

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 124 August 2020



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 20th February, 2021



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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			Tofino Resort and Marina			Ucluelet Gov Dock	
		MD	PM	PM	AM	MD	PM	AM	MD	PM	AM	MD
29 Jul 2020	Midweek		2	2								
30 Jul 2020	Midweek											
31 Jul 2020	Midweek		1								2	
01 Aug 2020	Weekend								11			
02 Aug 2020	Weekend						3					
03 Aug 2020	Weekend							3				
04 Aug 2020	Midweek											
05 Aug 2020	Midweek							2				
06 Aug 2020	Midweek								2			
07 Aug 2020	Midweek							5				
08 Aug 2020	Weekend								15			
09 Aug 2020	Weekend											
10 Aug 2020	Midweek								11			
11 Aug 2020	Midweek				1							3
12 Aug 2020	Midweek											
13 Aug 2020	Midweek	3										
14 Aug 2020	Midweek								21			
15 Aug 2020	Weekend								8			
16 Aug 2020	Weekend											
17 Aug 2020	Midweek											
18 Aug 2020	Midweek					2						
19 Aug 2020	Midweek									3		
20 Aug 2020	Midweek											
21 Aug 2020	Midweek											
22 Aug 2020	Weekend											1
23 Aug 2020	Weekend						2					
24 Aug 2020	Midweek											
25 Aug 2020	Midweek									6		
26 Aug 2020	Midweek											
27 Aug 2020	Midweek								4			
28 Aug 2020	Midweek		2									
29 Aug 2020	Weekend											
30 Aug 2020	Weekend											
31 Aug 2020	Midweek											
01 Sep 2020	Midweek											1
02 Sep 2020	Midweek								2			
03 Sep 2020	Midweek											1

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-2020	Wednesday	calm/rippled	4	1	1			11	1022	14
30-Jul-2020	Thursday		0							
31-Jul-2020	Friday	calm/rippled	3	11			2			
01-Aug-2020	Saturday	choppy	11	36	1		4	35	1031	48
02-Aug-2020	Sunday	choppy	3	11			1	4	1046	5
03-Aug-2020	Monday (B.C. Day)	calm/rippled	3	6						
04-Aug-2020	Tuesday		0							
05-Aug-2020	Wednesday	calm/rippled	2	4				7	1026	9
06-Aug-2020	Thursday	frequent whitecaps	2	1						
07-Aug-2020	Friday	large swells	5	5			3			
08-Aug-2020	Saturday	large swells	15	41	3		6			
09-Aug-2020	Sunday		0							
10-Aug-2020	Monday	choppy	11	44	1					
11-Aug-2020	Tuesday	choppy	4	17						
12-Aug-2020	Wednesday		0							
13-Aug-2020	Thursday	calm/rippled	3	9				29	1019	40
14-Aug-2020	Friday	calm/rippled	21	27	1		18			
15-Aug-2020	Saturday	calm/rippled	8	2			6	36	1012	54
16-Aug-2020	Sunday		0							
17-Aug-2020	Monday		0							
18-Aug-2020	Tuesday	calm/rippled	2							
19-Aug-2020	Wednesday	calm/rippled	3				3			
20-Aug-2020	Thursday		0							
21-Aug-2020	Friday		0							
22-Aug-2020	Saturday	choppy	1				2	17	1018	26
23-Aug-2020	Sunday	choppy	2	6	1					
24-Aug-2020	Monday		0							
25-Aug-2020	Tuesday	choppy	6				5			
26-Aug-2020	Wednesday		0							
27-Aug-2020	Thursday	calm/rippled	4				7			
28-Aug-2020	Friday	choppy	2				4	9	1030	12
29-Aug-2020	Saturday		0					0	1052	0
30-Aug-2020	Sunday		0							
31-Aug-2020	Monday		0					10	0937	13
01-Sep-2020	Tuesday	choppy	1				8			
02-Sep-2020	Wednesday	choppy	2							
03-Sep-2020	Thursday	calm/rippled	1				4	11	1119	15
	Totals	choppy	65	107	2		40	14*		19*
	Totals	choppy	43	102	5		19	18*		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
Midweek	19	20	380	1.6460	0.0310		0.6150	625	12		234
Weekend	27	11	297	2.3720	0.1160		0.4420	704	34		131

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2020	August	658	1274	24		261
5-Yr Avg	August	784	1945	350	60	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
Coho	16	70%	6%	272	90%	0%	1
Chinook	258	22%	17%	400	34%	11%	44

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	128	78%
iRec Anglers	2259	41%

