

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 124 July 2022



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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Canada

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Canada



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 (Fuel Dock)		Tofino Resort and Marina			Ucluelet Gov Dock
		AM	MD	MD	PM	PM	MD	PM	AM	MD	PM	MD
28 Jun 2022	Midweek										6	
29 Jun 2022	Midweek						3					
30 Jun 2022	Midweek											
01 Jul 2022	Weekend	1									15	
02 Jul 2022	Weekend											
03 Jul 2022	Weekend											
04 Jul 2022	Midweek									19		
05 Jul 2022	Midweek									18		
06 Jul 2022	Midweek		1									
07 Jul 2022	Midweek							2				
08 Jul 2022	Midweek											
09 Jul 2022	Weekend											
10 Jul 2022	Weekend										16	
11 Jul 2022	Midweek		1									
12 Jul 2022	Midweek			1								
13 Jul 2022	Midweek								4			
14 Jul 2022	Midweek									20		
15 Jul 2022	Midweek										8	
16 Jul 2022	Weekend						10					
17 Jul 2022	Weekend									13		
18 Jul 2022	Midweek										17	2
19 Jul 2022	Midweek											
20 Jul 2022	Midweek											
21 Jul 2022	Midweek			3								
22 Jul 2022	Midweek	1								14		
23 Jul 2022	Weekend		2		6							
24 Jul 2022	Weekend								6			
25 Jul 2022	Midweek									15		2
26 Jul 2022	Midweek	5									14	
27 Jul 2022	Midweek											1
28 Jul 2022	Midweek								7			
29 Jul 2022	Midweek										29	
30 Jul 2022	Weekend						2					
31 Jul 2022	Weekend					1						
01 Aug 2022	Weekend									13		1
02 Aug 2022	Midweek									12		
03 Aug 2022	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
28-Jun-2022	Tuesday	frequent whitecaps	6	20	6		2	10	0959	15
29-Jun-2022	Wednesday	choppy	3	2			1			
30-Jun-2022	Thursday		0							
01-Jul-2022	Friday (Canada Day)	choppy	16	26	7		8	23	1043	31
02-Jul-2022	Saturday		0							
03-Jul-2022	Sunday		0							
04-Jul-2022	Monday	frequent whitecaps	19	18	4		7			
05-Jul-2022	Tuesday	calm/rippled	18	21	4		2			
06-Jul-2022	Wednesday	calm/rippled	1					8	1022	13
07-Jul-2022	Thursday	choppy	2							
08-Jul-2022	Friday		0							
09-Jul-2022	Saturday		0					40	1014	53
10-Jul-2022	Sunday	frequent whitecaps	16	12	3		4			
11-Jul-2022	Monday	choppy	1				3			
12-Jul-2022	Tuesday	large swells	1	4	1			1	1131	2
13-Jul-2022	Wednesday	large swells	4	3			1			
14-Jul-2022	Thursday	choppy	21	23	2		9			
15-Jul-2022	Friday	large swells	9	10	5		1			
16-Jul-2022	Saturday	frequent whitecaps	14	10	1		7			
17-Jul-2022	Sunday	choppy	13	15	4		10	21	1013	29
18-Jul-2022	Monday	frequent whitecaps	19	25	10		7	7	1101	11
19-Jul-2022	Tuesday		0							
20-Jul-2022	Wednesday		4	4	4					
21-Jul-2022	Thursday	frequent whitecaps	5	5	2					
22-Jul-2022	Friday	choppy	15	18	11		13			
23-Jul-2022	Saturday	choppy	10	14	11		12	0	0957	0
24-Jul-2022	Sunday	choppy	6	9	11					
25-Jul-2022	Monday	choppy	18	29	23		2			
26-Jul-2022	Tuesday	choppy	20	44	7		18	29	1031	45
27-Jul-2022	Wednesday	choppy	4	2	5		4			
28-Jul-2022	Thursday	choppy	9	8	19		2			
29-Jul-2022	Friday	choppy	31	33	40		10			
30-Jul-2022	Saturday	choppy	2		2					
31-Jul-2022	Sunday	calm/rippled	1				1	13	0905	19
01-Aug-2022	Monday (B.C. Day)	choppy	14	22	12		1			
02-Aug-2022	Tuesday	frequent whitecaps	12	6	4		5			
03-Aug-2022	Wednesday	choppy	1							
	Totals	choppy	201	247	137		79	11*		18*
	Totals	choppy	78	86	39		42	19*		26*

