

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 124 July 2021



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.

		Eagle Marine (Fuel Dock)		Fourth Street Dock	Island West	McKay Bay Gas Dock	Method Marine (Fuel Dock) MD	Tofino Resort and Marina			Ucluelet Gov Dock		
Date	Day Type	MD	PM	PM	MD	PM	MD	AM	MD	PM	AM	MD	PM
28 Jun 2021	Midweek												
29 Jun 2021	Midweek										1		
30 Jun 2021	Midweek								9				
01 Jul 2021	Weekend												3
02 Jul 2021	Midweek								8				
03 Jul 2021	Weekend		4						18			2	
04 Jul 2021	Weekend							4					
05 Jul 2021	Midweek								9				3
06 Jul 2021	Midweek					1						1	
07 Jul 2021	Midweek		1					10					
08 Jul 2021	Midweek												1
09 Jul 2021	Midweek				1								
10 Jul 2021	Weekend												
11 Jul 2021	Weekend									18			
12 Jul 2021	Midweek												
13 Jul 2021	Midweek		2						13				
14 Jul 2021	Midweek											2	
15 Jul 2021	Midweek						3						2
16 Jul 2021	Midweek									7			
17 Jul 2021	Weekend		1							15			
18 Jul 2021	Weekend							4				1	
19 Jul 2021	Midweek												
20 Jul 2021	Midweek				1				14				
21 Jul 2021	Midweek								16				3
22 Jul 2021	Midweek								20				
23 Jul 2021	Midweek											1	
24 Jul 2021	Weekend								13			5	
25 Jul 2021	Weekend			3									
26 Jul 2021	Midweek												
27 Jul 2021	Midweek	1											
28 Jul 2021	Midweek				4		7						
29 Jul 2021	Midweek				2				12				
30 Jul 2021	Midweek									12			
31 Jul 2021	Weekend								9				
01 Aug 2021	Weekend								9			1	
02 Aug 2021	Weekend											3	
03 Aug 2021	Midweek									9			

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-2021	Monday		0							
29-Jun-2021	Tuesday	calm/rippled	1				3			
30-Jun-2021	Wednesday	calm/rippled	9	19	7			10	1016	14
01-Jul-2021	Thursday (Canada Day)	calm/rippled	3				2			
02-Jul-2021	Friday	choppy	11	6	8		6			
03-Jul-2021	Saturday	choppy	24	9	6		21			
04-Jul-2021	Sunday	choppy	4	6	3			13	1202	20
05-Jul-2021	Monday	calm/rippled	12	6	4		13			
06-Jul-2021	Tuesday	choppy	8	3			7			
07-Jul-2021	Wednesday	calm/rippled	11	14	6		9			
08-Jul-2021	Thursday	calm/rippled	1				1			
09-Jul-2021	Friday	calm/rippled	1				4			
10-Jul-2021	Saturday		0							
11-Jul-2021	Sunday	calm/rippled	20	19	9		6			
12-Jul-2021	Monday		3				1			
13-Jul-2021	Tuesday	choppy	15	5	2		11			
14-Jul-2021	Wednesday	calm/rippled	7	2			3			
15-Jul-2021	Thursday	calm/rippled	5	7			3			
16-Jul-2021	Friday	calm/rippled	7	16			10			
17-Jul-2021	Saturday	calm/rippled	16	29	9		10	19	0959	24
18-Jul-2021	Sunday	calm/rippled	5	11	2		5			
19-Jul-2021	Monday		0					16	0952	23
20-Jul-2021	Tuesday	choppy	18	39	18		14			
21-Jul-2021	Wednesday	calm/rippled	19	50	24		15			
22-Jul-2021	Thursday	calm/rippled	23	36	9		8			
23-Jul-2021	Friday	calm/rippled	1	2						
24-Jul-2021	Saturday	frequent whitecaps	18	40	9		13	6	1131	8
25-Jul-2021	Sunday	frequent whitecaps	3		3					
26-Jul-2021	Monday		0							
27-Jul-2021	Tuesday	choppy	1				3			
28-Jul-2021	Wednesday	choppy	14	14	1		6	31	1223	46
29-Jul-2021	Thursday	choppy	16	19	29		1			
30-Jul-2021	Friday	choppy	12	20	8		4			
31-Jul-2021	Saturday	large swells	9	13	3					
01-Aug-2021	Sunday	large swells	12	15	29		2	15	1403	32
02-Aug-2021	Monday (B.C. Day)	choppy	4				14			
03-Aug-2021	Tuesday	frequent whitecaps	9	15	14		1	17	1101	24
	Totals	calm/rippled	185	239	109		119	24*		35*
	Totals	choppy	102	127	44		57	13*		17*