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

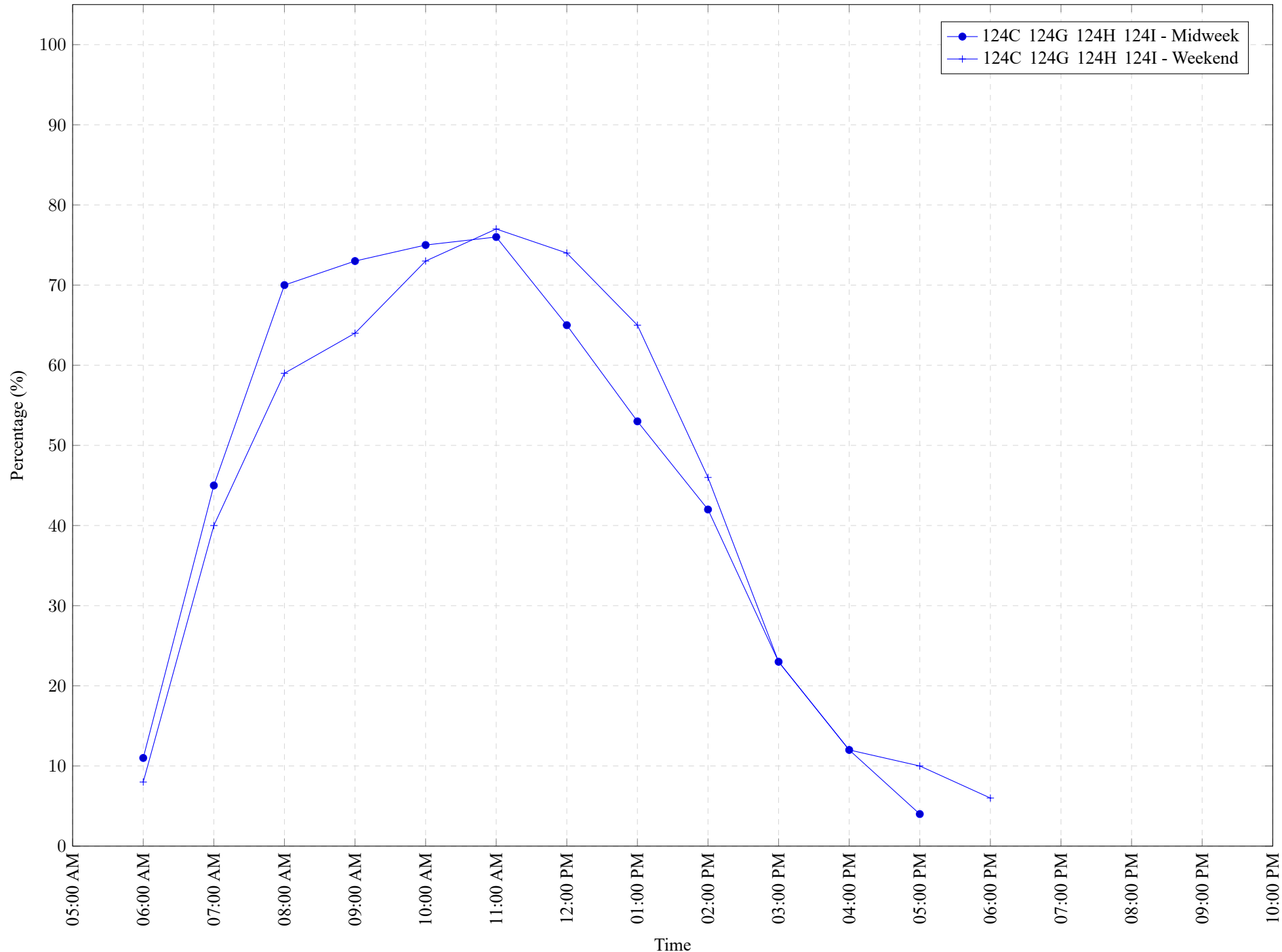


Table 7: Proportion of each day's fishing by hour.

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	11%	45%	70%	73%	75%	76%	65%	53%	42%	23%	12%	4%	0%	0%	0%	0%	0%
124C	124G	124H	124I	Weekend	8%	40%	59%	64%	73%	77%	74%	65%	46%	23%	12%	10%	6%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Fourth Street Dock	Island West	Method Marine	Tofino Resort and Marina	Ucluelet Gov Dock
29 Jul 2020	Midweek	calm/rippled	calm/rippled			
30 Jul 2020	Midweek					
31 Jul 2020	Midweek	calm/rippled				calm/rippled
01 Aug 2020	Weekend				choppy	
02 Aug 2020	Weekend			choppy		
03 Aug 2020	Weekend				calm/rippled	
04 Aug 2020	Midweek					
05 Aug 2020	Midweek				calm/rippled	
06 Aug 2020	Midweek				frequent whitecaps	
07 Aug 2020	Midweek				large swells	
08 Aug 2020	Weekend				large swells	
09 Aug 2020	Weekend					
10 Aug 2020	Midweek				choppy	
11 Aug 2020	Midweek			large swells		choppy
12 Aug 2020	Midweek					
13 Aug 2020	Midweek	calm/rippled				
14 Aug 2020	Midweek				calm/rippled	
15 Aug 2020	Weekend				calm/rippled	
16 Aug 2020	Weekend					
17 Aug 2020	Midweek					
18 Aug 2020	Midweek			calm/rippled		
19 Aug 2020	Midweek				calm/rippled	
20 Aug 2020	Midweek					
21 Aug 2020	Midweek					
22 Aug 2020	Weekend					choppy
23 Aug 2020	Weekend			choppy		
24 Aug 2020	Midweek					
25 Aug 2020	Midweek				choppy	
26 Aug 2020	Midweek					
27 Aug 2020	Midweek				calm/rippled	
28 Aug 2020	Midweek	choppy				
29 Aug 2020	Weekend					
30 Aug 2020	Weekend					
31 Aug 2020	Midweek					
01 Sep 2020	Midweek					choppy
02 Sep 2020	Midweek				choppy	
03 Sep 2020	Midweek					calm/rippled