

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 124 June 2023



Prepared By:

South Coast Salmon Stock Assessment Section

Sunday 14th January, 2024



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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		Island West	Method Marine (Fuel Dock)	Tofino Resort and Marina			Ucluelet Gov Dock
		AM	MD	MD	MD	AM	MD	PM	MD
29 May 2023	Midweek								
30 May 2023	Midweek								
31 May 2023	Midweek								
01 Jun 2023	Midweek								
02 Jun 2023	Midweek								1
03 Jun 2023	Weekend				1		9		
04 Jun 2023	Weekend								
05 Jun 2023	Midweek					1			
06 Jun 2023	Midweek								
07 Jun 2023	Midweek								
08 Jun 2023	Midweek								
09 Jun 2023	Midweek		1						
10 Jun 2023	Weekend					4			
11 Jun 2023	Weekend						1		
12 Jun 2023	Midweek							2	
13 Jun 2023	Midweek								
14 Jun 2023	Midweek						1		
15 Jun 2023	Midweek								
16 Jun 2023	Midweek							17	
17 Jun 2023	Weekend						7		
18 Jun 2023	Weekend								
19 Jun 2023	Midweek								
20 Jun 2023	Midweek								
21 Jun 2023	Midweek								
22 Jun 2023	Midweek					1			
23 Jun 2023	Midweek								
24 Jun 2023	Weekend							15	
25 Jun 2023	Weekend		6						
26 Jun 2023	Midweek					10			
27 Jun 2023	Midweek	2							
28 Jun 2023	Midweek						11		
29 Jun 2023	Midweek			1			9		
30 Jun 2023	Midweek								
01 Jul 2023	Weekend						5		
02 Jul 2023	Weekend							11	
03 Jul 2023	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-May-2023	Monday		0							
30-May-2023	Tuesday		0							
31-May-2023	Wednesday		0							
01-Jun-2023	Thursday		0					10	1033	20
02-Jun-2023	Friday	calm/rippled	3	3			6			
03-Jun-2023	Saturday	choppy	9	5			7	11	1031	23
04-Jun-2023	Sunday	large swells	2							
05-Jun-2023	Monday	calm/rippled	1	2			1	2	1008	4
06-Jun-2023	Tuesday		0							
07-Jun-2023	Wednesday		0							
08-Jun-2023	Thursday		0							
09-Jun-2023	Friday	choppy	1							
10-Jun-2023	Saturday	calm/rippled	4	2				9	0916	21
11-Jun-2023	Sunday	choppy	1					1	0947	2
12-Jun-2023	Monday	choppy	2							
13-Jun-2023	Tuesday		0							
14-Jun-2023	Wednesday	choppy	1					1	1030	2
15-Jun-2023	Thursday		1	2						
16-Jun-2023	Friday	choppy	21	42			8			
17-Jun-2023	Saturday	frequent whitecaps	8	28				13	1041	27
18-Jun-2023	Sunday		0							
19-Jun-2023	Monday		0							
20-Jun-2023	Tuesday		0							
21-Jun-2023	Wednesday		2	6						
22-Jun-2023	Thursday	calm/rippled	2	12						
23-Jun-2023	Friday		4	5			2	19	1033	38
24-Jun-2023	Saturday	choppy	19	29			8	36	1058	61
25-Jun-2023	Sunday	choppy	8	12			1			
26-Jun-2023	Monday	calm/rippled	13	25			4			
27-Jun-2023	Tuesday	calm/rippled	4	4						
28-Jun-2023	Wednesday	choppy	14	19			1			
29-Jun-2023	Thursday	calm/rippled	11	25			3			
30-Jun-2023	Friday		2	8			1	0	1451	0
01-Jul-2023	Saturday	frequent whitecaps	5	2				14	1034	29
02-Jul-2023	Sunday	calm/rippled	11	24			5			
03-Jul-2023	Monday (Canada Day)		0							
	Totals	calm/rippled	82	153			26	6*		13*
	Totals	choppy	51	76			16	14*		27*

* 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	27	8	216	1.49			0.314	322			68
Midweek	13	22	286	1.866			0.317	534			91

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	June	377	637	53		198
2019	June	580	276	9		439
2020	June	111	29	5		108
2021	June	474	94	34		757
2022	June	483	427	63		519
2023	June	376	517	0		156
5-Yr Avg	June	405	293	33		404

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	183	40%	16%	56	41%	54%	30

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	132	83%
iRec Anglers	357	73%

