

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 124 September 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	Island West MD	Method Marine (Fuel Dock)		Tofino Resort and Marina		
			AM	MD	AM	MD	PM
29 Aug 2021	Weekend		3				
30 Aug 2021	Midweek						
31 Aug 2021	Midweek					19	
01 Sep 2021	Midweek					13	
02 Sep 2021	Midweek			3			
03 Sep 2021	Midweek	1					
04 Sep 2021	Weekend					5	
05 Sep 2021	Weekend						
06 Sep 2021	Weekend						
07 Sep 2021	Midweek						14
08 Sep 2021	Midweek				2		
09 Sep 2021	Midweek						
10 Sep 2021	Midweek						
11 Sep 2021	Weekend					7	
12 Sep 2021	Weekend						
13 Sep 2021	Midweek						
14 Sep 2021	Midweek						
15 Sep 2021	Midweek						
16 Sep 2021	Midweek						
17 Sep 2021	Midweek						
18 Sep 2021	Weekend						
19 Sep 2021	Weekend						
20 Sep 2021	Midweek						
21 Sep 2021	Midweek						
22 Sep 2021	Midweek						
23 Sep 2021	Midweek						
24 Sep 2021	Midweek			3			
25 Sep 2021	Weekend					13	
26 Sep 2021	Weekend						
27 Sep 2021	Midweek						
28 Sep 2021	Midweek						
29 Sep 2021	Midweek						
30 Sep 2021	Midweek						
01 Oct 2021	Midweek						
02 Oct 2021	Weekend						
03 Oct 2021	Weekend						

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-Aug-2021	Sunday	calm/rippled	3	1	1					
30-Aug-2021	Monday		3	5						
31-Aug-2021	Tuesday	choppy	19	16	10		5	7	1044	10
01-Sep-2021	Wednesday	calm/rippled	13	2	1		2			
02-Sep-2021	Thursday	choppy	3	1	1			19	1026	27
03-Sep-2021	Friday	calm/rippled	1				3			
04-Sep-2021	Saturday	choppy	5	1	1					
05-Sep-2021	Sunday		0							
06-Sep-2021	Monday (Labour Day)		0					9	1010	12
07-Sep-2021	Tuesday	choppy	14	12			4			
08-Sep-2021	Wednesday	choppy	2	6						
09-Sep-2021	Thursday		0							
10-Sep-2021	Friday		0							
11-Sep-2021	Saturday	choppy	7	2			1			
12-Sep-2021	Sunday		0					3	1044	3
13-Sep-2021	Monday		0							
14-Sep-2021	Tuesday		0							
15-Sep-2021	Wednesday		0					0	1122	0
16-Sep-2021	Thursday		0							
17-Sep-2021	Friday		0							
18-Sep-2021	Saturday		0					0	1019	0
19-Sep-2021	Sunday		0							
20-Sep-2021	Monday		0							
21-Sep-2021	Tuesday		0					2	1056	3
22-Sep-2021	Wednesday		0							
23-Sep-2021	Thursday		0							
24-Sep-2021	Friday	calm/rippled	3	3			2			
25-Sep-2021	Saturday	calm/rippled	13	4			2			
26-Sep-2021	Sunday		0							
27-Sep-2021	Monday		0							
28-Sep-2021	Tuesday		0					0	1104	0
29-Sep-2021	Wednesday		0							
30-Sep-2021	Thursday		0							
01-Oct-2021	Friday		0							
02-Oct-2021	Saturday		0							
03-Oct-2021	Sunday		0							
	Totals	choppy	36	24	2		11	5*		8*
	Totals	choppy	25	7	1		3	4*		5*

* 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	8	21	168	0.667	0.056		0.306	112	9		51
Weekend	5	9	45	0.28	0.04		0.12	13	2		5

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	September	182	211	156		20
2017	September	61	147			
2018	September	217	120	71		101
2019	September	61	6			6
2020	September	211	40	5		252
2021	September	189	104	6		184
5-Yr Avg	September	146	105	77		95

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	44%	20%	17	32%	53%	9

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	61	74%
iRec Anglers	384	78%

