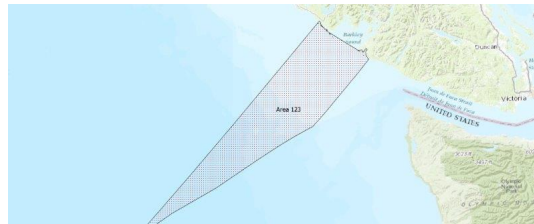


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 123 July 2020



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 20th February, 2021



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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		AM	MD	PM	AM	MD	PM	MD	MD	AM	MD	PM
28 Jun 2020	Weekend																
29 Jun 2020	Midweek																
30 Jun 2020	Midweek																
01 Jul 2020	Weekend																
02 Jul 2020	Midweek															3	
03 Jul 2020	Midweek		4														
04 Jul 2020	Weekend															7	
05 Jul 2020	Weekend																
06 Jul 2020	Midweek							2									
07 Jul 2020	Midweek			10										2			
08 Jul 2020	Midweek										1						
09 Jul 2020	Midweek																
10 Jul 2020	Midweek																3
11 Jul 2020	Weekend															1	
12 Jul 2020	Weekend						2										
13 Jul 2020	Midweek									1							
14 Jul 2020	Midweek																
15 Jul 2020	Midweek																
16 Jul 2020	Midweek															7	
17 Jul 2020	Midweek		2														
18 Jul 2020	Weekend											2				11	
19 Jul 2020	Weekend																
20 Jul 2020	Midweek																
21 Jul 2020	Midweek																
22 Jul 2020	Midweek															11	
23 Jul 2020	Midweek			11													
24 Jul 2020	Midweek							6									
25 Jul 2020	Weekend															1	
26 Jul 2020	Weekend			19													
27 Jul 2020	Midweek																
28 Jul 2020	Midweek		5										1				
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	

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					0	0942	0
01-Jul-2020	Wednesday (Canada Day)		0							
02-Jul-2020	Thursday	calm/rippled	3	1			5			
03-Jul-2020	Friday	choppy	4				6			
04-Jul-2020	Saturday	calm/rippled	7	9			14	5	0926	5
05-Jul-2020	Sunday		0							
06-Jul-2020	Monday	calm/rippled	2				4			
07-Jul-2020	Tuesday	calm/rippled	12	4	11		18	31	0927	41
08-Jul-2020	Wednesday	calm/rippled	1				2			
09-Jul-2020	Thursday		0							
10-Jul-2020	Friday	calm/rippled	3		6		8			
11-Jul-2020	Saturday	choppy	1					1	0925	1
12-Jul-2020	Sunday	calm/rippled	2		1		1			
13-Jul-2020	Monday	choppy	1							
14-Jul-2020	Tuesday		0							
15-Jul-2020	Wednesday		0							
16-Jul-2020	Thursday	calm/rippled	7	15	11		13			
17-Jul-2020	Friday	choppy	2	6			4	20	0922	27
18-Jul-2020	Saturday	choppy	11	17	1		27			
19-Jul-2020	Sunday	calm/rippled	3	10						
20-Jul-2020	Monday		1	3				29	0927	39
21-Jul-2020	Tuesday		1	4	2					
22-Jul-2020	Wednesday	choppy	13	54	15		23			
23-Jul-2020	Thursday	choppy	11	45	7		25			
24-Jul-2020	Friday	choppy	6	6	8		6			
25-Jul-2020	Saturday	calm/rippled	1	1						
26-Jul-2020	Sunday	calm/rippled	19	69	22		24	53	0920	61
27-Jul-2020	Monday		0							
28-Jul-2020	Tuesday	choppy	6	33	23		6			
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			
	Totals	calm/rippled	114	290	175		159	27*		36*
	Totals	calm/rippled	44	106	24		66	20*		22*

* 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	36	22	792	2.5440	1.5350		1.3950	2015	1216		1105
Weekend	22	9	198	2.4090	0.5450		1.50	477	108		297

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	July	1581	5650	1073	13	1699
2016	July	1113	3090	561	19	890
2017	July	1906	7353	1651	38	2577
2018	July	1666	4736	2007		1885
2019	July	1594	4055	679		2029
2020	July	958	2374	1155		1728
5-Yr Avg	July	1572	4977	1194	23	1816

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	1049	92%	6%	1340	89%	4%	60
Chinook	704	43%	15%	448	23%	24%	108

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	205	65%
iRec Anglers	2820	54%