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

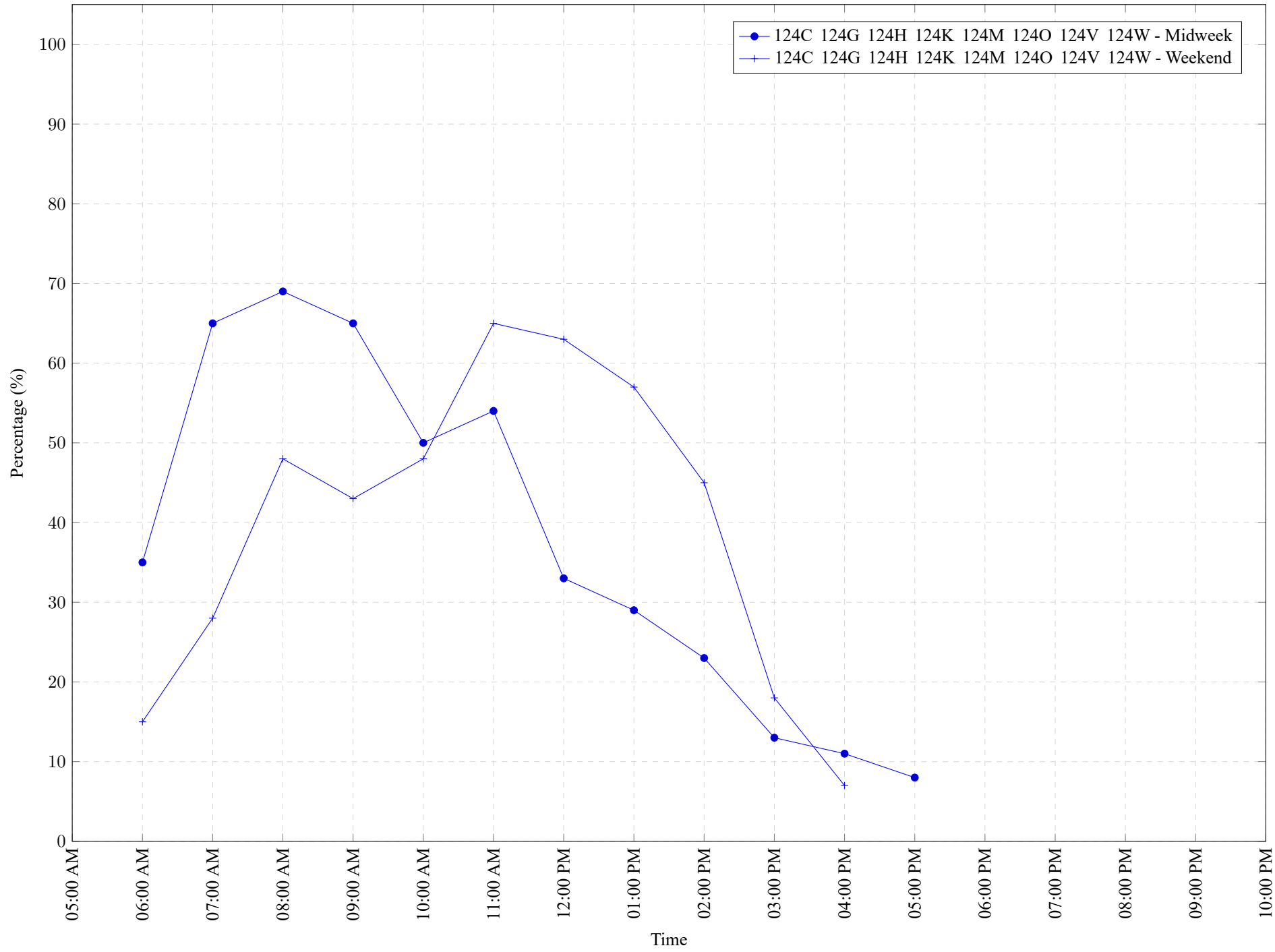


Table 7: Proportion of each day's fishing by hour.

Areas								Day Type	6:00	7:00	8:00	9:00	10:00	11:00	12:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00
									AM	AM	AM	AM	AM	AM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
124C	124G	124H	124K	124M	124O	124V	124W	Midweek	35%	65%	69%	65%	50%	54%	33%	29%	23%	13%	11%	8%	0%	0%	0%	0%	0%
124C	124G	124H	124K	124M	124O	124V	124W	Weekend	15%	28%	48%	43%	48%	65%	63%	57%	45%	18%	7%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Fourth Street Dock	Island West	Method Marine (Fuel Dock)	Tofino Resort and Marina	Ucluelet Gov Dock
29 May 2023	Midweek					
30 May 2023	Midweek					
31 May 2023	Midweek					
01 Jun 2023	Midweek					
02 Jun 2023	Midweek					calm/rippled
03 Jun 2023	Weekend				choppy	
04 Jun 2023	Weekend			large swells		
05 Jun 2023	Midweek				calm/rippled	
06 Jun 2023	Midweek					
07 Jun 2023	Midweek					
08 Jun 2023	Midweek					
09 Jun 2023	Midweek	choppy				
10 Jun 2023	Weekend				calm/rippled	
11 Jun 2023	Weekend				choppy	
12 Jun 2023	Midweek				choppy	
13 Jun 2023	Midweek					
14 Jun 2023	Midweek				choppy	
15 Jun 2023	Midweek					
16 Jun 2023	Midweek				choppy	
17 Jun 2023	Weekend				frequent whitecaps	
18 Jun 2023	Weekend					
19 Jun 2023	Midweek					
20 Jun 2023	Midweek					
21 Jun 2023	Midweek					
22 Jun 2023	Midweek				calm/rippled	
23 Jun 2023	Midweek					
24 Jun 2023	Weekend				choppy	
25 Jun 2023	Weekend	choppy				
26 Jun 2023	Midweek				calm/rippled	
27 Jun 2023	Midweek	calm/rippled				
28 Jun 2023	Midweek				choppy	
29 Jun 2023	Midweek		calm/rippled		calm/rippled	
30 Jun 2023	Midweek					
01 Jul 2023	Weekend				frequent whitecaps	
02 Jul 2023	Weekend				calm/rippled	
03 Jul 2023	Weekend					