

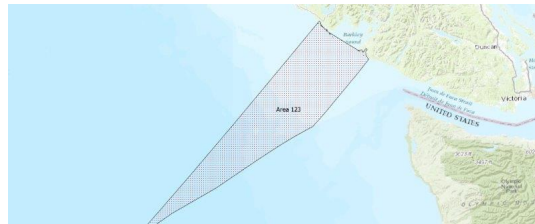
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 123 August 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.

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

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	13	22	41		10			
30-Jul-2020	Thursday	calm/rippled	17	59	31		20			
31-Jul-2020	Friday	calm/rippled	11	38	20		9			
01-Aug-2020	Saturday	choppy	17	40	70		23	24	1014	28
02-Aug-2020	Sunday		2	4	4			10	1019	12
03-Aug-2020	Monday (B.C. Day)	calm/rippled	19	49	82		36			
04-Aug-2020	Tuesday	calm/rippled	2	7	10					
05-Aug-2020	Wednesday		2	11	12		3	4	1006	6
06-Aug-2020	Thursday	choppy	9	25	34		18			
07-Aug-2020	Friday	choppy	6	21	10		9			
08-Aug-2020	Saturday	choppy	22	85	56		37			
09-Aug-2020	Sunday	choppy	1							
10-Aug-2020	Monday		0							
11-Aug-2020	Tuesday	choppy	5	8	3		2			
12-Aug-2020	Wednesday	calm/rippled	8	14	6		19			
13-Aug-2020	Thursday	calm/rippled	14	25	22		21	73	0931	107
14-Aug-2020	Friday	calm/rippled	10	16	16		17			
15-Aug-2020	Saturday	calm/rippled	2	3			3	69	0924	93
16-Aug-2020	Sunday		0							
17-Aug-2020	Monday		0							
18-Aug-2020	Tuesday	calm/rippled	1				3			
19-Aug-2020	Wednesday	calm/rippled	3	2			3			
20-Aug-2020	Thursday		0							
21-Aug-2020	Friday		0							
22-Aug-2020	Saturday	choppy	6	9	4		14	28	0932	34
23-Aug-2020	Sunday		0							
24-Aug-2020	Monday		0							
25-Aug-2020	Tuesday		0							
26-Aug-2020	Wednesday	choppy	2				9			
27-Aug-2020	Thursday	calm/rippled	5				10			
28-Aug-2020	Friday	calm/rippled	9	2	8		30	12	0943	18
29-Aug-2020	Saturday		0					0	0959	0
30-Aug-2020	Sunday		0							
31-Aug-2020	Monday	calm/rippled	1					9	0855	13
01-Sep-2020	Tuesday	choppy	2				3			
02-Sep-2020	Wednesday		0							
03-Sep-2020	Thursday	calm/rippled	4	8	15		7	9	1037	14
	Totals	calm/rippled	77	131	121		144	25*		36*
	Totals	choppy	69	190	216		113	26*		33*

\* 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	33	11	363	2.7540	3.13		1.6380	1000	1136		595
Midweek	36	20	720	1.7010	1.5710		1.87	1225	1131		1346

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	August	2123	6967	1712	11	934
2016	August	762	1422	321		286
2017	August	1501	4849	1740		1222
2018	August	3327	6738	8352	135	1956
2019	August	1635	3305	1467		1744
2020	August	1282	3132	2394		2228
5-Yr Avg	August	1870	4656	2718	73	1228

**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	2206	99%	6%	1765	94%	8%	142
Chinook	958	40%	13%	912	31%	13%	123

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	182	69%
iRec Anglers	4988	53%

