

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 124 August 2019



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

Date	Day Type	Eagle Marine (Fuel Dock)		Fourth Street Dock PM	Island West MD	Method Marine			Tofino Resort and Marina		
		MD	PM			AM	MD	PM	AM	MD	PM
29 Jul 2019	Midweek										
30 Jul 2019	Midweek										
31 Jul 2019	Midweek										
01 Aug 2019	Midweek				1	1					
02 Aug 2019	Midweek										
03 Aug 2019	Weekend										
04 Aug 2019	Weekend									2	
05 Aug 2019	Weekend		1	1							
06 Aug 2019	Midweek										
07 Aug 2019	Midweek									7	
08 Aug 2019	Midweek									7	
09 Aug 2019	Midweek							3			
10 Aug 2019	Weekend	1							5		
11 Aug 2019	Weekend	1									
12 Aug 2019	Midweek										
13 Aug 2019	Midweek									3	
14 Aug 2019	Midweek										
15 Aug 2019	Midweek										1
16 Aug 2019	Midweek										
17 Aug 2019	Weekend										
18 Aug 2019	Weekend						2				
19 Aug 2019	Midweek										
20 Aug 2019	Midweek									3	
21 Aug 2019	Midweek										
22 Aug 2019	Midweek										
23 Aug 2019	Midweek								3		
24 Aug 2019	Weekend									5	
25 Aug 2019	Weekend										
26 Aug 2019	Midweek										3
27 Aug 2019	Midweek										
28 Aug 2019	Midweek										
29 Aug 2019	Midweek										
30 Aug 2019	Midweek									2	
31 Aug 2019	Weekend					2					
01 Sep 2019	Weekend										
02 Sep 2019	Weekend										
03 Sep 2019	Midweek									6	

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-2019	Monday		0							
30-Jul-2019	Tuesday		0					1	1015	2
31-Jul-2019	Wednesday		0							
01-Aug-2019	Thursday	calm/rippled	2	2						
02-Aug-2019	Friday		0							
03-Aug-2019	Saturday		0							
04-Aug-2019	Sunday	calm/rippled	2	6				5	1015	7
05-Aug-2019	Monday (B.C. Day)	calm/rippled	2							
06-Aug-2019	Tuesday		0							
07-Aug-2019	Wednesday	calm/rippled	7	13	1		4			
08-Aug-2019	Thursday	calm/rippled	7	3				0	1100	0
09-Aug-2019	Friday	calm/rippled	3	4						
10-Aug-2019	Saturday	calm/rippled	6	1			3	2	1008	3
11-Aug-2019	Sunday	calm/rippled	1							
12-Aug-2019	Monday		0							
13-Aug-2019	Tuesday	calm/rippled	3	1			3			
14-Aug-2019	Wednesday		0							
15-Aug-2019	Thursday	calm/rippled	1							
16-Aug-2019	Friday		0					0	0848	0
17-Aug-2019	Saturday		0							
18-Aug-2019	Sunday	calm/rippled	2	1						
19-Aug-2019	Monday		0					1	1107	1
20-Aug-2019	Tuesday	choppy	3							
21-Aug-2019	Wednesday		0							
22-Aug-2019	Thursday		0							
23-Aug-2019	Friday	calm/rippled	3							
24-Aug-2019	Saturday	calm/rippled	5			1	3	1	1123	1
25-Aug-2019	Sunday		0							
26-Aug-2019	Monday	calm/rippled	3				5			
27-Aug-2019	Tuesday		0							
28-Aug-2019	Wednesday		1				1			
29-Aug-2019	Thursday		0							
30-Aug-2019	Friday	choppy	2	1						
31-Aug-2019	Saturday	choppy	2					4	1033	6
01-Sep-2019	Sunday		0							
02-Sep-2019	Monday (Labour Day)		0							
03-Sep-2019	Tuesday	calm/rippled	6	2						
	Totals	calm/rippled	35	24	1		13	0*		0*
	Totals	calm/rippled	20	8		1	6	3*		4*

* 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	0	21	0	0.6860	0.0290		0.3710	0	0		0
Weekend	4	10	40	0.40		0.05	0.30	16		2	12

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	August	859	2800	1738	24	931
2015	August	937	2609	297		683
2016	August	1750	4838	914		861
2017	August	651	2055	329	60	378
2018	August	244	157	211		76
2019	August	340	65	0		22
5-Yr Avg	August	888	2492	698	42	586

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	0	0%		246	26%	2%	4
Chinook	14	22%	157%	432	38%	5%	22

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	349	96%
iRec Anglers	1874	59%
iRec Responses	68	15%

