midweek					1	
18 Aug 2021	Midweek						5
19 Aug 2021	Midweek						
20 Aug 2021	Midweek						
21 Aug 2021	Weekend						
22 Aug 2021	Weekend						6
23 Aug 2021	Midweek	2					
24 Aug 2021	Midweek						
25 Aug 2021	Midweek						
26 Aug 2021	Midweek					8	
27 Aug 2021	Midweek				3		
28 Aug 2021	Weekend						4
29 Aug 2021	Weekend		1				
30 Aug 2021	Midweek						
31 Aug 2021	Midweek					5	
01 Sep 2021	Midweek					2	
02 Sep 2021	Midweek			4			
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	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)		3							
03-Aug-2021	Tuesday	frequent whitecaps	6		1			1	1130	1
04-Aug-2021	Wednesday	choppy	4							
05-Aug-2021	Thursday		0							
06-Aug-2021	Friday	choppy	2							
07-Aug-2021	Saturday	frequent whitecaps	3							
08-Aug-2021	Sunday	large swells	2					4	1013	7
09-Aug-2021	Monday		0							
10-Aug-2021	Tuesday		0							
11-Aug-2021	Wednesday		0					6	1055	8
12-Aug-2021	Thursday	choppy	1							
13-Aug-2021	Friday	choppy	1		1					
14-Aug-2021	Saturday		0					6	1109	10
15-Aug-2021	Sunday	calm/rippled	2							
16-Aug-2021	Monday	calm/rippled	2		2					
17-Aug-2021	Tuesday	frequent whitecaps	2		3			9	1218	16
18-Aug-2021	Wednesday	large swells	5		13					
19-Aug-2021	Thursday		0							
20-Aug-2021	Friday		0							
21-Aug-2021	Saturday		0							
22-Aug-2021	Sunday	large swells	6		3			12	1107	20
23-Aug-2021	Monday	choppy	2		1					
24-Aug-2021	Tuesday		1				1	6	1053	8
25-Aug-2021	Wednesday		0							
26-Aug-2021	Thursday	choppy	8		7					
27-Aug-2021	Friday	choppy	3							
28-Aug-2021	Saturday	calm/rippled	4		3					
29-Aug-2021	Sunday	calm/rippled	1		2					
30-Aug-2021	Monday		0							
31-Aug-2021	Tuesday	choppy	5		1			9	1110	12
01-Sep-2021	Wednesday	calm/rippled	2		5					
02-Sep-2021	Thursday	choppy	4		3			2	1052	3
03-Sep-2021	Friday		0							
	Totals	choppy	42		29		1	6*		9*
	Totals	frequent whitecaps	23		16			7*		12*

* 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
Weekend	12	10	120		0.696				84		
Midweek	9	21	189		0.69		0.024		130		5

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	August	58	27	47		13
2017	August	238	65	144		12
2018	August	168	3	442		18
2019	August	178	3	490	2	0
2020	August	123	23	116		3
2021	August	337	0	470		1
5-Yr Avg	August	153	24	248	2	9

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
Coho	18	4%	50%	92	25%	10%	9
Chinook	0	0%		265	19%	3%	7

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	64	73%
iRec Anglers	1728	67%

Figure 1: Proportion of each day's fishing by hour.

