

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 124 September 2022



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	Eagle Marine (Fuel Dock) MD	Fourth Street Dock PM	Island West MD	Method Marine (Fuel Dock) PM	Tofino Resort and Marina			Ucluelet Gov Dock MD
						AM	MD	PM	
29 Aug 2022	Midweek			2					2
30 Aug 2022	Midweek								
31 Aug 2022	Midweek						14		
01 Sep 2022	Midweek	1					11		
02 Sep 2022	Midweek		2	1					
03 Sep 2022	Weekend						6		
04 Sep 2022	Weekend							7	
05 Sep 2022	Weekend					2			
06 Sep 2022	Midweek								
07 Sep 2022	Midweek								
08 Sep 2022	Midweek								
09 Sep 2022	Midweek								
10 Sep 2022	Weekend								
11 Sep 2022	Weekend								
12 Sep 2022	Midweek								
13 Sep 2022	Midweek	1							
14 Sep 2022	Midweek								
15 Sep 2022	Midweek								
16 Sep 2022	Midweek				3				
17 Sep 2022	Weekend								
18 Sep 2022	Weekend						8		
19 Sep 2022	Midweek								
20 Sep 2022	Midweek								
21 Sep 2022	Midweek								
22 Sep 2022	Midweek								
23 Sep 2022	Midweek				1				
24 Sep 2022	Weekend						4		
25 Sep 2022	Weekend								
26 Sep 2022	Midweek								
27 Sep 2022	Midweek								
28 Sep 2022	Midweek								
29 Sep 2022	Midweek								
30 Sep 2022	Midweek								
01 Oct 2022	Weekend								
02 Oct 2022	Weekend								
03 Oct 2022	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-2022	Monday	choppy	2					11	1015	16
30-Aug-2022	Tuesday	choppy	2				6			
31-Aug-2022	Wednesday	choppy	14	13			3			
01-Sep-2022	Thursday	choppy	12	5			5			
02-Sep-2022	Friday	choppy	3				5			
03-Sep-2022	Saturday	frequent whitecaps	6	2			1			
04-Sep-2022	Sunday	choppy	7	8						
05-Sep-2022	Monday (Labour Day)	choppy	2	1				8	1202	14
06-Sep-2022	Tuesday		0					11	1026	15
07-Sep-2022	Wednesday		0							
08-Sep-2022	Thursday		0							
09-Sep-2022	Friday		0							
10-Sep-2022	Saturday		0					10	1021	14
11-Sep-2022	Sunday		0							
12-Sep-2022	Monday		0							
13-Sep-2022	Tuesday	calm/rippled	1							
14-Sep-2022	Wednesday		0							
15-Sep-2022	Thursday		0					1	1034	1
16-Sep-2022	Friday	choppy	3	4	1					
17-Sep-2022	Saturday		0					6	1028	8
18-Sep-2022	Sunday	choppy	8	13	4		2			
19-Sep-2022	Monday		0							
20-Sep-2022	Tuesday		0					1	1033	1
21-Sep-2022	Wednesday		0							
22-Sep-2022	Thursday		0							
23-Sep-2022	Friday	choppy	1	3	2					
24-Sep-2022	Saturday	calm/rippled	4	7	2		3			
25-Sep-2022	Sunday		0					1	1021	1
26-Sep-2022	Monday		0							
27-Sep-2022	Tuesday		0							
28-Sep-2022	Wednesday		0							
29-Sep-2022	Thursday		0							
30-Sep-2022	Friday		0							
01-Oct-2022	Saturday		0							
02-Oct-2022	Sunday		0							
03-Oct-2022	Monday		0							
	Totals	choppy	20	12	3		10	4*		6*
	Totals	choppy	27	31	6		6	6*		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
Weekend	9	9	81	1.148	0.222		0.222	93	18		18
Midweek	6	21	126	0.6	0.15		0.5	76	19		63

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2022	September	249	165	41		115
5-Yr Avg	September	148	83	27		136

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	36	22%	8%	2	4%	150%	3

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	47	57%
iRec Anglers	812	38%

