

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 124 July 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Sunday 14th January, 2024



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

		Fourth Street Dock			Island West		McKay Bay Gas Dock	Method Marine (Fuel Dock)		Tofino Resort and Marina			Ucluelet Gov Dock		
Date	Day Type	AM	MD	PM	AM	MD	MD	MD	PM	AM	MD	PM	AM	MD	PM
28 Jun 2023	Midweek										11				
29 Jun 2023	Midweek					1					9				
30 Jun 2023	Midweek														
01 Jul 2023	Weekend										5				
02 Jul 2023	Weekend											11			
03 Jul 2023	Weekend														
04 Jul 2023	Midweek														
05 Jul 2023	Midweek									8					
06 Jul 2023	Midweek														
07 Jul 2023	Midweek										12				
08 Jul 2023	Weekend										32				
09 Jul 2023	Weekend														
10 Jul 2023	Midweek										13			2	
11 Jul 2023	Midweek														
12 Jul 2023	Midweek	1													
13 Jul 2023	Midweek					1			1						
14 Jul 2023	Midweek											23			
15 Jul 2023	Weekend										20			1	
16 Jul 2023	Weekend		6												
17 Jul 2023	Midweek												2		
18 Jul 2023	Midweek														1
19 Jul 2023	Midweek											12		9	
20 Jul 2023	Midweek						1	1		7				6	
21 Jul 2023	Midweek			8											
22 Jul 2023	Weekend					1						16		7	
23 Jul 2023	Weekend														
24 Jul 2023	Midweek										9				
25 Jul 2023	Midweek														
26 Jul 2023	Midweek											15		2	
27 Jul 2023	Midweek						3								
28 Jul 2023	Midweek		7												
29 Jul 2023	Weekend										26				3
30 Jul 2023	Weekend							4							
31 Jul 2023	Midweek										24				
01 Aug 2023	Midweek													2	
02 Aug 2023	Midweek											21			
03 Aug 2023	Midweek		4												

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-2023	Wednesday	choppy	14	19			1			
29-Jun-2023	Thursday	calm/rippled	11	25			3			
30-Jun-2023	Friday		2	8			1	0	1451	0
01-Jul-2023	Saturday	frequent whitecaps	5	2				14	1034	22
02-Jul-2023	Sunday	calm/rippled	11	24			5			
03-Jul-2023	Monday (Canada Day)		0							
04-Jul-2023	Tuesday		0							
05-Jul-2023	Wednesday	calm/rippled	8	1				20	1031	26
06-Jul-2023	Thursday		0							
07-Jul-2023	Friday	choppy	12	5			2			
08-Jul-2023	Saturday	calm/rippled	32	7	2		23	37	1028	56
09-Jul-2023	Sunday		0							
10-Jul-2023	Monday	calm/rippled	15	13	1		18	18	1022	25
11-Jul-2023	Tuesday		0							
12-Jul-2023	Wednesday	calm/rippled	1		3					
13-Jul-2023	Thursday	calm/rippled	2				3			
14-Jul-2023	Friday	calm/rippled	23	22	1		8			
15-Jul-2023	Saturday	calm/rippled	21	22	5		10			
16-Jul-2023	Sunday	choppy	6	4			1	20	1223	39
17-Jul-2023	Monday	choppy	2	12			3			
18-Jul-2023	Tuesday	choppy	1	9						
19-Jul-2023	Wednesday	frequent whitecaps	21	78	15		28	32	1034	43
20-Jul-2023	Thursday	choppy	8	13	3		2			
21-Jul-2023	Friday	calm/rippled	15	49	6		25			
22-Jul-2023	Saturday	choppy	24	75	17		28			
23-Jul-2023	Sunday		0					48	1019	70
24-Jul-2023	Monday	frequent whitecaps	9	17			2			
25-Jul-2023	Tuesday		0					18	1032	24
26-Jul-2023	Wednesday	choppy	20	60	8		25			
27-Jul-2023	Thursday	calm/rippled	5	8	2		5			
28-Jul-2023	Friday	calm/rippled	7	13	2					
29-Jul-2023	Saturday	choppy	29	68	12		18	56	1032	87
30-Jul-2023	Sunday	calm/rippled	4	4	3					
31-Jul-2023	Monday	calm/rippled	24	40	8		12	29	1027	40
01-Aug-2023	Tuesday	choppy	2				16			
02-Aug-2023	Wednesday	calm/rippled	21	48	13		3	22	1021	30
03-Aug-2023	Thursday	calm/rippled	4	12	3					
	Totals	choppy	173	340	49		133	23*		32*
	Totals	choppy	132	206	39		85	35*		55*