* 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	35	21	735	1.292	0.589		0.643	950	433		473
Weekend	17	10	170	1.245	0.431		0.559	212	73		95

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	July	1227	3680	577		482
2017	July	1017	1765	328		387
2018	July	3094	3716	1071		812
2019	July	898	1104	497		228
2020	July	768	640	43	0	409
2021	July	894	1505	513		670
5-Yr Avg	July	1401	2181	503	0	464

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	365	80%	2%	109	56%	6%	7
Chinook	649	48%	8%	291	33%	18%	51

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	287	79%
iRec Anglers	1283	66%

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

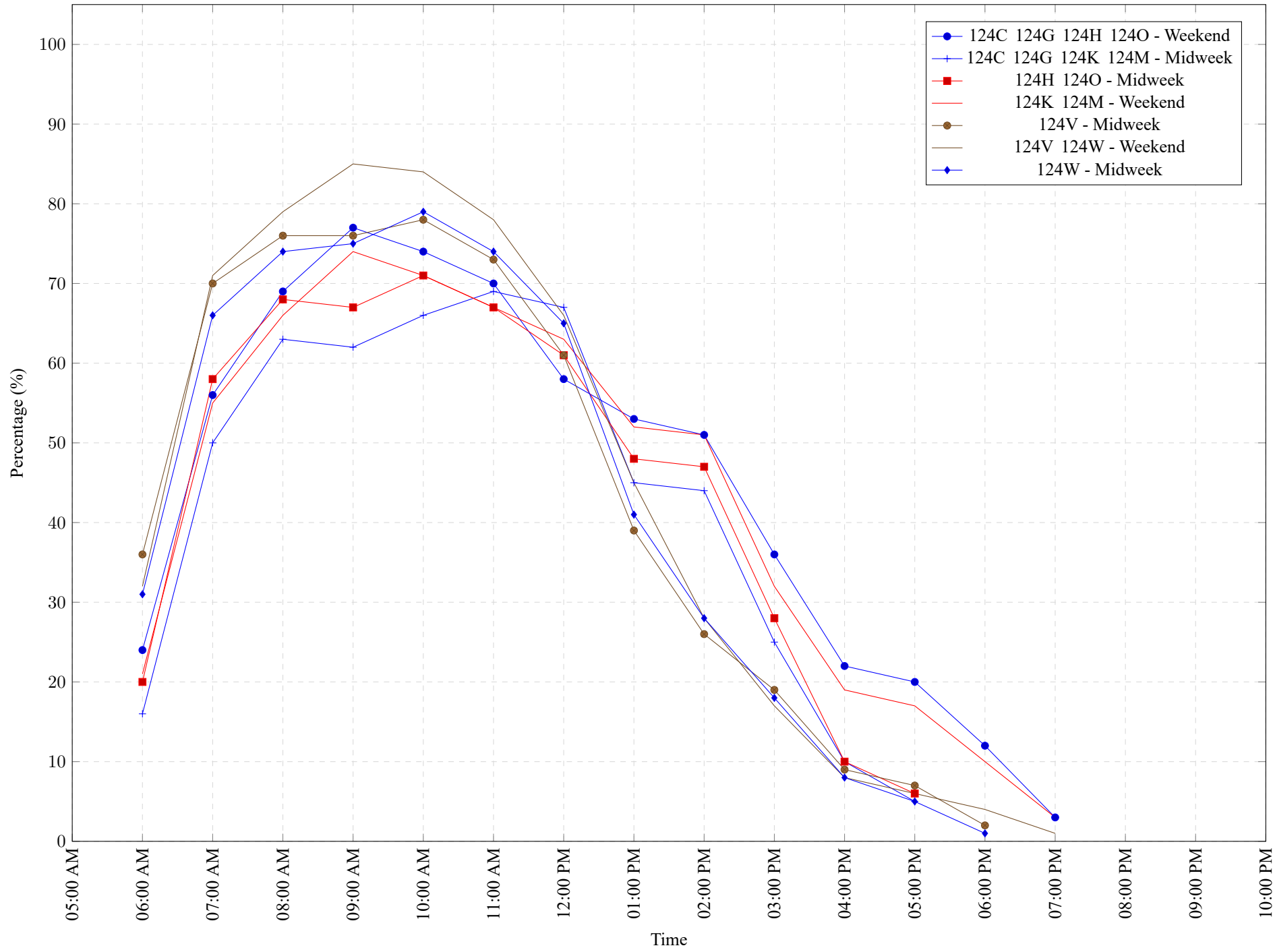


Table 7: Proportion of each day's fishing by hour.

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	124O	Weekend	24%	56%	69%	77%	74%	70%	58%	53%	51%	36%	22%	20%	12%	3%	0%	0%	0%
124C	124G	124K	124M	Midweek	16%	50%	63%	62%	66%	69%	67%	45%	44%	25%	10%	5%	0%	0%	0%	0%	0%
124H 124O				Midweek	20%	58%	68%	67%	71%	67%	61%	48%	47%	28%	10%	6%	0%	0%	0%	0%	0%
124K 124M				Weekend	21%	55%	66%	74%	71%	67%	63%	52%	51%	32%	19%	17%	10%	3%	0%	0%	0%
124V				Midweek	36%	70%	76%	76%	78%	73%	61%	39%	26%	19%	9%	7%	2%	0%	0%	0%	0%
124V 124W				Weekend	32%	71%	79%	85%	84%	78%	66%	45%	28%	17%	8%	6%	4%	1%	0%	0%	0%
124W				Midweek	31%	66%	74%	75%	79%	74%	65%	41%	28%	18%	8%	5%	1%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Eagle Marine (Fuel Dock)	Fourth Street Dock	Island West	McKay Bay Gas Dock	Method Marine (Fuel Dock)	Tofino Resort and Marina	Ucluelet Gov Dock