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

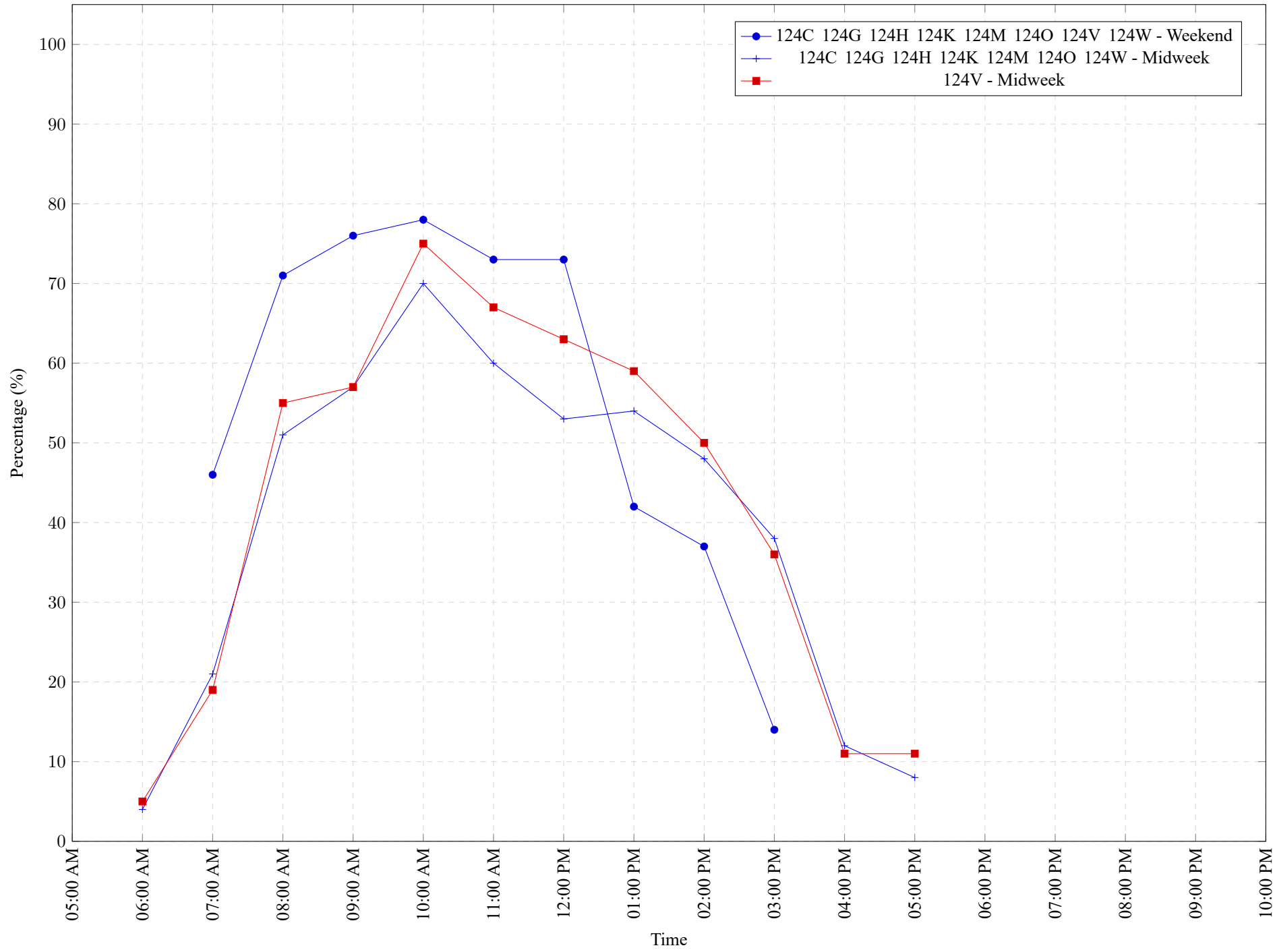


Table 7: Proportion of each day's fishing by hour.

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
124C	124G	124H	124K	124M	124O	124V	124W	Weekend	0%	46%	71%	76%	78%	73%	73%	42%	37%	14%	0%	0%	0%	0%	0%	0%	0%
124C	124G	124H	124K	124M	124O	124W		Midweek	4%	21%	51%	57%	70%	60%	53%	54%	48%	38%	12%	8%	0%	0%	0%	0%	0%
				124V				Midweek	5%	19%	55%	57%	75%	67%	63%	59%	50%	36%	11%	11%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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