

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 123 June 2019



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*Prepared By:*

South Coast Salmon Stock Assessment Section

Thursday 27<sup>th</sup> August, 2020



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

Date	Day Type	Eagle Marine (Fuel Dock)		Island West	Ucluelet Gov Dock
		MD	PM	MD	MD
29 May 2019	Midweek				
30 May 2019	Midweek				
31 May 2019	Midweek				
01 Jun 2019	Weekend				
02 Jun 2019	Weekend				
03 Jun 2019	Midweek	1			
04 Jun 2019	Midweek				
05 Jun 2019	Midweek				
06 Jun 2019	Midweek				
07 Jun 2019	Midweek				
08 Jun 2019	Weekend				1
09 Jun 2019	Weekend	1			
10 Jun 2019	Midweek			1	
11 Jun 2019	Midweek				
12 Jun 2019	Midweek				
13 Jun 2019	Midweek				
14 Jun 2019	Midweek				
15 Jun 2019	Weekend				
16 Jun 2019	Weekend				
17 Jun 2019	Midweek				
18 Jun 2019	Midweek				
19 Jun 2019	Midweek				
20 Jun 2019	Midweek				
21 Jun 2019	Midweek			1	
22 Jun 2019	Weekend		1		
23 Jun 2019	Weekend				
24 Jun 2019	Midweek				2
25 Jun 2019	Midweek				
26 Jun 2019	Midweek				
27 Jun 2019	Midweek				
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

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-May-2019	Wednesday		0							
30-May-2019	Thursday		0							
31-May-2019	Friday		0							
01-Jun-2019	Saturday		0							
02-Jun-2019	Sunday		0					2	1021	4
03-Jun-2019	Monday	frequent whitecaps	1				1			
04-Jun-2019	Tuesday		0					1	0920	2
05-Jun-2019	Wednesday		0							
06-Jun-2019	Thursday		0							
07-Jun-2019	Friday		1	1						
08-Jun-2019	Saturday	choppy	2	3				4	0928	7
09-Jun-2019	Sunday	calm/rippled	1							
10-Jun-2019	Monday	choppy	1				1			
11-Jun-2019	Tuesday		0							
12-Jun-2019	Wednesday		0					2	0921	4
13-Jun-2019	Thursday		0							
14-Jun-2019	Friday		2				3			
15-Jun-2019	Saturday		0					0	0829	0
16-Jun-2019	Sunday		0							
17-Jun-2019	Monday		3				3			
18-Jun-2019	Tuesday		0					0	0922	0
19-Jun-2019	Wednesday		0							
20-Jun-2019	Thursday		0							
21-Jun-2019	Friday	choppy	2	1	4		2			
22-Jun-2019	Saturday	choppy	1					0	1044	0
23-Jun-2019	Sunday		0							
24-Jun-2019	Monday	choppy	8				18	3	0931	6
25-Jun-2019	Tuesday		5				13			
26-Jun-2019	Wednesday		2		2		4			
27-Jun-2019	Thursday		2				6			
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	13
	Totals	choppy	32	2	6		65	2*		3*
	Totals	choppy	8	3			6	1*		2*

\* 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	3	20	60	0.0630	0.1880		2.0310	4	11		122
Weekend	2	10	20	0.3750			0.75	8			15

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	June	775	2710	629		1187
2015	June	687	1662	232		561
2016	June	447	1274	152	2	826
2017	June	464	808	184		575
2018	June	586	1436	289		374
2019	June	104	2	6		173
5-Yr Avg	June	592	1578	297	2	705

**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	2	33%	800%	125	87%	13%	16
Chinook	0	0%		245	42%	49%	120

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	57	67%
iRec Anglers	915	76%
iRec Responses	39	31%