* 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	55	11	605	1.561	0.295		0.644	944	178		390
Midweek	32	20	640	1.965	0.283		0.769	1258	181		492

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2022	July	720	780	152		603
2023	July	1343	2531	459	0	1201
5-Yr Avg	July	1275	1549	455	0	544

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	368	80%	3%	294	82%	3%	10
Chinook	706	35%	12%	300	21%	28%	84

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	305	81%
iRec Anglers	1841	78%

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

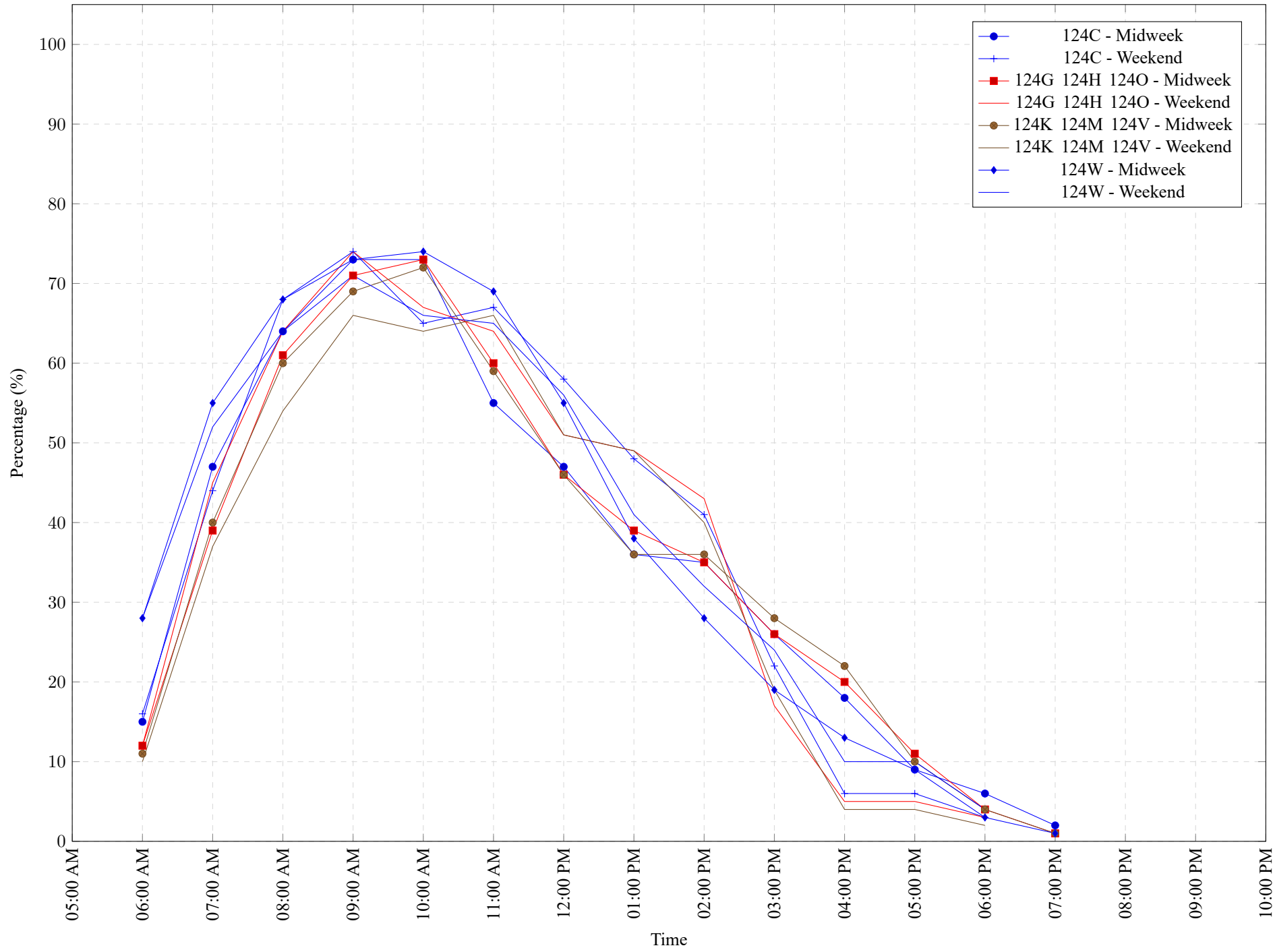


Table 7: Proportion of each day's fishing by hour.

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			Midweek	15%	47%	64%	73%	73%	55%	47%	36%	35%	26%	18%	9%	6%	2%	0%	0%	0%
124C			Weekend	16%	44%	68%	74%	65%	67%	58%	48%	41%	22%	6%	6%	3%	0%	0%	0%	0%
124G	124H	124O	Midweek	12%	39%	61%	71%	73%	60%	46%	39%	35%	26%	20%	11%	4%	1%	0%	0%	0%
124G	124H	124O	Weekend	12%	45%	64%	74%	67%	64%	51%	49%	43%	17%	5%	5%	3%	0%	0%	0%	0%
124K	124M	124V	Midweek	11%	40%	60%	69%	72%	59%	46%	36%	36%	28%	22%	10%	4%	1%	0%	0%	0%
124K	124M	124V	Weekend	10%	37%	54%	66%	64%	66%	51%	49%	40%	19%	4%	4%	2%	0%	0%	0%	0%
124W			Midweek	28%	55%	68%	73%	74%	69%	55%	38%	28%	19%	13%	9%	3%	1%	0%	0%	0%
124W			Weekend	28%	52%	64%	71%	66%	65%	56%	41%	32%	24%	10%	10%	4%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Fourth Street Dock	Island West	McKay Bay Gas Dock	Method Marine (Fuel Dock)	Tofino Resort and Marina	Ucluelet Gov Dock
