

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 24 August 2023



Prepared By:

South Coast Salmon Stock Assessment Section

Saturday 13th January, 2024



Fisheries and Oceans
Canada

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Canada



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

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

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-Jul-2023	Saturday	choppy	2	6	3			7	1059	11
30-Jul-2023	Sunday	calm/rippled	1							
31-Jul-2023	Monday	calm/rippled	9		2			2	1054	3
01-Aug-2023	Tuesday		0							
02-Aug-2023	Wednesday	calm/rippled	5					1	1137	2
03-Aug-2023	Thursday	calm/rippled	3		2					
04-Aug-2023	Friday	calm/rippled	7		4					
05-Aug-2023	Saturday	calm/rippled	3							
06-Aug-2023	Sunday		0							
07-Aug-2023	Monday (B.C. Day)	calm/rippled	6		3					
08-Aug-2023	Tuesday		0					4	1035	7
09-Aug-2023	Wednesday	choppy	4		2					
10-Aug-2023	Thursday		0							
11-Aug-2023	Friday	calm/rippled	3							
12-Aug-2023	Saturday	frequent whitecaps	1		1			0	1011	0
13-Aug-2023	Sunday	choppy	7		6					
14-Aug-2023	Monday	frequent whitecaps	13	1	11					
15-Aug-2023	Tuesday	frequent whitecaps	15		21			3	1052	5
16-Aug-2023	Wednesday	frequent whitecaps	14		10					
17-Aug-2023	Thursday		0							
18-Aug-2023	Friday	frequent whitecaps	2		2					
19-Aug-2023	Saturday	choppy	10		10			6	1117	10
20-Aug-2023	Sunday	choppy	10		8					
21-Aug-2023	Monday		0							
22-Aug-2023	Tuesday	choppy	14	1	38					
23-Aug-2023	Wednesday		0							
24-Aug-2023	Thursday	calm/rippled	10		27			4	1251	8
25-Aug-2023	Friday	calm/rippled	9		18					
26-Aug-2023	Saturday	calm/rippled	8		21			6	1216	12
27-Aug-2023	Sunday	calm/rippled	2		2					
28-Aug-2023	Monday	calm/rippled	9		14			13	1149	21
29-Aug-2023	Tuesday		0							
30-Aug-2023	Wednesday	calm/rippled	2		4					
31-Aug-2023	Thursday	choppy	6		11					
01-Sep-2023	Friday	choppy	9	1	11			8	1043	13
02-Sep-2023	Saturday	choppy	12		16			6	1042	8
03-Sep-2023	Sunday	choppy	7		4					
	Totals	choppy	116	2	164			5*		9*
	Totals	choppy	47		51			4*		7*

* 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	7	9	63		1.085				68		
Midweek	9	22	198	0.017	1.414			3	280		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	August	168	3	442		18
2019	August	178	3	490	2	0
2020	August	123	23	116		3
2021	August	337	0	470		1
2022	August	380	11	1077		5
2023	August	279	5	351		0
5-Yr Avg	August	237	8	519	2	5

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	51	15%	25%	56	17%	23%	13
Chinook	4	80%	600%	143	27%	17%	24

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	163	80%
iRec Anglers	868	55%

