

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 24 August 2020



Prepared By:

South Coast Salmon Stock Assessment Section

Saturday 20th February, 2021



Fisheries and Oceans
Canada

Pêches et Océans
Canada

**your
catch
counts**

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

Date	Day Type	Fourth Street Dock		Island West		Method Marine			Tofino Resort and Marina			Ucluelet Gov Dock MD
		MD	PM	MD	PM	AM	MD	PM	AM	MD	PM	
29 Jul 2020	Midweek		5		2							
30 Jul 2020	Midweek											
31 Jul 2020	Midweek		3									
01 Aug 2020	Weekend									3		1
02 Aug 2020	Weekend							2				
03 Aug 2020	Weekend								4			
04 Aug 2020	Midweek											
05 Aug 2020	Midweek								9			
06 Aug 2020	Midweek									18		
07 Aug 2020	Midweek								8			
08 Aug 2020	Weekend									21		
09 Aug 2020	Weekend											
10 Aug 2020	Midweek									11		
11 Aug 2020	Midweek					3						1
12 Aug 2020	Midweek											
13 Aug 2020	Midweek	1										
14 Aug 2020	Midweek									23		
15 Aug 2020	Weekend			1						28		
16 Aug 2020	Weekend											
17 Aug 2020	Midweek											
18 Aug 2020	Midweek						10					
19 Aug 2020	Midweek										8	
20 Aug 2020	Midweek	4										
21 Aug 2020	Midweek											
22 Aug 2020	Weekend								6			
23 Aug 2020	Weekend							11				
24 Aug 2020	Midweek											
25 Aug 2020	Midweek										15	
26 Aug 2020	Midweek											
27 Aug 2020	Midweek									10		
28 Aug 2020	Midweek		3									
29 Aug 2020	Weekend									20		
30 Aug 2020	Weekend											
31 Aug 2020	Midweek											
01 Sep 2020	Midweek											
02 Sep 2020	Midweek									16		
03 Sep 2020	Midweek											

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-2020	Wednesday	calm/rippled	7	4						
30-Jul-2020	Thursday		0							
31-Jul-2020	Friday	calm/rippled	3	3						
01-Aug-2020	Saturday	choppy	4	6	1			3	1039	4
02-Aug-2020	Sunday	choppy	2	1				5	1057	6
03-Aug-2020	Monday (B.C. Day)	calm/rippled	4	1			1			
04-Aug-2020	Tuesday		0							
05-Aug-2020	Wednesday	calm/rippled	9	19	1		3	1	1037	1
06-Aug-2020	Thursday	frequent whitecaps	18	9	1					
07-Aug-2020	Friday	large swells	8	3						
08-Aug-2020	Saturday	large swells	21	14	5					
09-Aug-2020	Sunday		0							
10-Aug-2020	Monday	choppy	11	7	1					
11-Aug-2020	Tuesday	frequent whitecaps	4	5						
12-Aug-2020	Wednesday		0							
13-Aug-2020	Thursday	calm/rippled	1					6	1037	8
14-Aug-2020	Friday	calm/rippled	23	32						
15-Aug-2020	Saturday	calm/rippled	29	38	1		1	36	1030	49
16-Aug-2020	Sunday		0							
17-Aug-2020	Monday		0							
18-Aug-2020	Tuesday	calm/rippled	10	9	25					
19-Aug-2020	Wednesday	calm/rippled	8	9			3			
20-Aug-2020	Thursday	large swells	4	1						
21-Aug-2020	Friday		0							
22-Aug-2020	Saturday	choppy	6	5	2			6	1034	8
23-Aug-2020	Sunday	choppy	11	32						
24-Aug-2020	Monday		0							
25-Aug-2020	Tuesday	choppy	15	20			3			
26-Aug-2020	Wednesday		0							
27-Aug-2020	Thursday	calm/rippled	10	21						
28-Aug-2020	Friday	choppy	3	5				22	1045	29
29-Aug-2020	Saturday	frequent whitecaps	20	4	8			19	1110	25
30-Aug-2020	Sunday		0							
31-Aug-2020	Monday		0					9	0954	12
01-Sep-2020	Tuesday		0							
02-Sep-2020	Wednesday	choppy	16	4	3		2			
03-Sep-2020	Thursday		0					9	1133	11
	Totals	choppy	124	140	28		9	10*		13*
	Totals	choppy	97	101	17		2	14*		18*

* 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	13	20	260	1.1290	0.2260		0.0730	294	59		19
Weekend	18	11	198	1.0410	0.1750		0.0210	206	35		4

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	August	144	72	118		25
2016	August	191	116	145		72
2017	August	478	455	196	20	40
2018	August	1006	1882	558		18
2019	August	1104	1246	707	7	11
2020	August	523	594	123		19
5-Yr Avg	August	585	754	345	14	33

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
Chinook	78	15%	1%	164	31%	1%	1

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	272	77%
iRec Anglers	1300	62%

