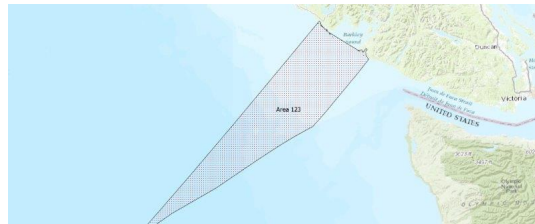


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 123 August 2019



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



Fisheries and Oceans
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		Ucluelet Gov Dock	
		AM	MD	PM	MD	PM	AM	MD	MD	PM
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	
04 Aug 2019	Weekend									
05 Aug 2019	Weekend	1		5						
06 Aug 2019	Midweek				5				1	
07 Aug 2019	Midweek		2						1	
08 Aug 2019	Midweek									
09 Aug 2019	Midweek				5				2	
10 Aug 2019	Weekend		3					1		
11 Aug 2019	Weekend		2							
12 Aug 2019	Midweek									
13 Aug 2019	Midweek				8		1			
14 Aug 2019	Midweek									
15 Aug 2019	Midweek									
16 Aug 2019	Midweek									
17 Aug 2019	Weekend					3				
18 Aug 2019	Weekend									
19 Aug 2019	Midweek			3						
20 Aug 2019	Midweek								1	
21 Aug 2019	Midweek									
22 Aug 2019	Midweek									
23 Aug 2019	Midweek					2		1		
24 Aug 2019	Weekend									
25 Aug 2019	Weekend								1	
26 Aug 2019	Midweek									
27 Aug 2019	Midweek									2
28 Aug 2019	Midweek									
29 Aug 2019	Midweek									
30 Aug 2019	Midweek		1							
31 Aug 2019	Weekend									
01 Sep 2019	Weekend									
02 Sep 2019	Weekend									
03 Sep 2019	Midweek								1	

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-2019	Monday		0							
30-Jul-2019	Tuesday	choppy	4	6	1		12	37	0930	75
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			
04-Aug-2019	Sunday		2	8	1		5	43	0930	91
05-Aug-2019	Monday (B.C. Day)	calm/rippled	10	18	2		12			
06-Aug-2019	Tuesday	calm/rippled	10	24	3		23			
07-Aug-2019	Wednesday	calm/rippled	4	16	7		4			
08-Aug-2019	Thursday		2	2				49	1012	103
09-Aug-2019	Friday	calm/rippled	9	20	7		14			
10-Aug-2019	Saturday	calm/rippled	5	14	10		3	41	0933	86
11-Aug-2019	Sunday	calm/rippled	3	6	4		4			
12-Aug-2019	Monday		4	11	6		10			
13-Aug-2019	Tuesday	calm/rippled	16	66	20		21			
14-Aug-2019	Wednesday		1	1			2			
15-Aug-2019	Thursday		0							
16-Aug-2019	Friday		0					0	0834	0
17-Aug-2019	Saturday	choppy	4	6	4		3	3	0913	6
18-Aug-2019	Sunday		0							
19-Aug-2019	Monday	choppy	5	9	6		4	30	1019	61
20-Aug-2019	Tuesday	choppy	3	6	4		3			
21-Aug-2019	Wednesday		0							
22-Aug-2019	Thursday		0							
23-Aug-2019	Friday	calm/rippled	7	2	10		16			
24-Aug-2019	Saturday		0					13	1101	29
25-Aug-2019	Sunday	choppy	1		1		1			
26-Aug-2019	Monday		1	5	1		2			
27-Aug-2019	Tuesday	choppy	3	1			4			
28-Aug-2019	Wednesday		0							
29-Aug-2019	Thursday		1				2			
30-Aug-2019	Friday	choppy	2				6			
31-Aug-2019	Saturday		0					9	0948	19
01-Sep-2019	Sunday		0							
02-Sep-2019	Monday (Labour Day)		1				3			
03-Sep-2019	Tuesday	calm/rippled	1	4	8					
	Totals	calm/rippled	70	163	67		111	26*		55*
	Totals	calm/rippled	31	78	40		49	22*		46*

* 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	46	10	460	2.5160	1.29		1.5810	1157	593		727
Midweek	55	21	1155	2.3290	0.9570		1.5860	2690	1105		1832

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	August	1140	3428	5011	33	1438
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
5-Yr Avg	August	1771	4681	3427	60	1167

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	768	57%	14%	1257	89%	8%	106
Chinook	917	32%	17%	1068	20%	15%	156

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	329	28%
iRec Anglers	5701	42%
iRec Responses	167	22%

