

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 123 September 2021



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Thursday 19<sup>th</sup> January, 2023



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

Date	Day Type	Clutesi	Eagle Marine		Island West		McKay Bay Gas		Mills	Tofino Resort and		Ucluelet Gov	
		Ramp AM	(Fuel Dock) MD	PM	MD	PM	Dock MD	PM	Landing MD	Marina MD	PM	Dock AM	MD
29 Aug 2021	Weekend												
30 Aug 2021	Midweek		4										
31 Aug 2021	Midweek								1				11
01 Sep 2021	Midweek								1	3			
02 Sep 2021	Midweek											1	
03 Sep 2021	Midweek		9		5		1						
04 Sep 2021	Weekend	2											3
05 Sep 2021	Weekend				2		3						14
06 Sep 2021	Weekend					4							
07 Sep 2021	Midweek			11							1		
08 Sep 2021	Midweek												
09 Sep 2021	Midweek												6
10 Sep 2021	Midweek				3								
11 Sep 2021	Weekend						2			2			
12 Sep 2021	Weekend												
13 Sep 2021	Midweek												
14 Sep 2021	Midweek									1			
15 Sep 2021	Midweek												
16 Sep 2021	Midweek							1					
17 Sep 2021	Midweek												
18 Sep 2021	Weekend												
19 Sep 2021	Weekend												1
20 Sep 2021	Midweek												
21 Sep 2021	Midweek												
22 Sep 2021	Midweek												
23 Sep 2021	Midweek												5
24 Sep 2021	Midweek												
25 Sep 2021	Weekend									1			
26 Sep 2021	Weekend												
27 Sep 2021	Midweek												
28 Sep 2021	Midweek												
29 Sep 2021	Midweek												
30 Sep 2021	Midweek												
01 Oct 2021	Midweek												
02 Oct 2021	Weekend												
03 Oct 2021	Weekend												

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-Aug-2021	Sunday		1							
30-Aug-2021	Monday	frequent whitecaps	4	17						
31-Aug-2021	Tuesday	choppy	12	30	4		4	27	0916	36
01-Sep-2021	Wednesday	calm/rippled	4		9		6			
02-Sep-2021	Thursday	calm/rippled	2		2			31	0905	42
03-Sep-2021	Friday	calm/rippled	15	20	9		13			
04-Sep-2021	Saturday	choppy	6	7	1			0	0807	0
05-Sep-2021	Sunday	choppy	19	35	16		21			
06-Sep-2021	Monday (Labour Day)	choppy	4	2				24	1026	33
07-Sep-2021	Tuesday	calm/rippled	12	12	31		17			
08-Sep-2021	Wednesday		0							
09-Sep-2021	Thursday	calm/rippled	6	6	4		6			
10-Sep-2021	Friday	calm/rippled	3	8			2			
11-Sep-2021	Saturday	choppy	4	4	3					
12-Sep-2021	Sunday		0					14	0911	19
13-Sep-2021	Monday		0							
14-Sep-2021	Tuesday	frequent whitecaps	1							
15-Sep-2021	Wednesday		0					5	1001	6
16-Sep-2021	Thursday	calm/rippled	1							
17-Sep-2021	Friday		0							
18-Sep-2021	Saturday		0					2	0857	3
19-Sep-2021	Sunday	frequent whitecaps	1							
20-Sep-2021	Monday		0					1	0919	1
21-Sep-2021	Tuesday		0					11	1000	15
22-Sep-2021	Wednesday		0							
23-Sep-2021	Thursday	calm/rippled	5	5	8		11			
24-Sep-2021	Friday		0							
25-Sep-2021	Saturday	calm/rippled	1				1			
26-Sep-2021	Sunday		0							
27-Sep-2021	Monday		0							
28-Sep-2021	Tuesday		0					0	0941	0
29-Sep-2021	Wednesday		0							
30-Sep-2021	Thursday		0							
01-Oct-2021	Friday		0							
02-Oct-2021	Saturday		0							
03-Oct-2021	Sunday		0							
	Totals	calm/rippled	49	51	63		55	10*		13*
	Totals	choppy	35	48	20		22	10*		14*

\* 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	14	9	126	1.371	0.571		0.629	173	72		79
Midweek	13	21	273	1.041	1.286		1.122	284	351		306

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	September	326	604	134		31
2017	September	724	945	226		9
2018	September	269	125	63		160
2019	September	1814	1251	359		9
2020	September	674	752	538		914
2021	September	450	544	715		542
5-Yr Avg	September	761	735	264		225

**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	631	88%	5%	483	77%	7%	34
Chinook	172	34%	15%	184	44%	14%	26

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	84	60%
iRec Anglers	1388	41%