* 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	26	11	286	1.103	0.5		0.538	315	143		154
Midweek	18	20	360	1.229	0.682		0.393	442	246		141

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2022	July	720	780	152		603
5-Yr Avg	July	1334	1746	490	0	501

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	64	47%	22%	91	34%	15%	14
Chinook	268	39%	16%	299	48%	15%	44

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	279	79%
iRec Anglers	837	70%

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

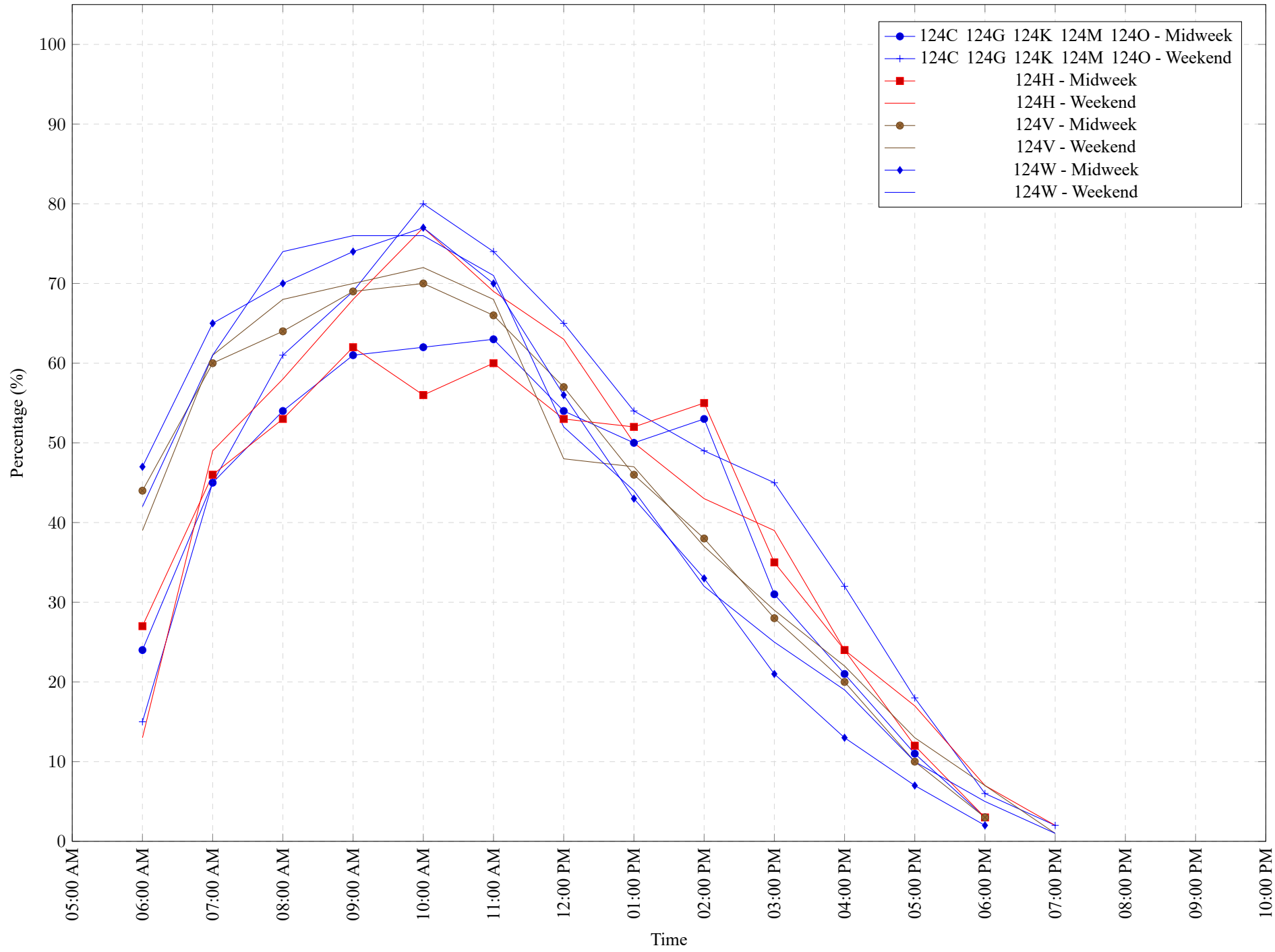


Table 7: Proportion of each day's fishing by hour.

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	124K	124M	124O	Midweek	24%	45%	54%	61%	62%	63%	54%	50%	53%	31%	21%	11%	3%	0%	0%	0%	0%
124C	124G	124K	124M	124O	Weekend	15%	45%	61%	69%	80%	74%	65%	54%	49%	45%	32%	18%	6%	2%	0%	0%	0%
		124H			Midweek	27%	46%	53%	62%	56%	60%	53%	52%	55%	35%	24%	12%	3%	0%	0%	0%	0%
		124H			Weekend	13%	49%	58%	68%	77%	69%	63%	50%	43%	39%	24%	17%	7%	2%	0%	0%	0%
		124V			Midweek	44%	60%	64%	69%	70%	66%	57%	46%	38%	28%	20%	10%	3%	0%	0%	0%	0%
		124V			Weekend	39%	61%	68%	70%	72%	68%	48%	47%	37%	29%	22%	13%	7%	1%	0%	0%	0%
		124W			Midweek	47%	65%	70%	74%	77%	70%	56%	43%	33%	21%	13%	7%	2%	0%	0%	0%	0%
		124W			Weekend	42%	61%	74%	76%	76%	71%	52%	44%	32%	25%	19%	10%	5%	1%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Eagle Marine (Fuel Dock)	Fourth Street Dock	Island West	Method Marine (Fuel Dock)	Tofino Resort and Marina	Ucluelet Gov Dock
