

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 123 July 2019



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



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Canada

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Canada



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

Date	Day Type	Clutesi Ramp	Eagle Marine (Fuel Dock)		Island West		McKay Bay Gas Dock	Tofino Resort and Marina	Ucluelet Gov Dock	
		PM	MD	PM	AM	MD	PM	PM	MD	PM
28 Jun 2019	Midweek								2	
29 Jun 2019	Weekend		2							
30 Jun 2019	Weekend									
01 Jul 2019	Weekend									
02 Jul 2019	Midweek									
03 Jul 2019	Midweek								3	
04 Jul 2019	Midweek		2							
05 Jul 2019	Midweek					1				
06 Jul 2019	Weekend									
07 Jul 2019	Weekend									
08 Jul 2019	Midweek									
09 Jul 2019	Midweek									
10 Jul 2019	Midweek									
11 Jul 2019	Midweek							1		
12 Jul 2019	Midweek									
13 Jul 2019	Weekend									
14 Jul 2019	Weekend									
15 Jul 2019	Midweek									1
16 Jul 2019	Midweek									
17 Jul 2019	Midweek									
18 Jul 2019	Midweek								1	
19 Jul 2019	Midweek		1							
20 Jul 2019	Weekend									
21 Jul 2019	Weekend								1	
22 Jul 2019	Midweek					9				
23 Jul 2019	Midweek		3							
24 Jul 2019	Midweek									
25 Jul 2019	Midweek									
26 Jul 2019	Midweek				1					
27 Jul 2019	Weekend									
28 Jul 2019	Weekend	1		1			1			
29 Jul 2019	Midweek									
30 Jul 2019	Midweek								1	
31 Jul 2019	Midweek		2							
01 Aug 2019	Midweek								2	
02 Aug 2019	Midweek									
03 Aug 2019	Weekend								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
28-Jun-2019	Friday	calm/rippled	5				14			
29-Jun-2019	Saturday	calm/rippled	3				3	0	0943	0
30-Jun-2019	Sunday		1				3			
01-Jul-2019	Monday (Canada Day)		1				3			
02-Jul-2019	Tuesday		1	2						
03-Jul-2019	Wednesday	calm/rippled	6				9	6	0848	18
04-Jul-2019	Thursday	calm/rippled	2				6			
05-Jul-2019	Friday	calm/rippled	2				5			
06-Jul-2019	Saturday		3				12	7	0953	18
07-Jul-2019	Sunday		2	3			1			
08-Jul-2019	Monday		1				4			
09-Jul-2019	Tuesday		0					1	0922	3
10-Jul-2019	Wednesday		0							
11-Jul-2019	Thursday	calm/rippled	1							
12-Jul-2019	Friday		4				10			
13-Jul-2019	Saturday		2	12	6		3	10	0849	30
14-Jul-2019	Sunday		0							
15-Jul-2019	Monday	calm/rippled	4	2	3		3			
16-Jul-2019	Tuesday		4	8	6		5			
17-Jul-2019	Wednesday		0							
18-Jul-2019	Thursday	frequent whitecaps	1	3	1		1	3	0925	8
19-Jul-2019	Friday	calm/rippled	1				1			
20-Jul-2019	Saturday		7	16	4		12	25	0935	70
21-Jul-2019	Sunday	calm/rippled	5	10	1		8			
22-Jul-2019	Monday	calm/rippled	19	63	21		46	56	0933	149
23-Jul-2019	Tuesday	choppy	10	54	22		20			
24-Jul-2019	Wednesday		2				7			
25-Jul-2019	Thursday		1				2			
26-Jul-2019	Friday	calm/rippled	27	59	8		26			
27-Jul-2019	Saturday		4	19	3		6	34	0932	96
28-Jul-2019	Sunday	choppy	4	4	6		3			
29-Jul-2019	Monday		0							
30-Jul-2019	Tuesday	choppy	4	6	1		12	37	0930	99
31-Jul-2019	Wednesday	calm/rippled	6	11	5		5			
01-Aug-2019	Thursday	calm/rippled	2		3					
02-Aug-2019	Friday		0							
03-Aug-2019	Saturday	calm/rippled	6	26	18		21			
	Totals	calm/rippled	96	208	67		162	21*		55*
	Totals	choppy	28	64	20		48	19*		54*

* 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	55	22	1210	2.1670	0.6980		1.6880	2622	845		2042
Weekend	54	9	486	2.2860	0.7140		1.7140	1111	347		833

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	July	984	2819	1906		1396
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
5-Yr Avg	July	1450	4730	1440	23	1689

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	547	81%	12%	1120	92%	6%	66
Chinook	1694	52%	14%	1165	30%	20%	237

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	387	51%
iRec Anglers	4778	50%
iRec Responses	151	19%

