

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 124 July 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 PM	Method Marine		Tofino Resort and Marina			Ucluelet Gov Dock	
		AM	PM		MD	PM	AM	MD	PM	AM	MD
28 Jun 2020	Weekend										
29 Jun 2020	Midweek										
30 Jun 2020	Midweek										
01 Jul 2020	Weekend										
02 Jul 2020	Midweek										
03 Jul 2020	Midweek						2				
04 Jul 2020	Weekend							5			
05 Jul 2020	Weekend				3						
06 Jul 2020	Midweek										
07 Jul 2020	Midweek							6			
08 Jul 2020	Midweek										
09 Jul 2020	Midweek								6		
10 Jul 2020	Midweek										
11 Jul 2020	Weekend										
12 Jul 2020	Weekend							6			
13 Jul 2020	Midweek										
14 Jul 2020	Midweek										
15 Jul 2020	Midweek							1			
16 Jul 2020	Midweek							4			1
17 Jul 2020	Midweek										
18 Jul 2020	Weekend										
19 Jul 2020	Weekend	1									
20 Jul 2020	Midweek										
21 Jul 2020	Midweek				1						
22 Jul 2020	Midweek										
23 Jul 2020	Midweek							8			
24 Jul 2020	Midweek										
25 Jul 2020	Weekend								8		
26 Jul 2020	Weekend										
27 Jul 2020	Midweek										
28 Jul 2020	Midweek							4			
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				

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
28-Jun-2020	Sunday		0							
29-Jun-2020	Monday		0							
30-Jun-2020	Tuesday		0					0	1005	0
01-Jul-2020	Wednesday (Canada Day)		0							
02-Jul-2020	Thursday		0							
03-Jul-2020	Friday	choppy	2							
04-Jul-2020	Saturday	calm/rippled	5				10	3	1016	6
05-Jul-2020	Sunday	calm/rippled	3				6			
06-Jul-2020	Monday		0							
07-Jul-2020	Tuesday	calm/rippled	6				10	1	1013	2
08-Jul-2020	Wednesday		0							
09-Jul-2020	Thursday	calm/rippled	6	1	1		7			
10-Jul-2020	Friday		0							
11-Jul-2020	Saturday		0					0	1014	0
12-Jul-2020	Sunday	calm/rippled	6				7			
13-Jul-2020	Monday		0							
14-Jul-2020	Tuesday		0							
15-Jul-2020	Wednesday	frequent whitecaps	1				2			
16-Jul-2020	Thursday	calm/rippled	5	1			1			
17-Jul-2020	Friday		0					5	1013	10
18-Jul-2020	Saturday		0							
19-Jul-2020	Sunday	calm/rippled	1							
20-Jul-2020	Monday		0					9	1013	18
21-Jul-2020	Tuesday	frequent whitecaps	1	2						
22-Jul-2020	Wednesday		0							
23-Jul-2020	Thursday	calm/rippled	8	9			6			
24-Jul-2020	Friday		0							
25-Jul-2020	Saturday	calm/rippled	8				3			
26-Jul-2020	Sunday		0					13	1003	22
27-Jul-2020	Monday		0							
28-Jul-2020	Tuesday	calm/rippled	4	1						
29-Jul-2020	Wednesday	calm/rippled	4	1	1			11	1022	19
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	52
02-Aug-2020	Sunday	choppy	3	11			1	4	1046	6
03-Aug-2020	Monday (B.C. Day)	calm/rippled	3	6						
	Totals	choppy	40	26	2		28	7*		12*
	Totals	calm/rippled	23				26	5*		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	12	22	264	0.65	0.05		0.70	172	13		185
Weekend	9	9	81				1.13				92

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	July	964	2664	207	6	709
2016	July	882	3417	392		463
2017	July	881	1900	269		408
2018	July	1918	2218	704		751
2019	July	149	16	1		126
2020	July	331	320	24	0	363
5-Yr Avg	July	959	2043	315	6	491

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	124	42%	23%	342	50%	8%	28

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	74	82%
iRec Anglers	1022	80%

