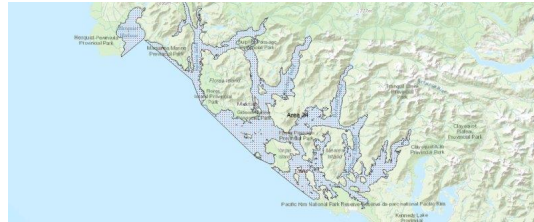


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 24 August 2022



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



Fisheries and Oceans
Canada

Pêches et Océans
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	AM	MD	PM	AM	MD	PM
29 Jul 2022	Midweek								5
30 Jul 2022	Weekend				1				
31 Jul 2022	Weekend								
01 Aug 2022	Weekend							10	
02 Aug 2022	Midweek							10	
03 Aug 2022	Midweek								
04 Aug 2022	Midweek								
05 Aug 2022	Midweek		4						
06 Aug 2022	Weekend				4				
07 Aug 2022	Weekend							14	
08 Aug 2022	Midweek						10		
09 Aug 2022	Midweek								
10 Aug 2022	Midweek	4							
11 Aug 2022	Midweek							15	
12 Aug 2022	Midweek								9
13 Aug 2022	Weekend					4			
14 Aug 2022	Weekend								
15 Aug 2022	Midweek								9
16 Aug 2022	Midweek							11	
17 Aug 2022	Midweek								
18 Aug 2022	Midweek			2					
19 Aug 2022	Midweek								6
20 Aug 2022	Weekend							8	
21 Aug 2022	Weekend							4	
22 Aug 2022	Midweek							7	
23 Aug 2022	Midweek								
24 Aug 2022	Midweek								
25 Aug 2022	Midweek							12	
26 Aug 2022	Midweek								10
27 Aug 2022	Weekend							4	
28 Aug 2022	Weekend								5
29 Aug 2022	Midweek								
30 Aug 2022	Midweek								
31 Aug 2022	Midweek							9	
01 Sep 2022	Midweek							2	
02 Sep 2022	Midweek		2						
03 Sep 2022	Weekend							8	

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-2022	Friday	choppy	6	1	33					
30-Jul-2022	Saturday	choppy	1	1	2					
31-Jul-2022	Sunday		0					8	0925	10
01-Aug-2022	Monday (B.C. Day)	choppy	10	1	46					
02-Aug-2022	Tuesday	frequent whitecaps	10	1	38					
03-Aug-2022	Wednesday		0							
04-Aug-2022	Thursday		0					2	1209	4
05-Aug-2022	Friday	choppy	4		12		2			
06-Aug-2022	Saturday	calm/rippled	4	3	15			9	1043	12
07-Aug-2022	Sunday	frequent whitecaps	14		44					
08-Aug-2022	Monday	frequent whitecaps	10		52					
09-Aug-2022	Tuesday		0							
10-Aug-2022	Wednesday	frequent whitecaps	4		9					
11-Aug-2022	Thursday	calm/rippled	15		36			12	1104	17
12-Aug-2022	Friday	calm/rippled	9		18					
13-Aug-2022	Saturday	frequent whitecaps	4		15					
14-Aug-2022	Sunday		0					7	1036	9
15-Aug-2022	Monday	choppy	9		21					
16-Aug-2022	Tuesday	calm/rippled	11		23					
17-Aug-2022	Wednesday		0					7	1036	10
18-Aug-2022	Thursday	choppy	2		2					
19-Aug-2022	Friday	choppy	6		20					
20-Aug-2022	Saturday	choppy	8		23					
21-Aug-2022	Sunday	choppy	4		8			16	1042	21
22-Aug-2022	Monday	choppy	7		7					
23-Aug-2022	Tuesday		0							
24-Aug-2022	Wednesday		0					8	1258	16
25-Aug-2022	Thursday	frequent whitecaps	12		34					
26-Aug-2022	Friday	frequent whitecaps	10		33					
27-Aug-2022	Saturday	large swells	4		25			6	1107	8
28-Aug-2022	Sunday	frequent whitecaps	5		10					
29-Aug-2022	Monday		0					5	1037	7
30-Aug-2022	Tuesday		0							
31-Aug-2022	Wednesday	choppy	9		20					
01-Sep-2022	Thursday	choppy	2		4					
02-Sep-2022	Friday	choppy	2		2					
03-Sep-2022	Saturday	frequent whitecaps	8		13					
	Totals	choppy	118	1	325		2	7*		11*
	Totals	frequent whitecaps	53	4	186			10*		13*

* 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	13	9	117	0.075	3.509			9	411		
Midweek	11	22	242	0.008	2.754		0.017	2	666		4