28 Jun 2023	Midweek					choppy	
29 Jun 2023	Midweek		calm/rippled			calm/rippled	
30 Jun 2023	Midweek						
01 Jul 2023	Weekend					frequent whitecaps	
02 Jul 2023	Weekend					calm/rippled	
03 Jul 2023	Weekend						
04 Jul 2023	Midweek						
05 Jul 2023	Midweek					calm/rippled	
06 Jul 2023	Midweek						
07 Jul 2023	Midweek					choppy	
08 Jul 2023	Weekend					calm/rippled	
09 Jul 2023	Weekend						
10 Jul 2023	Midweek					calm/rippled	calm/rippled
11 Jul 2023	Midweek						
12 Jul 2023	Midweek	calm/rippled					
13 Jul 2023	Midweek		choppy		calm/rippled		
14 Jul 2023	Midweek					calm/rippled	
15 Jul 2023	Weekend					choppy	calm/rippled
16 Jul 2023	Weekend	choppy					
17 Jul 2023	Midweek						choppy
18 Jul 2023	Midweek						choppy
19 Jul 2023	Midweek					frequent whitecaps	frequent whitecaps
20 Jul 2023	Midweek			frequent whitecaps		choppy	
21 Jul 2023	Midweek	calm/rippled	calm/rippled				calm/rippled
22 Jul 2023	Weekend		calm/rippled			choppy	calm/rippled
23 Jul 2023	Weekend						
24 Jul 2023	Midweek					frequent whitecaps	
25 Jul 2023	Midweek						
26 Jul 2023	Midweek					choppy	choppy
27 Jul 2023	Midweek		calm/rippled				
28 Jul 2023	Midweek	calm/rippled					
29 Jul 2023	Weekend					choppy	calm/rippled
30 Jul 2023	Weekend				calm/rippled		
31 Jul 2023	Midweek					calm/rippled	
01 Aug 2023	Midweek						choppy
02 Aug 2023	Midweek					calm/rippled	
03 Aug 2023	Midweek	calm/rippled					