

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 124 July 2019



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



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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)	Fourth Street Dock	Island West		Method Marine	Tofino Resort and Marina			Ucluelet Gov Dock	
		MD	MD	AM	MD	AM	AM	MD	PM	MD	PM
28 Jun 2019	Midweek									1	
29 Jun 2019	Weekend						1				
30 Jun 2019	Weekend									1	
01 Jul 2019	Weekend							2			
02 Jul 2019	Midweek										
03 Jul 2019	Midweek		1							1	
04 Jul 2019	Midweek	3						3			
05 Jul 2019	Midweek						1				
06 Jul 2019	Weekend										
07 Jul 2019	Weekend										
08 Jul 2019	Midweek										
09 Jul 2019	Midweek										
10 Jul 2019	Midweek										
11 Jul 2019	Midweek								4		
12 Jul 2019	Midweek		2								
13 Jul 2019	Weekend							3		1	
14 Jul 2019	Weekend										
15 Jul 2019	Midweek										
16 Jul 2019	Midweek				2				3		
17 Jul 2019	Midweek										
18 Jul 2019	Midweek										
19 Jul 2019	Midweek										
20 Jul 2019	Weekend			1					6		
21 Jul 2019	Weekend							1			
22 Jul 2019	Midweek				1						
23 Jul 2019	Midweek								2		
24 Jul 2019	Midweek							5			1
25 Jul 2019	Midweek									1	
26 Jul 2019	Midweek										
27 Jul 2019	Weekend										
28 Jul 2019	Weekend										
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										

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-2019	Friday	calm/rippled	1				1			
29-Jun-2019	Saturday	calm/rippled	1					9	1000	15
30-Jun-2019	Sunday	calm/rippled	1							
01-Jul-2019	Monday (Canada Day)	calm/rippled	2				4			
02-Jul-2019	Tuesday		0							
03-Jul-2019	Wednesday	calm/rippled	2				1	1	0913	2
04-Jul-2019	Thursday	calm/rippled	6		1		7			
05-Jul-2019	Friday	calm/rippled	1							
06-Jul-2019	Saturday		0					8	1048	12
07-Jul-2019	Sunday		0							
08-Jul-2019	Monday		0							
09-Jul-2019	Tuesday		0					5	1011	10
10-Jul-2019	Wednesday		0							
11-Jul-2019	Thursday	calm/rippled	4				3			
12-Jul-2019	Friday	calm/rippled	2							
13-Jul-2019	Saturday	calm/rippled	4				3	2	0935	3
14-Jul-2019	Sunday		0							
15-Jul-2019	Monday		0							
16-Jul-2019	Tuesday	calm/rippled	5	1			4			
17-Jul-2019	Wednesday		0							
18-Jul-2019	Thursday		0					1	1020	2
19-Jul-2019	Friday		0							
20-Jul-2019	Saturday	calm/rippled	7				5	7	1021	11
21-Jul-2019	Sunday	calm/rippled	1							
22-Jul-2019	Monday	calm/rippled	1					1	1018	2
23-Jul-2019	Tuesday	calm/rippled	2				2			
24-Jul-2019	Wednesday	calm/rippled	6				3			
25-Jul-2019	Thursday	calm/rippled	1							
26-Jul-2019	Friday		0							
27-Jul-2019	Saturday		0					2	1022	4
28-Jul-2019	Sunday		0							
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							
	Totals	calm/rippled	30	1	1		20	2*		4*
	Totals	calm/rippled	14				12	5*		8*

* 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	8	9	72				0.8570				62
Midweek	4	22	88	0.0330	0.0330		0.6670	3	3		59

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	July	1828	5852	1756	23	1785
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
5-Yr Avg	July	1295	3210	666	15	823

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	1	100%	2700%	38	5%	71%	27
Chinook	8	50%	2063%	136	39%	121%	165

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	113	86%
iRec Anglers	1138	77%
iRec Responses	43	33%

