

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 124 September 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 13th January, 2024



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

Date	Day Type	Method Marine (Fuel Dock)		Tofino Resort and Marina		Ucluelet Gov Dock	
		MD	PM	MD	PM	MD	PM
29 Aug 2023	Midweek						
30 Aug 2023	Midweek	2				2	
31 Aug 2023	Midweek			11			1
01 Sep 2023	Midweek				10		
02 Sep 2023	Weekend			12			
03 Sep 2023	Weekend		2				
04 Sep 2023	Weekend				7		
05 Sep 2023	Midweek						
06 Sep 2023	Midweek						
07 Sep 2023	Midweek						
08 Sep 2023	Midweek			11			
09 Sep 2023	Weekend						
10 Sep 2023	Weekend						
11 Sep 2023	Midweek						
12 Sep 2023	Midweek						
13 Sep 2023	Midweek				7		
14 Sep 2023	Midweek			9			
15 Sep 2023	Midweek						
16 Sep 2023	Weekend			4			
17 Sep 2023	Weekend						
18 Sep 2023	Midweek						
19 Sep 2023	Midweek						
20 Sep 2023	Midweek						
21 Sep 2023	Midweek						
22 Sep 2023	Midweek				8		
23 Sep 2023	Weekend						
24 Sep 2023	Weekend						
25 Sep 2023	Midweek						
26 Sep 2023	Midweek						
27 Sep 2023	Midweek						
28 Sep 2023	Midweek						
29 Sep 2023	Midweek						
30 Sep 2023	Weekend						
01 Oct 2023	Weekend						
02 Oct 2023	Midweek						
03 Oct 2023	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-Aug-2023	Tuesday		0					3	1120	6
30-Aug-2023	Wednesday	calm/rippled	4	3			2			
31-Aug-2023	Thursday	choppy	12	20	2		10			
01-Sep-2023	Friday	choppy	10	7	6		3	20	1021	37
02-Sep-2023	Saturday	choppy	12	12	4		8	13	1019	21
03-Sep-2023	Sunday	choppy	2	3	3					
04-Sep-2023	Monday (Labour Day)	choppy	7	4			1			
05-Sep-2023	Tuesday		0							
06-Sep-2023	Wednesday		0							
07-Sep-2023	Thursday		0					7	1053	13
08-Sep-2023	Friday	calm/rippled	11	3						
09-Sep-2023	Saturday		3				1	2	0754	12
10-Sep-2023	Sunday		0							
11-Sep-2023	Monday		0							
12-Sep-2023	Tuesday		0					1	1227	2
13-Sep-2023	Wednesday	calm/rippled	7				8			
14-Sep-2023	Thursday	calm/rippled	10				5			
15-Sep-2023	Friday		0					3	1016	5
16-Sep-2023	Saturday	choppy	4							
17-Sep-2023	Sunday		0							
18-Sep-2023	Monday		0							
19-Sep-2023	Tuesday		0							
20-Sep-2023	Wednesday		0					2	1106	4
21-Sep-2023	Thursday		0							
22-Sep-2023	Friday	calm/rippled	8		1		2			
23-Sep-2023	Saturday		0							
24-Sep-2023	Sunday		0					0	1106	0
25-Sep-2023	Monday		0							
26-Sep-2023	Tuesday		0							
27-Sep-2023	Wednesday		0							
28-Sep-2023	Thursday		0					1	1121	2
29-Sep-2023	Friday		0							
30-Sep-2023	Saturday		0					2	1111	4
01-Oct-2023	Sunday		0							
02-Oct-2023	Monday		0							
03-Oct-2023	Tuesday		0							
	Totals	calm/rippled	46	10	7		18	6*		11*
	Totals	choppy	28	19	7		10	4*		9*

* 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	11	20	220	0.217	0.152		0.391	48	33		86
Weekend	9	10	90	0.679	0.25		0.357	61	23		32

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	September	217	120	71		101
2019	September	61	6			6
2020	September	211	40	5		252
2021	September	189	104	6		184
2022	September	249	165	41		115
2023	September	345	161	54		114
5-Yr Avg	September	185	87	31		132

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	14	9%	14%	26	23%	8%	2

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	72	86%
iRec Anglers	779	33%