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

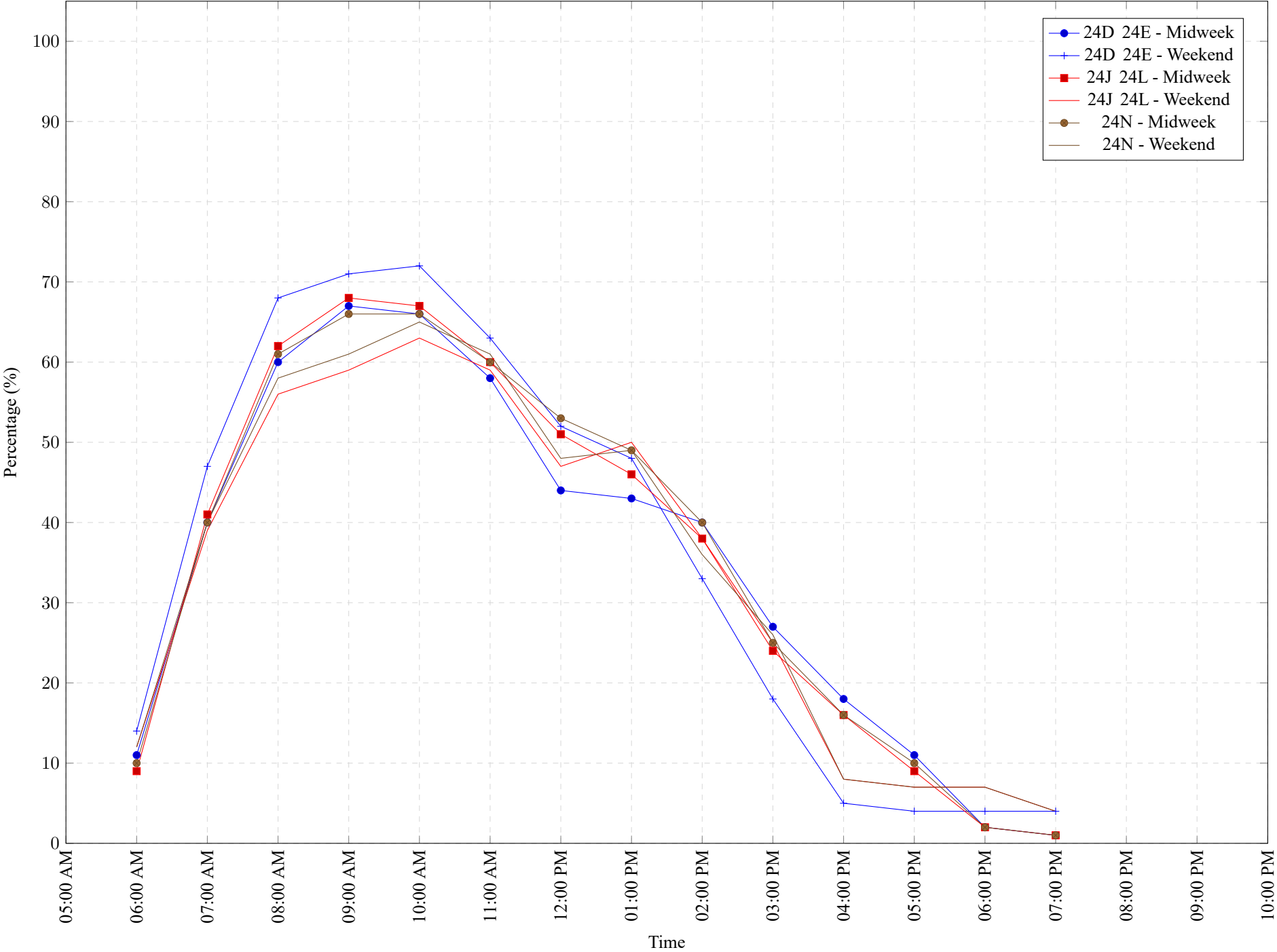


Table 7: Proportion of each day's fishing by hour.

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
24D	24E	Midweek	11%	40%	60%	67%	66%	58%	44%	43%	40%	27%	18%	11%	2%	1%	0%	0%	0%
24D	24E	Weekend	14%	47%	68%	71%	72%	63%	52%	48%	33%	18%	5%	4%	4%	4%	0%	0%	0%
24J	24L	Midweek	9%	41%	62%	68%	67%	60%	51%	46%	38%	24%	16%	9%	2%	1%	0%	0%	0%
24J	24L	Weekend	12%	39%	56%	59%	63%	59%	47%	50%	38%	25%	8%	7%	7%	4%	0%	0%	0%
24N		Midweek	10%	40%	61%	66%	66%	60%	53%	49%	40%	25%	16%	10%	2%	1%	0%	0%	0%
24N		Weekend	12%	40%	58%	61%	65%	61%	48%	49%	36%	26%	8%	7%	7%	4%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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