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

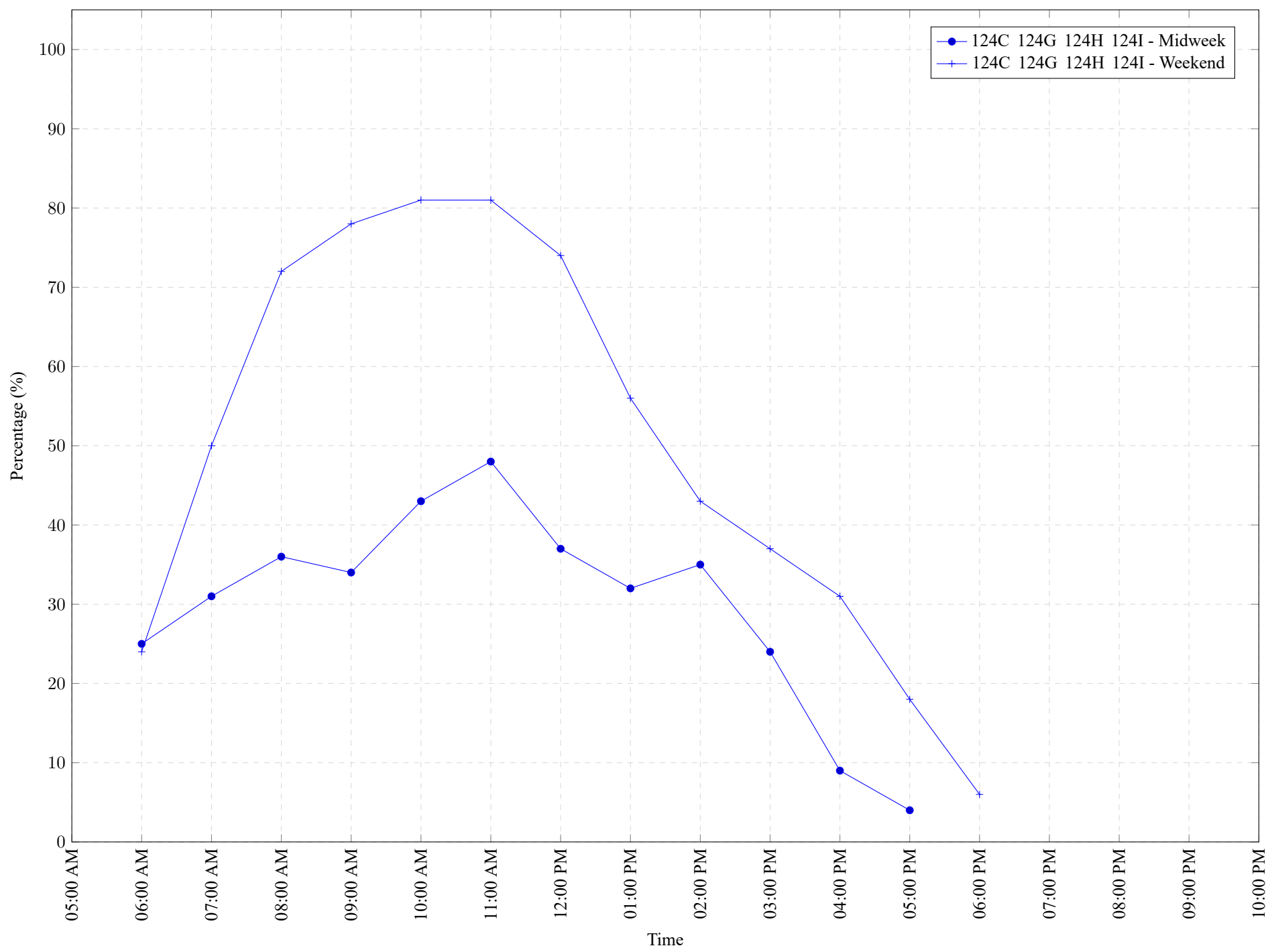


Table 7: Proportion of each day’s fishing by hour.

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	25%	31%	36%	34%	43%	48%	37%	32%	35%	24%	9%	4%	0%	0%	0%	0%	0%
124C	124G	124H	124I	Weekend	24%	50%	72%	78%	81%	81%	74%	56%	43%	37%	31%	18%	6%	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	Ucluelet Gov Dock
28 Jun 2019	Midweek						calm/rippled
29 Jun 2019	Weekend					calm/rippled	
30 Jun 2019	Weekend						calm/rippled
01 Jul 2019	Weekend					calm/rippled	
02 Jul 2019	Midweek						
03 Jul 2019	Midweek		calm/rippled				calm/rippled
04 Jul 2019	Midweek	calm/rippled				calm/rippled	
05 Jul 2019	Midweek					calm/rippled	
06 Jul 2019	Weekend						
07 Jul 2019	Weekend						
08 Jul 2019	Midweek						
09 Jul 2019	Midweek						
10 Jul 2019	Midweek						
11 Jul 2019	Midweek					calm/rippled	
12 Jul 2019	Midweek		calm/rippled				
13 Jul 2019	Weekend					calm/rippled	calm/rippled
14 Jul 2019	Weekend						
15 Jul 2019	Midweek						
16 Jul 2019	Midweek			calm/rippled		calm/rippled	
17 Jul 2019	Midweek						
18 Jul 2019	Midweek						
19 Jul 2019	Midweek						
20 Jul 2019	Weekend			calm/rippled		calm/rippled	
21 Jul 2019	Weekend					calm/rippled	
22 Jul 2019	Midweek			calm/rippled			
23 Jul 2019	Midweek					calm/rippled	
24 Jul 2019	Midweek					calm/rippled	choppy
25 Jul 2019	Midweek						calm/rippled
26 Jul 2019	Midweek						
27 Jul 2019	Weekend						
28 Jul 2019	Weekend						
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						