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

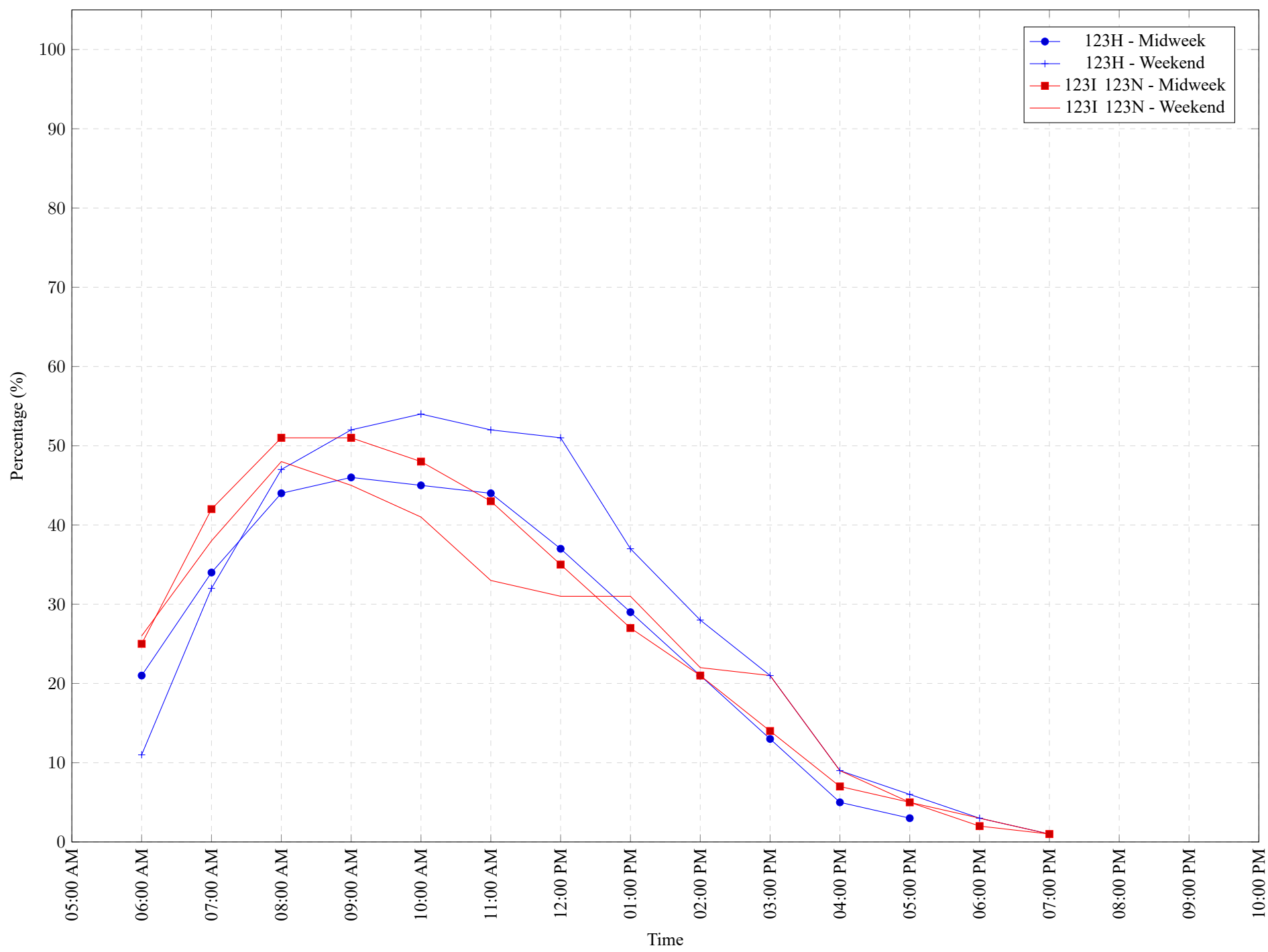


Table 7: Proportion of each day's fishing by hour.

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	Midweek	21%	34%	44%	46%	45%	44%	37%	29%	21%	13%	5%	3%	0%	0%	0%	0%	0%
123H	Weekend	11%	32%	47%	52%	54%	52%	51%	37%	28%	21%	9%	6%	3%	1%	0%	0%	0%
123I 123N	Midweek	25%	42%	51%	51%	48%	43%	35%	27%	21%	14%	7%	5%	2%	1%	0%	0%	0%
123I 123N	Weekend	26%	38%	48%	45%	41%	33%	31%	31%	22%	21%	9%	5%	3%	1%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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