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

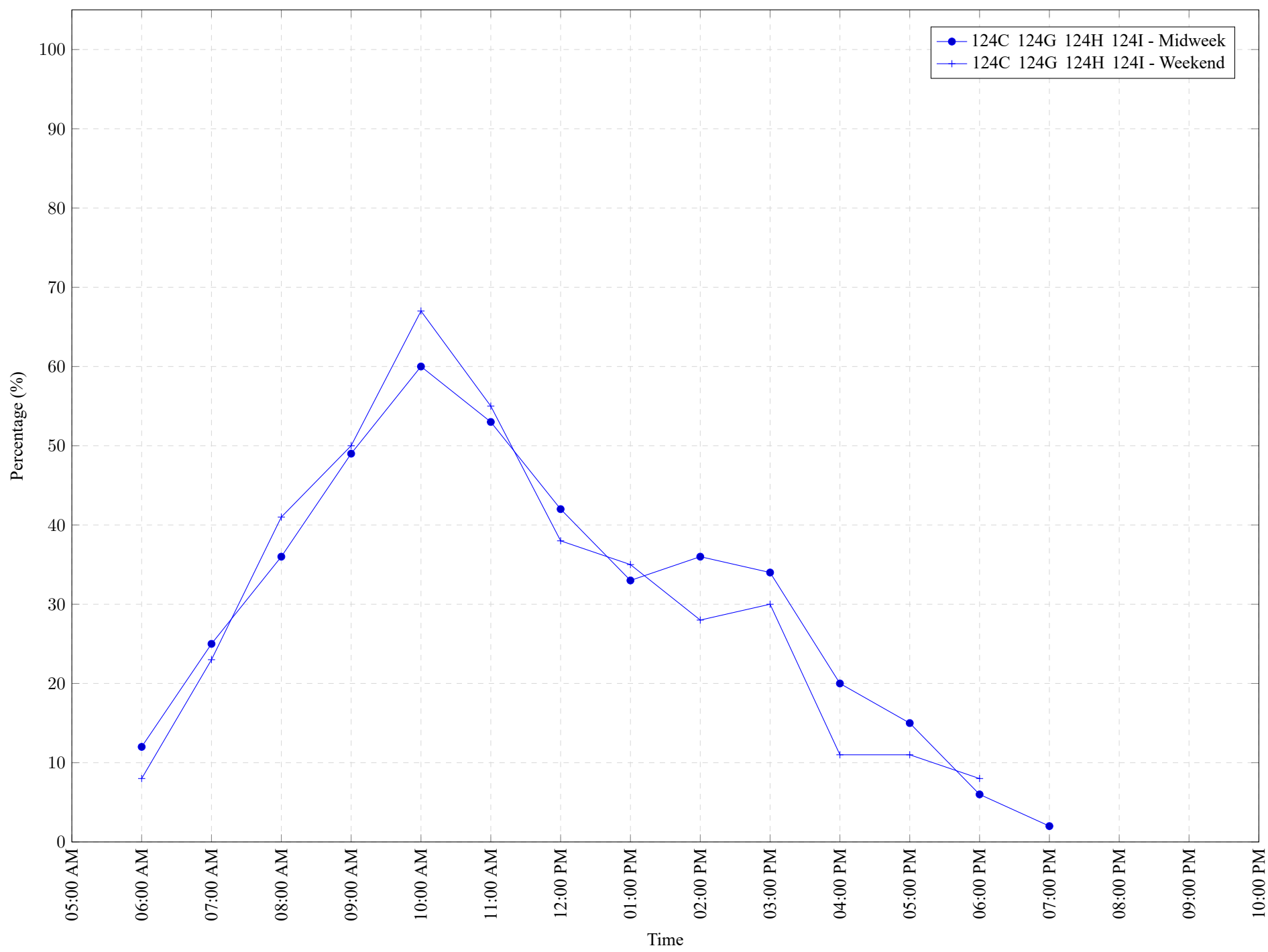


Table 7: Proportion of each day's fishing by hour.

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	12%	25%	36%	49%	60%	53%	42%	33%	36%	34%	20%	15%	6%	2%	0%	0%	0%
124C	124G	124H	124I	Weekend	8%	23%	41%	50%	67%	55%	38%	35%	28%	30%	11%	11%	8%	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
28 Jun 2020	Weekend					
29 Jun 2020	Midweek					
30 Jun 2020	Midweek					
01 Jul 2020	Weekend					
02 Jul 2020	Midweek					
03 Jul 2020	Midweek				choppy	
04 Jul 2020	Weekend			calm/rippled	calm/rippled	
05 Jul 2020	Weekend			calm/rippled		
06 Jul 2020	Midweek					
07 Jul 2020	Midweek				calm/rippled	
08 Jul 2020	Midweek					
09 Jul 2020	Midweek				calm/rippled	
10 Jul 2020	Midweek					
11 Jul 2020	Weekend					
12 Jul 2020	Weekend				calm/rippled	
13 Jul 2020	Midweek					
14 Jul 2020	Midweek					
15 Jul 2020	Midweek				frequent whitecaps	
16 Jul 2020	Midweek				calm/rippled	calm/rippled
17 Jul 2020	Midweek					
18 Jul 2020	Weekend					
19 Jul 2020	Weekend	calm/rippled				
20 Jul 2020	Midweek					
21 Jul 2020	Midweek			frequent whitecaps		
22 Jul 2020	Midweek					
23 Jul 2020	Midweek				calm/rippled	
24 Jul 2020	Midweek					
25 Jul 2020	Weekend				calm/rippled	
26 Jul 2020	Weekend					
27 Jul 2020	Midweek					
28 Jul 2020	Midweek				calm/rippled	
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	