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

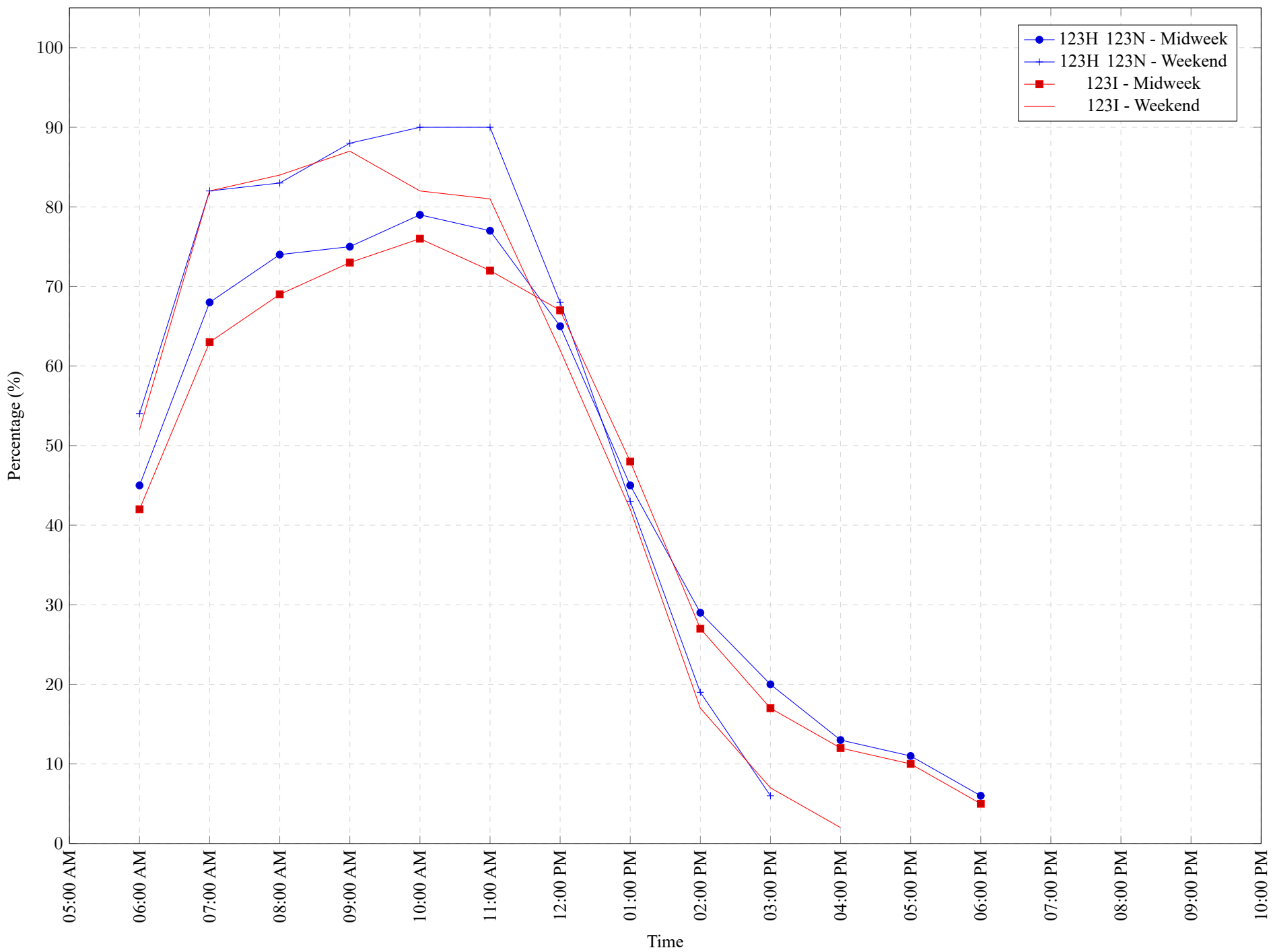


Table 7: Proportion of each day's fishing by hour.

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	45%	68%	74%	75%	79%	77%	65%	45%	29%	20%	13%	11%	6%	0%	0%	0%	0%
123H	123N	Weekend	54%	82%	83%	88%	90%	90%	68%	43%	19%	6%	0%	0%	0%	0%	0%	0%	0%
	123I	Midweek	42%	63%	69%	73%	76%	72%	67%	48%	27%	17%	12%	10%	5%	0%	0%	0%	0%
	123I	Weekend	52%	82%	84%	87%	82%	81%	62%	42%	17%	7%	2%	0%	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
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								
06 Jul 2020	Midweek				calm/rippled				
07 Jul 2020	Midweek		calm/rippled					calm/rippled	
08 Jul 2020	Midweek					calm/rippled			
09 Jul 2020	Midweek								
10 Jul 2020	Midweek								calm/rippled
11 Jul 2020	Weekend								choppy
12 Jul 2020	Weekend				calm/rippled				
13 Jul 2020	Midweek					choppy			
14 Jul 2020	Midweek								
15 Jul 2020	Midweek								
16 Jul 2020	Midweek								calm/rippled
17 Jul 2020	Midweek		choppy						
18 Jul 2020	Weekend								choppy
19 Jul 2020	Weekend					calm/rippled			
20 Jul 2020	Midweek								
21 Jul 2020	Midweek								
22 Jul 2020	Midweek								choppy
23 Jul 2020	Midweek		choppy						
24 Jul 2020	Midweek				choppy				
25 Jul 2020	Weekend								calm/rippled
26 Jul 2020	Weekend		calm/rippled						
27 Jul 2020	Midweek								
28 Jul 2020	Midweek		choppy				choppy		
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