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

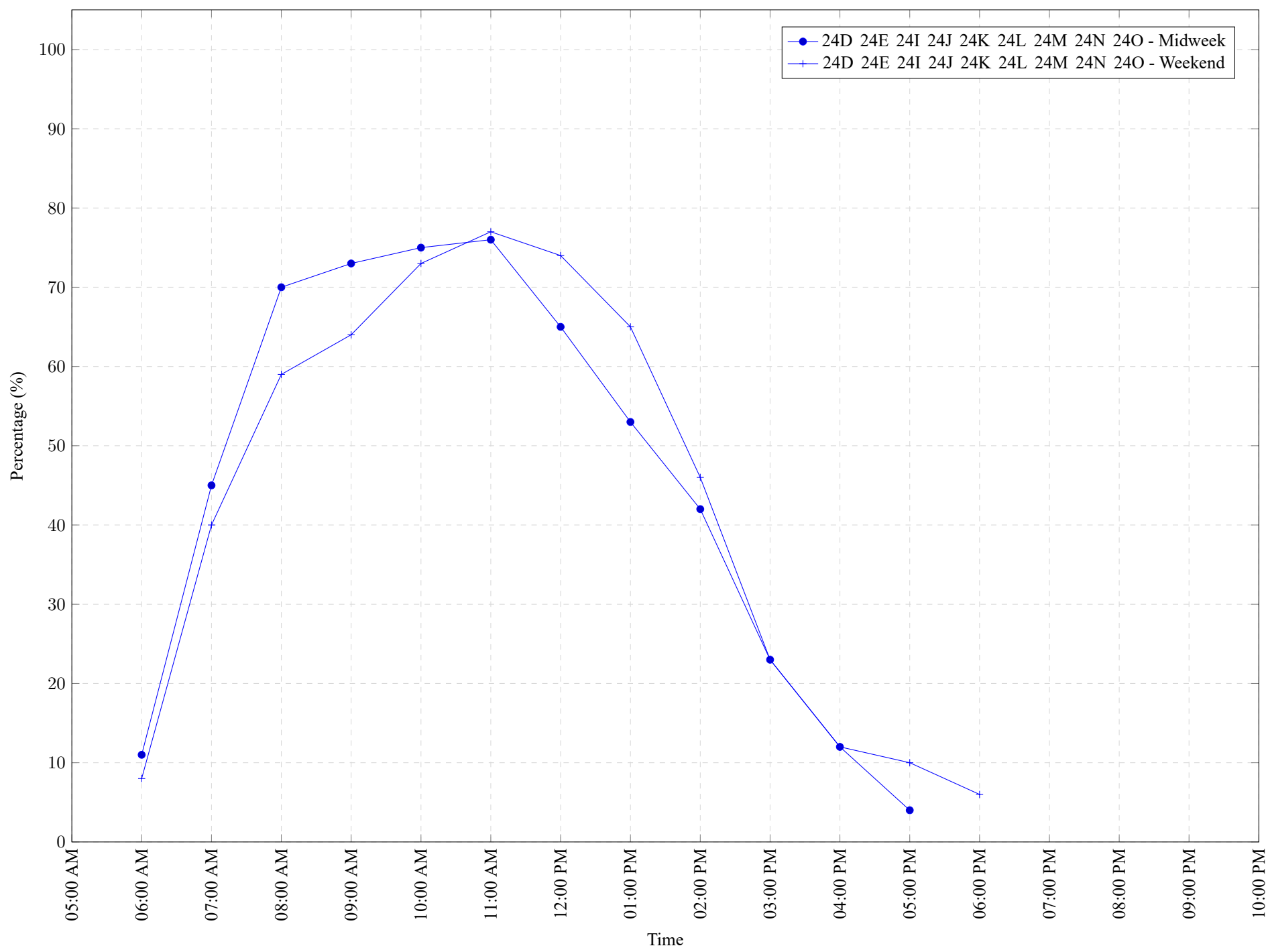


Table 7: Proportion of each day's fishing by hour.

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	24I	24J	24K	24L	24M	24N	24O		Midweek	11%	45%	70%	73%	75%	76%	65%	53%	42%	23%	12%	4%	0%	0%	0%	0%	0%
24D	24E	24I	24J	24K	24L	24M	24N	24O		Weekend	8%	40%	59%	64%	73%	77%	74%	65%	46%	23%	12%	10%	6%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Fourth Street Dock	Island West	Method Marine	Tofino Resort and Marina	Ucluelet Gov Dock
29 Jul 2020	Midweek	calm/rippled	calm/rippled			
30 Jul 2020	Midweek					
31 Jul 2020	Midweek	calm/rippled				
01 Aug 2020	Weekend				choppy	choppy
02 Aug 2020	Weekend			choppy		
03 Aug 2020	Weekend				calm/rippled	
04 Aug 2020	Midweek					
05 Aug 2020	Midweek				calm/rippled	
06 Aug 2020	Midweek				frequent whitecaps	
07 Aug 2020	Midweek				large swells	
08 Aug 2020	Weekend				large swells	
09 Aug 2020	Weekend					
10 Aug 2020	Midweek				choppy	
11 Aug 2020	Midweek			large swells		choppy
12 Aug 2020	Midweek					
13 Aug 2020	Midweek	calm/rippled				
14 Aug 2020	Midweek				calm/rippled	
15 Aug 2020	Weekend		calm/rippled		calm/rippled	
16 Aug 2020	Weekend					
17 Aug 2020	Midweek					
18 Aug 2020	Midweek			calm/rippled		
19 Aug 2020	Midweek				calm/rippled	
20 Aug 2020	Midweek	large swells				
21 Aug 2020	Midweek					
22 Aug 2020	Weekend				choppy	
23 Aug 2020	Weekend			choppy		
24 Aug 2020	Midweek					
25 Aug 2020	Midweek				choppy	
26 Aug 2020	Midweek					
27 Aug 2020	Midweek				calm/rippled	
28 Aug 2020	Midweek	choppy				
29 Aug 2020	Weekend				frequent whitecaps	
30 Aug 2020	Weekend					
31 Aug 2020	Midweek					
01 Sep 2020	Midweek					
02 Sep 2020	Midweek				choppy	
03 Sep 2020	Midweek					