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

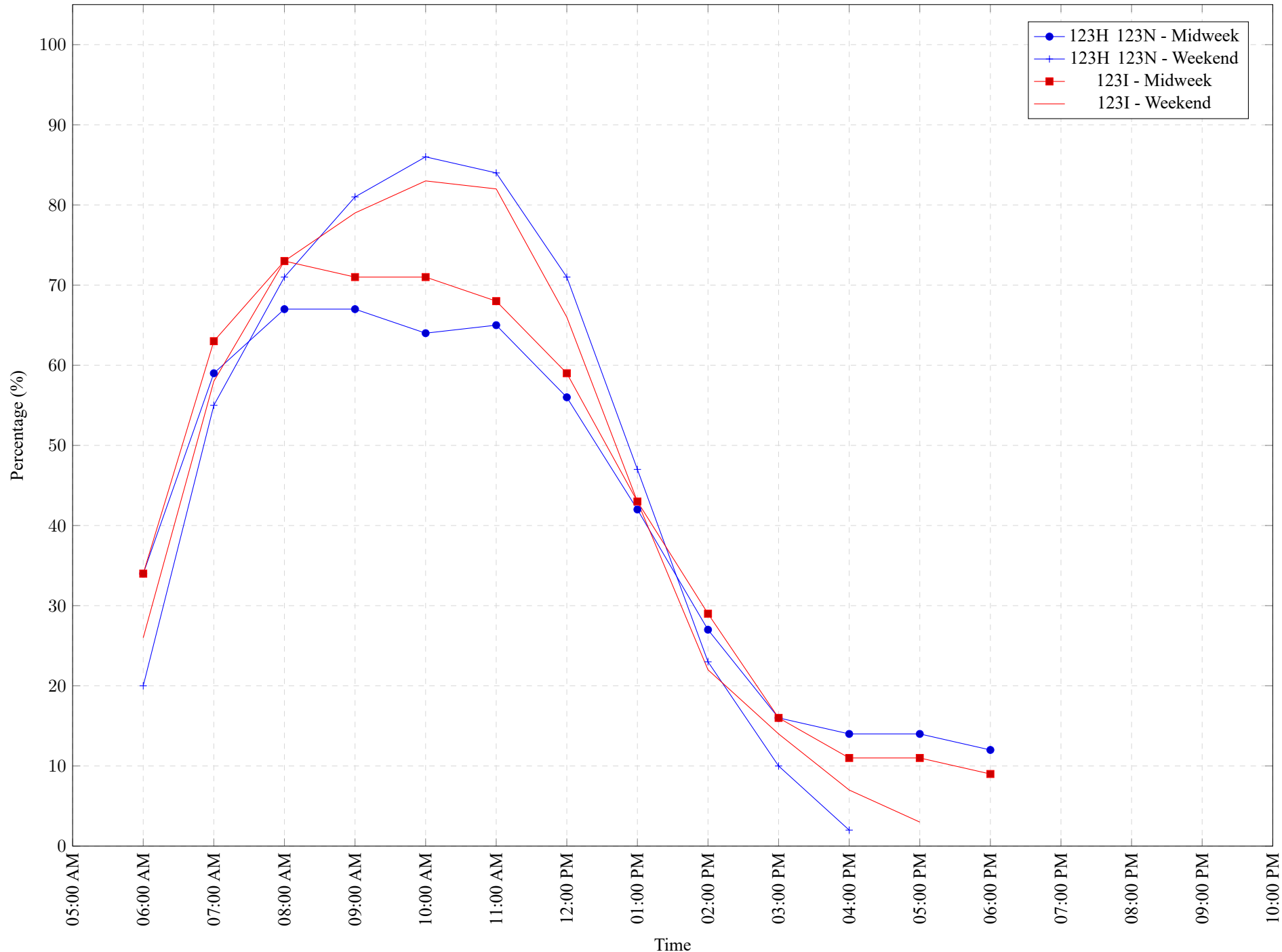


Table 7: Proportion of each day's fishing by hour.

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
123H	123N	Midweek	34%	59%	67%	67%	64%	65%	56%	42%	27%	16%	14%	14%	12%	0%	0%	0%	0%
123H	123N	Weekend	20%	55%	71%	81%	86%	84%	71%	47%	23%	10%	2%	0%	0%	0%	0%	0%	0%
	123I	Midweek	34%	63%	73%	71%	71%	68%	59%	43%	29%	16%	11%	11%	9%	0%	0%	0%	0%
	123I	Weekend	26%	58%	73%	79%	83%	82%	66%	43%	22%	14%	7%	3%	0%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	China Creek	Eagle Marine (Fuel Dock)	Fourth Street Dock	Island West	McKay Bay Gas Dock	Mills Landing	Tofino Resort and Marina	Ucluelet Gov Dock
29 Jul 2020	Midweek	choppy		calm/rippled	calm/rippled				
30 Jul 2020	Midweek								calm/rippled
31 Jul 2020	Midweek					calm/rippled			calm/rippled
01 Aug 2020	Weekend								choppy
02 Aug 2020	Weekend								
03 Aug 2020	Weekend					calm/rippled			calm/rippled
04 Aug 2020	Midweek						calm/rippled		
05 Aug 2020	Midweek								
06 Aug 2020	Midweek		choppy						
07 Aug 2020	Midweek				choppy				
08 Aug 2020	Weekend					calm/rippled		large swells	choppy
09 Aug 2020	Weekend								choppy
10 Aug 2020	Midweek								
11 Aug 2020	Midweek								choppy
12 Aug 2020	Midweek		calm/rippled				calm/rippled		
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								
21 Aug 2020	Midweek								
22 Aug 2020	Weekend							choppy	choppy
23 Aug 2020	Weekend								
24 Aug 2020	Midweek								
25 Aug 2020	Midweek								
26 Aug 2020	Midweek								choppy
27 Aug 2020	Midweek		calm/rippled					calm/rippled	
28 Aug 2020	Midweek								calm/rippled
29 Aug 2020	Weekend								
30 Aug 2020	Weekend								
31 Aug 2020	Midweek					calm/rippled			
01 Sep 2020	Midweek								choppy
02 Sep 2020	Midweek								
03 Sep 2020	Midweek					choppy			calm/rippled