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

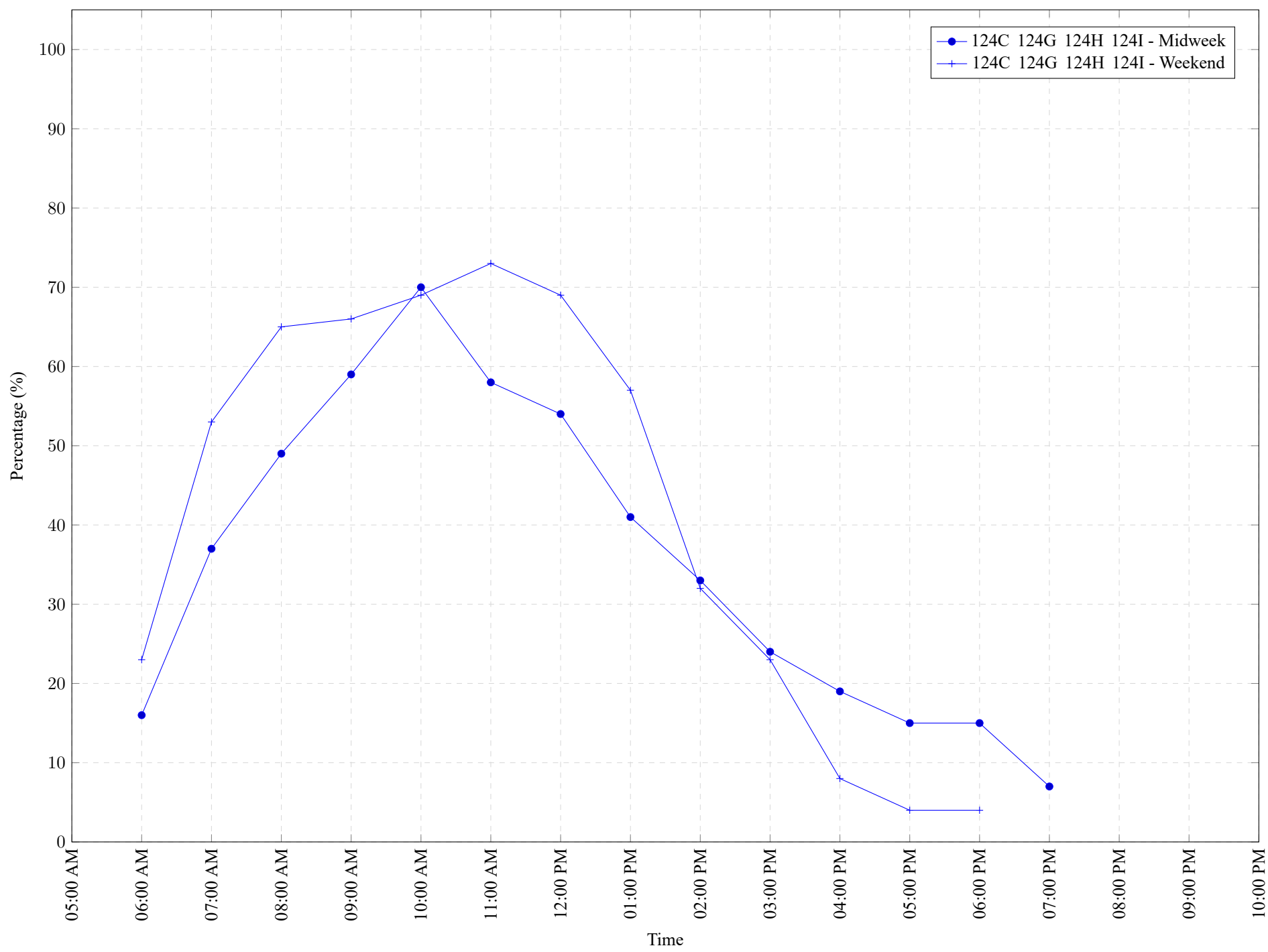


Table 7: Proportion of each day's fishing by hour.

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	124I	Midweek	16%	37%	49%	59%	70%	58%	54%	41%	33%	24%	19%	15%	15%	7%	0%	0%	0%
124C	124G	124H	124I	Weekend	23%	53%	65%	66%	69%	73%	69%	57%	32%	23%	8%	4%	4%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Eagle Marine (Fuel Dock)	Fourth Street Dock	Island West	Method Marine	Tofino Resort and Marina
29 Jul 2019	Midweek					
30 Jul 2019	Midweek					
31 Jul 2019	Midweek					
01 Aug 2019	Midweek			calm/rippled	calm/rippled	
02 Aug 2019	Midweek					
03 Aug 2019	Weekend					
04 Aug 2019	Weekend					calm/rippled
05 Aug 2019	Weekend	calm/rippled	calm/rippled			
06 Aug 2019	Midweek					
07 Aug 2019	Midweek					calm/rippled
08 Aug 2019	Midweek					calm/rippled
09 Aug 2019	Midweek				calm/rippled	
10 Aug 2019	Weekend	calm/rippled				calm/rippled
11 Aug 2019	Weekend	calm/rippled				
12 Aug 2019	Midweek					
13 Aug 2019	Midweek					calm/rippled
14 Aug 2019	Midweek					
15 Aug 2019	Midweek					calm/rippled
16 Aug 2019	Midweek					
17 Aug 2019	Weekend					
18 Aug 2019	Weekend				calm/rippled	
19 Aug 2019	Midweek					
20 Aug 2019	Midweek					choppy
21 Aug 2019	Midweek					
22 Aug 2019	Midweek					
23 Aug 2019	Midweek					calm/rippled
24 Aug 2019	Weekend					calm/rippled
25 Aug 2019	Weekend					
26 Aug 2019	Midweek					calm/rippled
27 Aug 2019	Midweek					
28 Aug 2019	Midweek					
29 Aug 2019	Midweek					
30 Aug 2019	Midweek					choppy
31 Aug 2019	Weekend				choppy	
01 Sep 2019	Weekend					
02 Sep 2019	Weekend					
03 Sep 2019	Midweek					calm/rippled