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

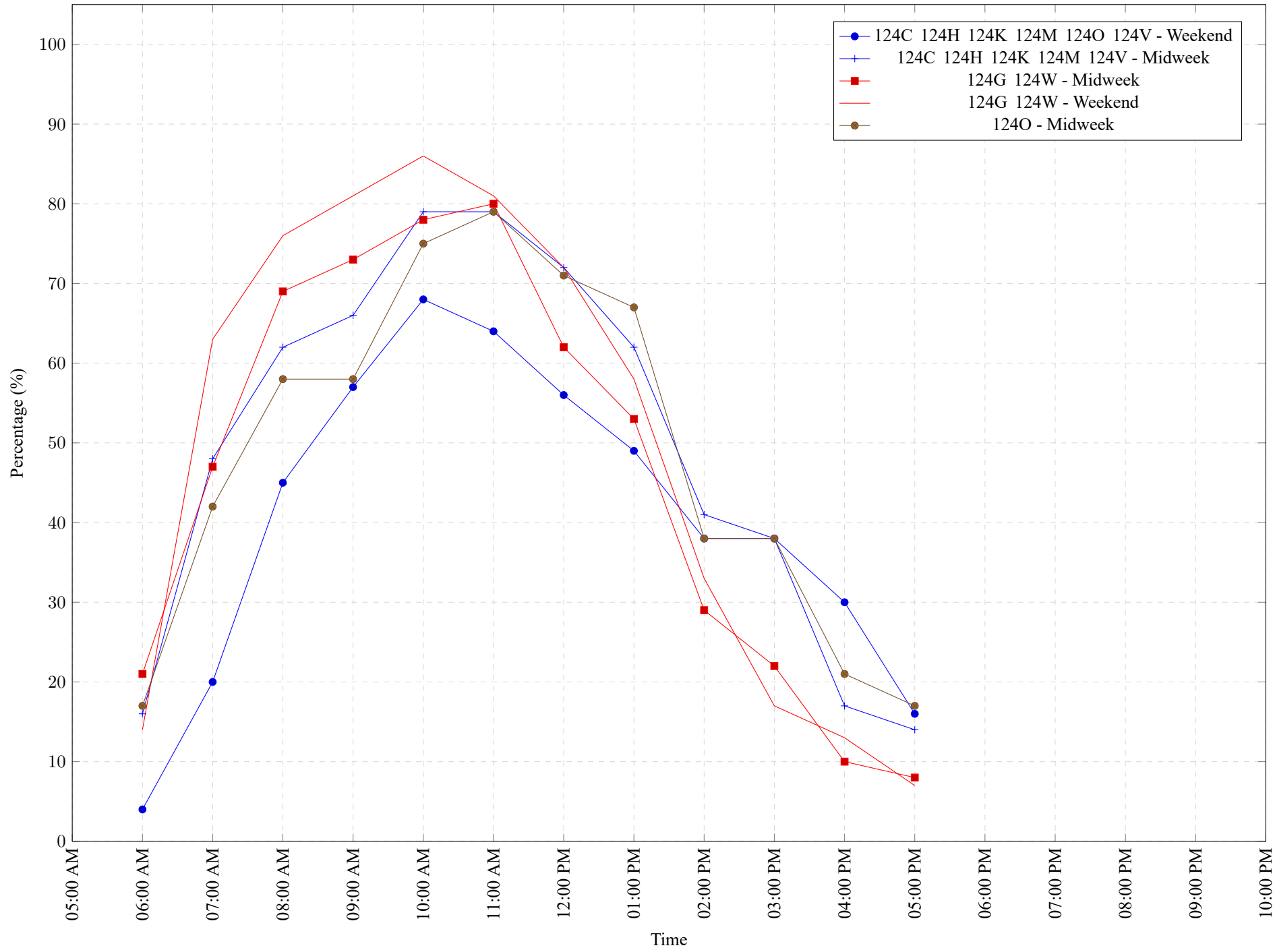


Table 7: Proportion of each day's fishing by hour.

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	124H	124K	124M	124O	124V	Weekend	4%	20%	45%	57%	68%	64%	56%	49%	38%	38%	30%	16%	0%	0%	0%	0%	0%
124C	124H	124K	124M	124V		Midweek	16%	48%	62%	66%	79%	79%	72%	62%	41%	38%	17%	14%	0%	0%	0%	0%	0%
124G	124W					Midweek	21%	47%	69%	73%	78%	80%	62%	53%	29%	22%	10%	8%	0%	0%	0%	0%	0%
124G	124W					Weekend	14%	63%	76%	81%	86%	81%	72%	58%	33%	17%	13%	7%	0%	0%	0%	0%	0%
124O						Midweek	17%	42%	58%	58%	75%	79%	71%	67%	38%	38%	21%	17%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Eagle Marine (Fuel Dock)	Fourth Street Dock	Island West	Method Marine (Fuel Dock)	Tofino Resort and Marina	Ucluelet Gov Dock
29 Aug 2022	Midweek						choppy
30 Aug 2022	Midweek			choppy			
31 Aug 2022	Midweek					choppy	
01 Sep 2022	Midweek	calm/rippled				choppy	
02 Sep 2022	Midweek		choppy	calm/rippled			
03 Sep 2022	Weekend					frequent whitecaps	
04 Sep 2022	Weekend					choppy	
05 Sep 2022	Weekend					choppy	
06 Sep 2022	Midweek						
07 Sep 2022	Midweek						
08 Sep 2022	Midweek						
09 Sep 2022	Midweek						
10 Sep 2022	Weekend						
11 Sep 2022	Weekend						
12 Sep 2022	Midweek						
13 Sep 2022	Midweek	calm/rippled					
14 Sep 2022	Midweek						
15 Sep 2022	Midweek						
16 Sep 2022	Midweek				choppy		
17 Sep 2022	Weekend						
18 Sep 2022	Weekend					choppy	
19 Sep 2022	Midweek						
20 Sep 2022	Midweek						
21 Sep 2022	Midweek						
22 Sep 2022	Midweek						
23 Sep 2022	Midweek				choppy		
24 Sep 2022	Weekend					calm/rippled	
25 Sep 2022	Weekend						
26 Sep 2022	Midweek						
27 Sep 2022	Midweek						
28 Sep 2022	Midweek						
29 Sep 2022	Midweek						
30 Sep 2022	Midweek						
01 Oct 2022	Weekend						
02 Oct 2022	Weekend						
03 Oct 2022	Midweek						