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

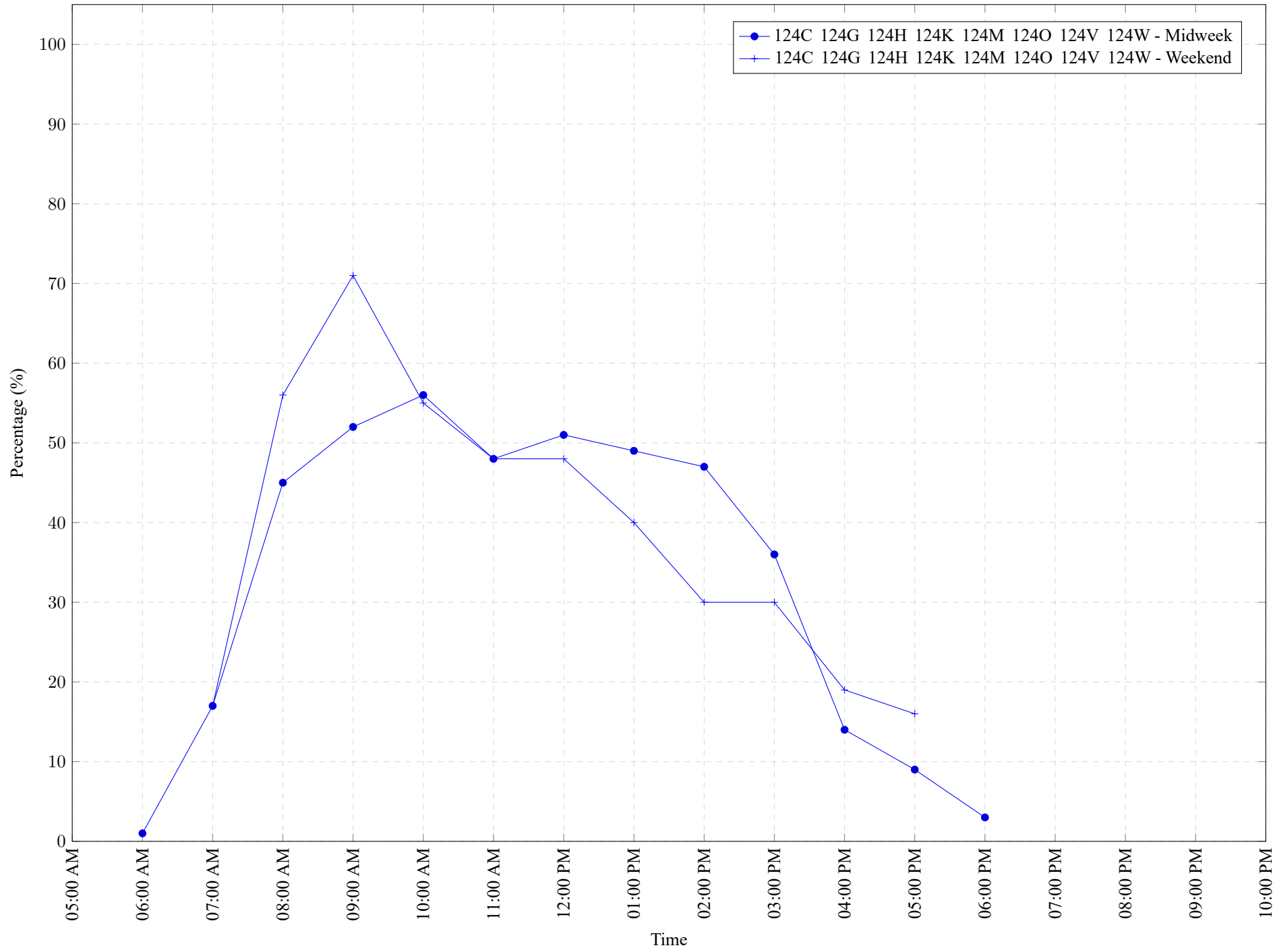


Table 7: Proportion of each day’s fishing by hour.

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	Midweek	1%	17%	45%	52%	56%	48%	51%	49%	47%	36%	14%	9%	3%	0%	0%	0%	0%
124C	124G	124H	124K	124M	124O	124V	124W	Weekend	0%	17%	56%	71%	55%	48%	48%	40%	30%	30%	19%	16%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Method Marine (Fuel Dock)	Tofino Resort and Marina	Ucluelet Gov Dock
29 Aug 2023	Midweek			
30 Aug 2023	Midweek	calm/rippled		calm/rippled
31 Aug 2023	Midweek		choppy	choppy
01 Sep 2023	Midweek		choppy	
02 Sep 2023	Weekend		choppy	
03 Sep 2023	Weekend	choppy		
04 Sep 2023	Weekend		choppy	
05 Sep 2023	Midweek			
06 Sep 2023	Midweek			
07 Sep 2023	Midweek			
08 Sep 2023	Midweek		calm/rippled	
09 Sep 2023	Weekend			
10 Sep 2023	Weekend			
11 Sep 2023	Midweek			
12 Sep 2023	Midweek			
13 Sep 2023	Midweek		calm/rippled	
14 Sep 2023	Midweek		calm/rippled	
15 Sep 2023	Midweek			
16 Sep 2023	Weekend		choppy	
17 Sep 2023	Weekend			
18 Sep 2023	Midweek			
19 Sep 2023	Midweek			
20 Sep 2023	Midweek			
21 Sep 2023	Midweek			
22 Sep 2023	Midweek		calm/rippled	
23 Sep 2023	Weekend			
24 Sep 2023	Weekend			
25 Sep 2023	Midweek			
26 Sep 2023	Midweek			
27 Sep 2023	Midweek			
28 Sep 2023	Midweek			
29 Sep 2023	Midweek			
30 Sep 2023	Weekend			
01 Oct 2023	Weekend			
02 Oct 2023	Midweek			
03 Oct 2023	Midweek			