28 Jun 2022	Midweek					frequent whitecaps	
29 Jun 2022	Midweek				choppy		
30 Jun 2022	Midweek						
01 Jul 2022	Weekend	calm/rippled				choppy	
02 Jul 2022	Weekend						
03 Jul 2022	Weekend						
04 Jul 2022	Midweek					frequent whitecaps	
05 Jul 2022	Midweek					calm/rippled	
06 Jul 2022	Midweek	calm/rippled					
07 Jul 2022	Midweek				choppy		
08 Jul 2022	Midweek						
09 Jul 2022	Weekend						
10 Jul 2022	Weekend					frequent whitecaps	
11 Jul 2022	Midweek	choppy					
12 Jul 2022	Midweek		large swells				
13 Jul 2022	Midweek					large swells	
14 Jul 2022	Midweek					choppy	
15 Jul 2022	Midweek					large swells	
16 Jul 2022	Weekend				frequent whitecaps		
17 Jul 2022	Weekend					choppy	
18 Jul 2022	Midweek					frequent whitecaps	choppy
19 Jul 2022	Midweek						
20 Jul 2022	Midweek						
21 Jul 2022	Midweek		frequent whitecaps				
22 Jul 2022	Midweek	choppy				choppy	
23 Jul 2022	Weekend	choppy	choppy				
24 Jul 2022	Weekend					choppy	
25 Jul 2022	Midweek					choppy	calm/rippled
26 Jul 2022	Midweek	choppy				choppy	
27 Jul 2022	Midweek						choppy
28 Jul 2022	Midweek					choppy	
29 Jul 2022	Midweek					choppy	
30 Jul 2022	Weekend				choppy		
31 Jul 2022	Weekend		calm/rippled				
01 Aug 2022	Weekend					choppy	choppy
02 Aug 2022	Midweek					frequent whitecaps	
03 Aug 2022	Midweek	choppy					