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

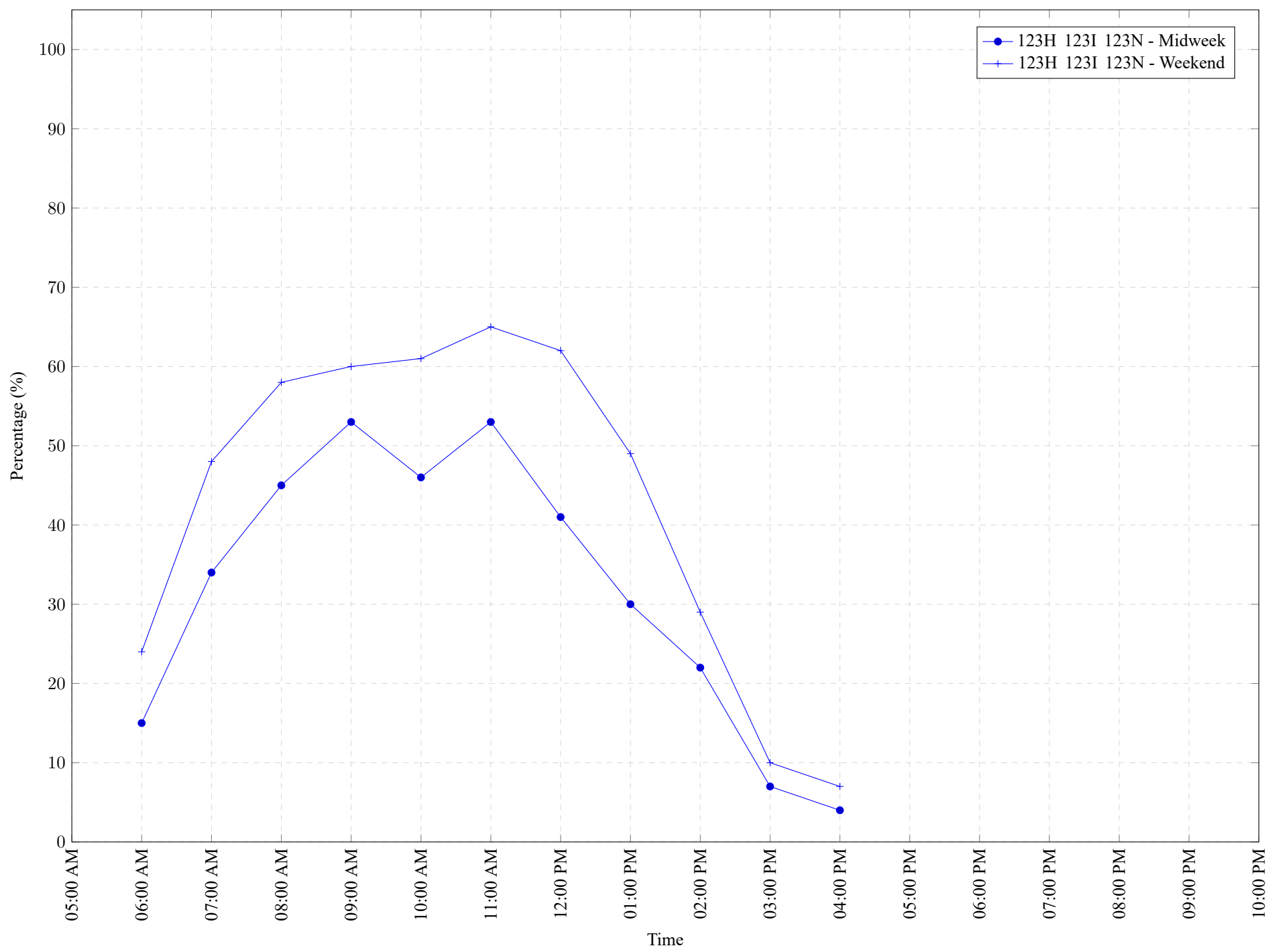


Table 7: Proportion of each day’s fishing by hour.

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	15%	34%	45%	53%	46%	53%	41%	30%	22%	7%	4%	0%	0%	0%	0%	0%	0%
123H	123I	123N	Weekend	24%	48%	58%	60%	61%	65%	62%	49%	29%	10%	7%	0%	0%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

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