

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 124 June 2021



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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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)		Tofino Resort and Marina			Ucluelet Gov Dock		
		MD	PM	AM	MD	PM	AM	MD	PM
29 May 2021	Weekend								
30 May 2021	Weekend								
31 May 2021	Midweek								
01 Jun 2021	Midweek							1	
02 Jun 2021	Midweek				1				1
03 Jun 2021	Midweek								
04 Jun 2021	Midweek				3				
05 Jun 2021	Weekend								
06 Jun 2021	Weekend								
07 Jun 2021	Midweek					1			
08 Jun 2021	Midweek							2	
09 Jun 2021	Midweek								
10 Jun 2021	Midweek								
11 Jun 2021	Midweek				1				
12 Jun 2021	Weekend								
13 Jun 2021	Weekend				7				
14 Jun 2021	Midweek			2					
15 Jun 2021	Midweek								1
16 Jun 2021	Midweek								
17 Jun 2021	Midweek				10			2	
18 Jun 2021	Midweek								
19 Jun 2021	Weekend				9				
20 Jun 2021	Weekend	1				15			
21 Jun 2021	Midweek								
22 Jun 2021	Midweek								
23 Jun 2021	Midweek				6				
24 Jun 2021	Midweek							2	
25 Jun 2021	Midweek					9			
26 Jun 2021	Weekend				16			6	
27 Jun 2021	Weekend		1		14			2	
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	

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
29-May-2021	Saturday		0							
30-May-2021	Sunday		0							
31-May-2021	Monday		0							
01-Jun-2021	Tuesday	choppy	1				1			
02-Jun-2021	Wednesday	calm/rippled	2				2			
03-Jun-2021	Thursday		0							
04-Jun-2021	Friday	frequent whitecaps	3	3				6	1024	11
05-Jun-2021	Saturday		0					2	1022	3
06-Jun-2021	Sunday		0							
07-Jun-2021	Monday	calm/rippled	1							
08-Jun-2021	Tuesday	choppy	2				2	18	1004	34
09-Jun-2021	Wednesday		0							
10-Jun-2021	Thursday		0							
11-Jun-2021	Friday	frequent whitecaps	1							
12-Jun-2021	Saturday		0					0	0954	0
13-Jun-2021	Sunday	frequent whitecaps	7		1		1			
14-Jun-2021	Monday	calm/rippled	2							
15-Jun-2021	Tuesday	calm/rippled	1				3			
16-Jun-2021	Wednesday		0							
17-Jun-2021	Thursday	calm/rippled	12	4	3		17	9	1021	17
18-Jun-2021	Friday		0							
19-Jun-2021	Saturday	calm/rippled	9	5	3		4	11	1017	17
20-Jun-2021	Sunday	calm/rippled	16	9	8		23			
21-Jun-2021	Monday		0					7	1020	14
22-Jun-2021	Tuesday		0							
23-Jun-2021	Wednesday	calm/rippled	6	3			5			
24-Jun-2021	Thursday	choppy	2				4			
25-Jun-2021	Friday	calm/rippled	9	6	4		1			
26-Jun-2021	Saturday	calm/rippled	22	6	5		25	32	1017	49
27-Jun-2021	Sunday	calm/rippled	17	19	20		12			
28-Jun-2021	Monday		0							
29-Jun-2021	Tuesday	calm/rippled	1				3			
30-Jun-2021	Wednesday	calm/rippled	9	19	7			10	1016	19
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			
	Totals	choppy	52	35	14		38	10*		19*
	Totals	calm/rippled	71	39	37		65	11*		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	19	22	418	0.673	0.269		0.731	281	112		306
Weekend	17	8	136	0.549	0.521		0.915	75	71		124

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	June	1018	3125	29		314
2017	June	441	938	50		270
2018	June	377	637	53		198
2019	June	580	276	9		439
2020	June	111	29	5		108
2021	June	474	94	34		757
5-Yr Avg	June	505	1001	29		266

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	5	15%	40%	18	36%	11%	2
Chinook	52	56%	38%	29	57%	69%	20

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	123	84%
iRec Anglers	267	79%