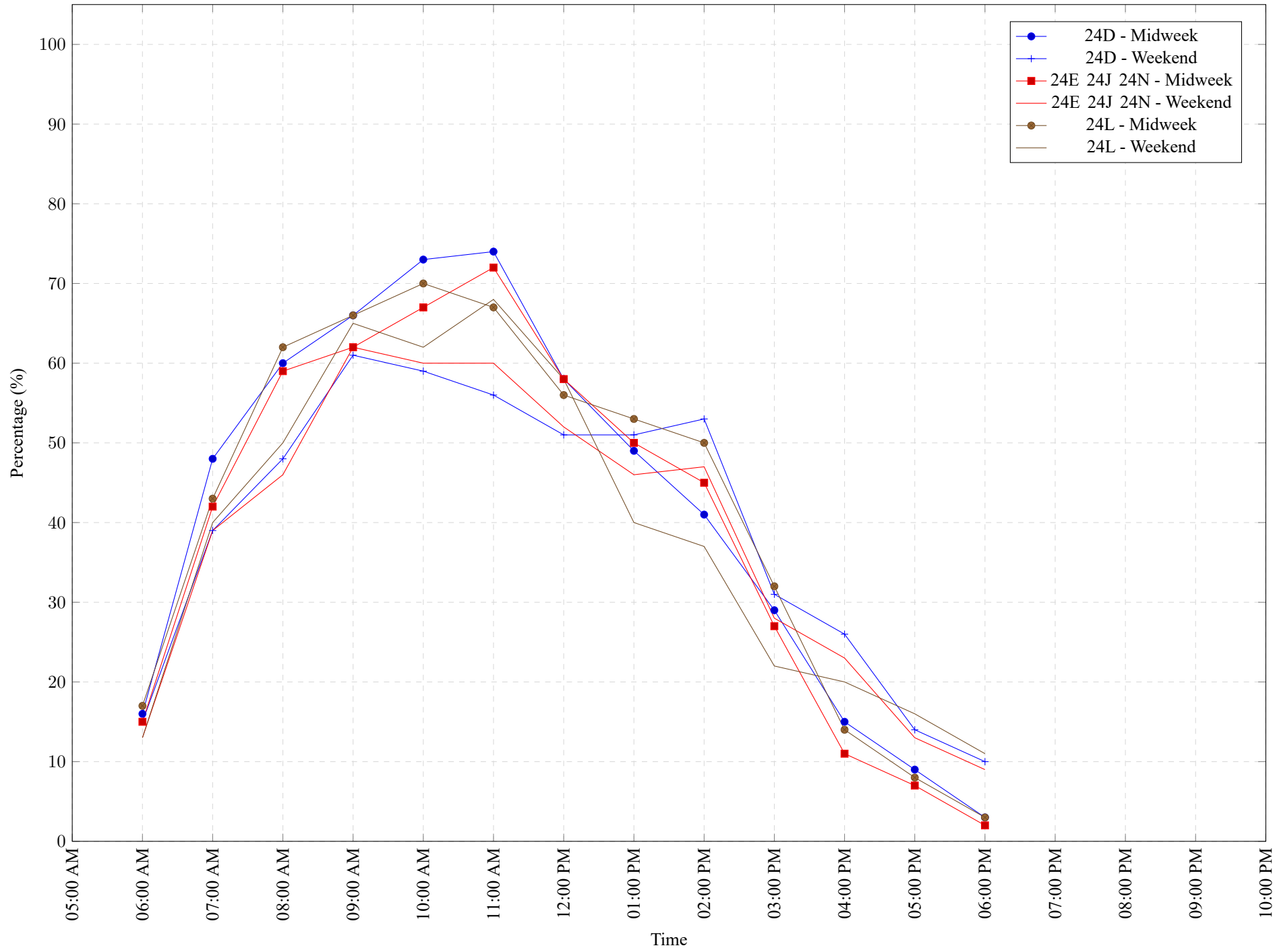


Table 7: Proportion of each day's fishing by hour.

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
24D		Midweek	16%	48%	60%	66%	73%	74%	58%	49%	41%	29%	15%	9%	3%	0%	0%	0%	0%
24D		Weekend	15%	39%	48%	61%	59%	56%	51%	51%	53%	31%	26%	14%	10%	0%	0%	0%	0%
24E	24J 24N	Midweek	15%	42%	59%	62%	67%	72%	58%	50%	45%	27%	11%	7%	2%	0%	0%	0%	0%
24E	24J 24N	Weekend	13%	39%	46%	62%	60%	60%	52%	46%	47%	28%	23%	13%	9%	0%	0%	0%	0%
24L		Midweek	17%	43%	62%	66%	70%	67%	56%	53%	50%	32%	14%	8%	3%	0%	0%	0%	0%
24L		Weekend	13%	40%	50%	65%	62%	68%	58%	40%	37%	22%	20%	16%	11%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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