

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 24 July 2020



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*Prepared By:*

South Coast Salmon Stock Assessment Section

Saturday 20<sup>th</sup> February, 2021



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

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

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-2020	Sunday		0							
29-Jun-2020	Monday		0							
30-Jun-2020	Tuesday		0					11	1020	18
01-Jul-2020	Wednesday (Canada Day)		0							
02-Jul-2020	Thursday	calm/rippled	1							
03-Jul-2020	Friday	choppy	6	5						
04-Jul-2020	Saturday	calm/rippled	23	6			8	9	1033	11
05-Jul-2020	Sunday	calm/rippled	3							
06-Jul-2020	Monday		0							
07-Jul-2020	Tuesday	calm/rippled	12	10			2	13	1030	22
08-Jul-2020	Wednesday	calm/rippled	2							
09-Jul-2020	Thursday	calm/rippled	17	9	2		3			
10-Jul-2020	Friday		0							
11-Jul-2020	Saturday		0					8	1025	11
12-Jul-2020	Sunday	calm/rippled	13	7						
13-Jul-2020	Monday	choppy	3	1						
14-Jul-2020	Tuesday	choppy	2							
15-Jul-2020	Wednesday	frequent whitecaps	22	20	3		1			
16-Jul-2020	Thursday	calm/rippled	23	11	1					
17-Jul-2020	Friday		0					16	1031	26
18-Jul-2020	Saturday	choppy	12	2	7					
19-Jul-2020	Sunday	calm/rippled	1	1						
20-Jul-2020	Monday		1	6				5	1031	9
21-Jul-2020	Tuesday	frequent whitecaps	4	6	2					
22-Jul-2020	Wednesday		0							
23-Jul-2020	Thursday	calm/rippled	20	13	1					
24-Jul-2020	Friday		0							
25-Jul-2020	Saturday	calm/rippled	20	27	2		2			
26-Jul-2020	Sunday		0					16	1021	24
27-Jul-2020	Monday		0							
28-Jul-2020	Tuesday	calm/rippled	21	25	1		2			
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	7
03-Aug-2020	Monday (B.C. Day)	calm/rippled	4	1			1			
	Totals	choppy	144	113	10		8	11*		19*
	Totals	calm/rippled	72	43	9		10	11*		15*

\* 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	15	9	135	0.5970	0.1250		0.1390	81	17		19
Midweek	19	22	418	0.7850	0.0690		0.0560	328	29		23

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	July	323	357	230		54
2016	July	552	544	453		21
2017	July	635	813	276		125
2018	July	2403	1873	811		68
2019	July	1280	1440	1738		147
2020	July	590	453	45		53
5-Yr Avg	July	1039	1005	702		83

**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	10	22%	10%	3	2%	33%	1
Chinook	91	20%	14%	22	5%	59%	13

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	245	73%
iRec Anglers	1379	64%

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

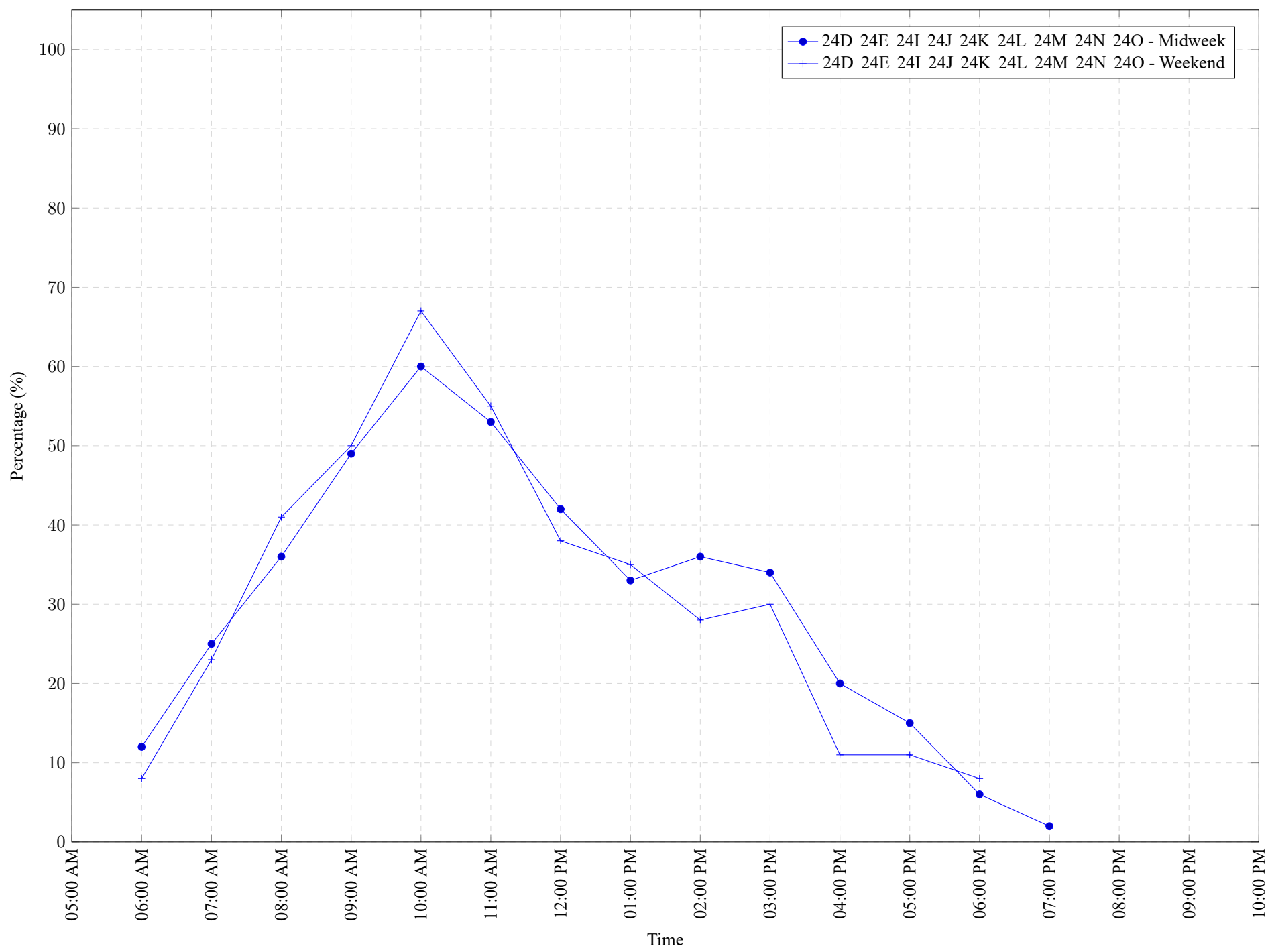


Table 7: Proportion of each day’s fishing by hour.

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	12%	25%	36%	49%	60%	53%	42%	33%	36%	34%	20%	15%	6%	2%	0%	0%	0%
24D	24E	24I	24J	24K	24L	24M	24N	24O		Weekend	8%	23%	41%	50%	67%	55%	38%	35%	28%	30%	11%	11%	8%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

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