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	August	238	65	144		12
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
5-Yr Avg	August	209	19	332	2	7

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	39	4%	33%	335	29%	4%	13
Chinook	2	18%	150%	62	12%	5%	3

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	171	75%
iRec Anglers	1568	50%

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

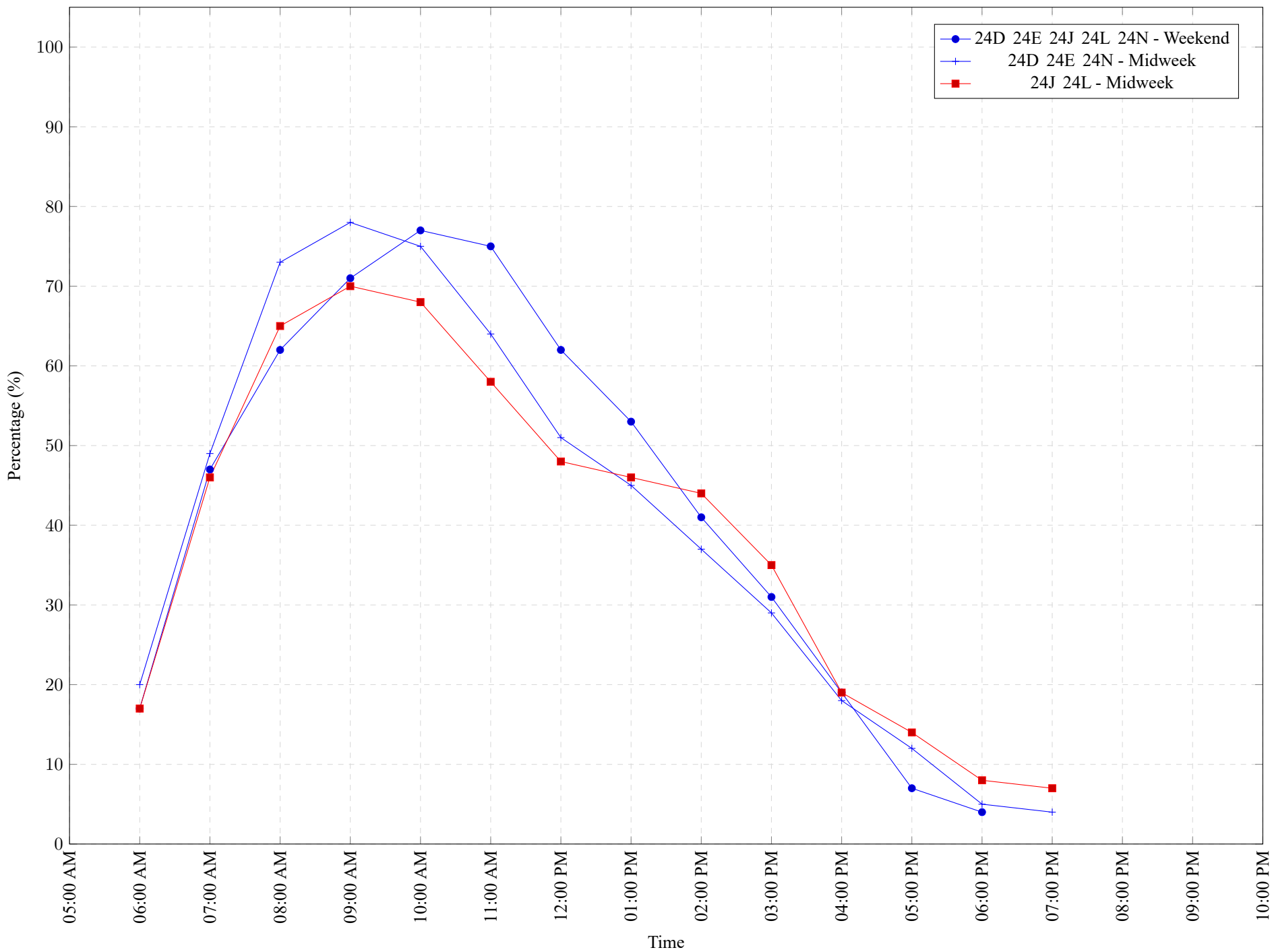


Table 7: Proportion of each day's fishing by hour.

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	24J	24L	24N	Weekend	17%	47%	62%	71%	77%	75%	62%	53%	41%	31%	19%	7%	4%	0%	0%	0%	0%
24D	24E	24N			Midweek	20%	49%	73%	78%	75%	64%	51%	45%	37%	29%	18%	12%	5%	4%	0%	0%	0%
24J	24L				Midweek	17%	46%	65%	70%	68%	58%	48%	46%	44%	35%	19%	14%	8%	7%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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