28 Jun 2021	Midweek							
29 Jun 2021	Midweek							calm/rippled
30 Jun 2021	Midweek						calm/rippled	
01 Jul 2021	Weekend							calm/rippled
02 Jul 2021	Midweek						choppy	
03 Jul 2021	Weekend	choppy					frequent whitecaps	frequent whitecaps
04 Jul 2021	Weekend						choppy	
05 Jul 2021	Midweek						calm/rippled	choppy
06 Jul 2021	Midweek				choppy			calm/rippled
07 Jul 2021	Midweek	frequent whitecaps					calm/rippled	
08 Jul 2021	Midweek							calm/rippled
09 Jul 2021	Midweek			calm/rippled				
10 Jul 2021	Weekend							
11 Jul 2021	Weekend						calm/rippled	
12 Jul 2021	Midweek							
13 Jul 2021	Midweek	calm/rippled					frequent whitecaps	
14 Jul 2021	Midweek							calm/rippled
15 Jul 2021	Midweek					calm/rippled		calm/rippled
16 Jul 2021	Midweek						calm/rippled	
17 Jul 2021	Weekend	calm/rippled					calm/rippled	
18 Jul 2021	Weekend						calm/rippled	calm/rippled
19 Jul 2021	Midweek							
20 Jul 2021	Midweek			calm/rippled			choppy	
21 Jul 2021	Midweek						choppy	calm/rippled
22 Jul 2021	Midweek						calm/rippled	
23 Jul 2021	Midweek							calm/rippled
24 Jul 2021	Weekend						frequent whitecaps	frequent whitecaps
25 Jul 2021	Weekend		frequent whitecaps					
26 Jul 2021	Midweek							
27 Jul 2021	Midweek	choppy						
28 Jul 2021	Midweek			calm/rippled		choppy		
29 Jul 2021	Midweek			frequent whitecaps			choppy	
30 Jul 2021	Midweek						choppy	
31 Jul 2021	Weekend						large swells	
01 Aug 2021	Weekend						large swells	calm/rippled
02 Aug 2021	Weekend							choppy
03 Aug 2021	Midweek						frequent whitecaps	