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

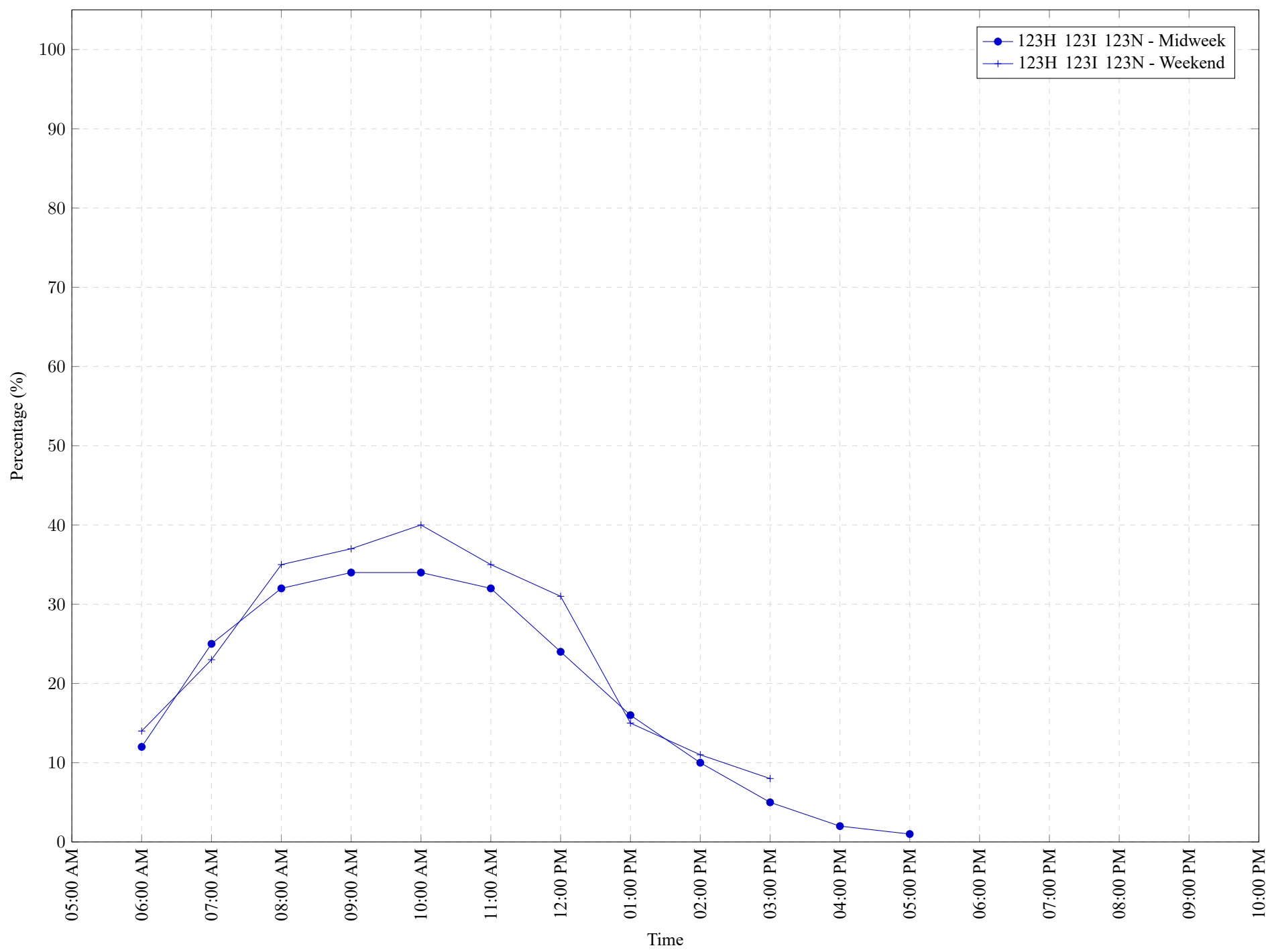


Table 7: Proportion of each day's fishing by hour.

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	123I	123N	Midweek	12%	25%	32%	34%	34%	32%	24%	16%	10%	5%	2%	1%	0%	0%	0%	0%	0%
123H	123I	123N	Weekend	14%	23%	35%	37%	40%	35%	31%	15%	11%	8%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Clutesi Ramp	Eagle Marine (Fuel Dock)	Island West	McKay Bay Gas Dock	Tofino Resort and Marina	Ucluelet Gov Dock
28 Jun 2019	Midweek						calm/rippled
29 Jun 2019	Weekend		calm/rippled				
30 Jun 2019	Weekend						
01 Jul 2019	Weekend						
02 Jul 2019	Midweek						
03 Jul 2019	Midweek						calm/rippled
04 Jul 2019	Midweek		calm/rippled				
05 Jul 2019	Midweek			calm/rippled			
06 Jul 2019	Weekend						
07 Jul 2019	Weekend						
08 Jul 2019	Midweek						
09 Jul 2019	Midweek						
10 Jul 2019	Midweek						
11 Jul 2019	Midweek					calm/rippled	
12 Jul 2019	Midweek						
13 Jul 2019	Weekend						
14 Jul 2019	Weekend						
15 Jul 2019	Midweek						calm/rippled
16 Jul 2019	Midweek						
17 Jul 2019	Midweek						
18 Jul 2019	Midweek						frequent whitecaps
19 Jul 2019	Midweek		calm/rippled				
20 Jul 2019	Weekend						
21 Jul 2019	Weekend						calm/rippled
22 Jul 2019	Midweek			calm/rippled			
23 Jul 2019	Midweek		choppy				
24 Jul 2019	Midweek						
25 Jul 2019	Midweek						
26 Jul 2019	Midweek			calm/rippled			
27 Jul 2019	Weekend						
28 Jul 2019	Weekend	frequent whitecaps	calm/rippled		choppy		
29 Jul 2019	Midweek						
30 Jul 2019	Midweek						choppy
31 Jul 2019	Midweek		calm/rippled				
01 Aug 2019	Midweek						calm/rippled
02 Aug 2019	Midweek						
03 Aug 2019	Weekend						calm/rippled