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

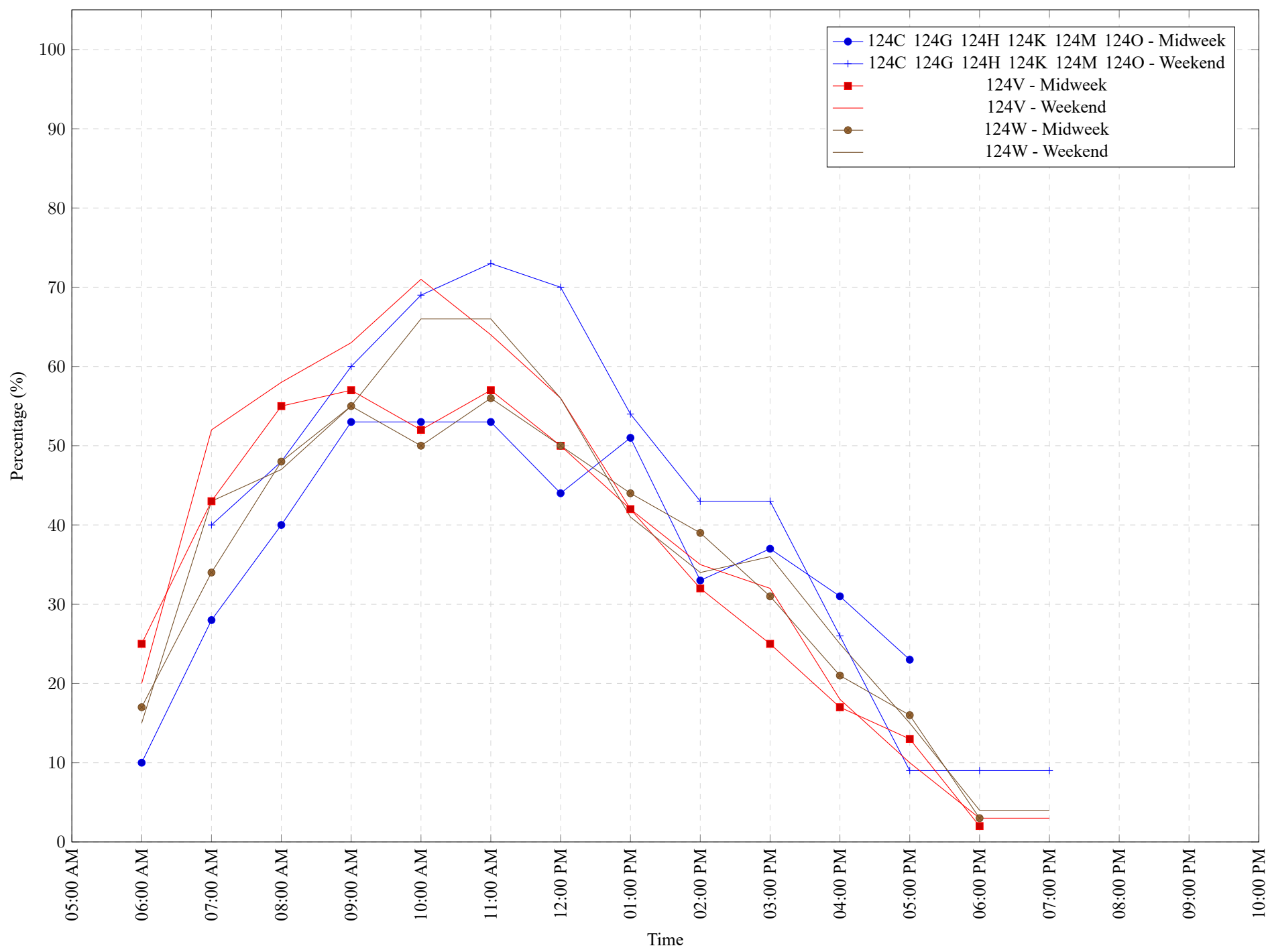


Table 7: Proportion of each day's fishing by hour.

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	124K	124M	124O	Midweek	10%	28%	40%	53%	53%	53%	44%	51%	33%	37%	31%	23%	0%	0%	0%	0%	0%
124C	124G	124H	124K	124M	124O	Weekend	0%	40%	48%	60%	69%	73%	70%	54%	43%	43%	26%	9%	9%	9%	0%	0%	0%
124V						Midweek	25%	43%	55%	57%	52%	57%	50%	42%	32%	25%	17%	13%	2%	0%	0%	0%	0%
124V						Weekend	20%	52%	58%	63%	71%	64%	56%	42%	35%	32%	18%	10%	3%	3%	0%	0%	0%
124W						Midweek	17%	34%	48%	55%	50%	56%	50%	44%	39%	31%	21%	16%	3%	0%	0%	0%	0%
124W						Weekend	15%	43%	47%	55%	66%	66%	56%	41%	34%	36%	25%	15%	4%	4%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Eagle Marine (Fuel Dock)	Tofino Resort and Marina	Ucluelet Gov Dock
29 May 2021	Weekend			
30 May 2021	Weekend			
31 May 2021	Midweek			
01 Jun 2021	Midweek			choppy
02 Jun 2021	Midweek		calm/rippled	choppy
03 Jun 2021	Midweek			
04 Jun 2021	Midweek		frequent whitecaps	
05 Jun 2021	Weekend			
06 Jun 2021	Weekend			
07 Jun 2021	Midweek		calm/rippled	
08 Jun 2021	Midweek			choppy
09 Jun 2021	Midweek			
10 Jun 2021	Midweek			
11 Jun 2021	Midweek		frequent whitecaps	
12 Jun 2021	Weekend			
13 Jun 2021	Weekend		frequent whitecaps	
14 Jun 2021	Midweek		calm/rippled	
15 Jun 2021	Midweek			calm/rippled
16 Jun 2021	Midweek			
17 Jun 2021	Midweek		calm/rippled	choppy
18 Jun 2021	Midweek			
19 Jun 2021	Weekend		calm/rippled	
20 Jun 2021	Weekend	choppy	calm/rippled	
21 Jun 2021	Midweek			
22 Jun 2021	Midweek			
23 Jun 2021	Midweek		calm/rippled	
24 Jun 2021	Midweek			choppy
25 Jun 2021	Midweek		calm/rippled	
26 Jun 2021	Weekend		calm/rippled	choppy
27 Jun 2021	Weekend	calm/rippled	calm/rippled	calm/rippled
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