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

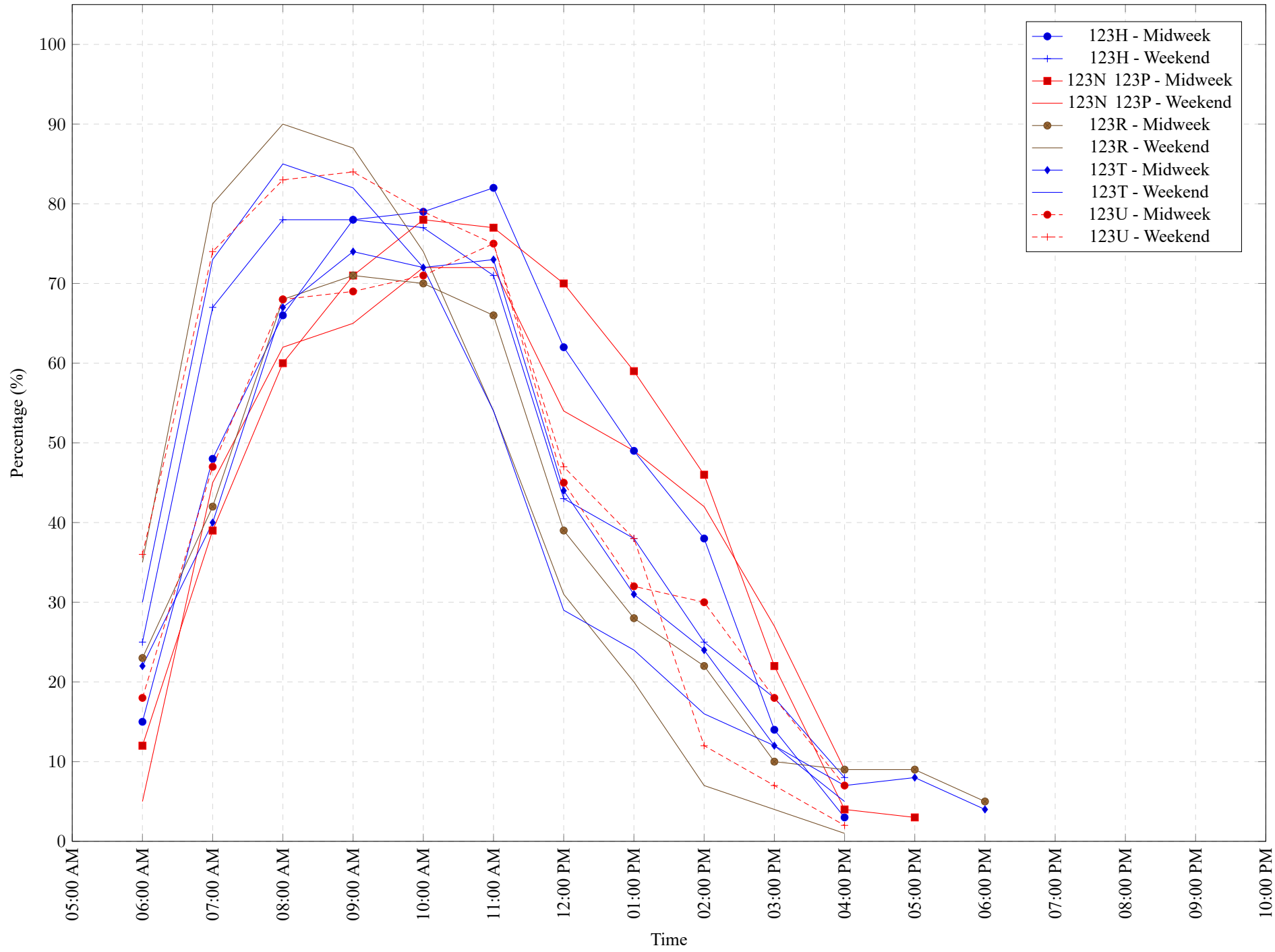


Table 7: Proportion of each day's fishing by hour.

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	15%	48%	66%	78%	79%	82%	62%	49%	38%	14%	3%	0%	0%	0%	0%	0%	0%
123H	Weekend	25%	67%	78%	78%	77%	71%	43%	38%	25%	18%	8%	0%	0%	0%	0%	0%	0%
123N 123P	Midweek	12%	39%	60%	71%	78%	77%	70%	59%	46%	22%	4%	3%	0%	0%	0%	0%	0%
123N 123P	Weekend	5%	45%	62%	65%	72%	72%	54%	49%	42%	27%	9%	0%	0%	0%	0%	0%	0%
123R	Midweek	23%	42%	68%	71%	70%	66%	39%	28%	22%	10%	9%	9%	5%	0%	0%	0%	0%
123R	Weekend	35%	80%	90%	87%	74%	54%	31%	20%	7%	4%	1%	0%	0%	0%	0%	0%	0%
123T	Midweek	22%	40%	67%	74%	72%	73%	44%	31%	24%	12%	7%	8%	4%	0%	0%	0%	0%
123T	Weekend	30%	73%	85%	82%	72%	54%	29%	24%	16%	12%	5%	0%	0%	0%	0%	0%	0%
123U	Midweek	18%	47%	68%	69%	71%	75%	45%	32%	30%	18%	7%	0%	0%	0%	0%	0%	0%
123U	Weekend	36%	74%	83%	84%	79%	75%	47%	38%	12%	7%	2%	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	Mills Landing	Tofino Resort and Marina	Ucluelet Gov Dock
29 Aug 2021	Weekend		frequent whitecaps			frequent whitecaps choppy	calm/rippled	choppy
30 Aug 2021	Midweek							
31 Aug 2021	Midweek							
01 Sep 2021	Midweek	choppy	calm/rippled	calm/rippled	choppy			calm/rippled
02 Sep 2021	Midweek							
03 Sep 2021	Midweek							
04 Sep 2021	Weekend			calm/rippled choppy	choppy			choppy choppy
05 Sep 2021	Weekend							
06 Sep 2021	Weekend							
07 Sep 2021	Midweek		calm/rippled				choppy	
08 Sep 2021	Midweek							
09 Sep 2021	Midweek							
10 Sep 2021	Midweek			calm/rippled				calm/rippled
11 Sep 2021	Weekend							
12 Sep 2021	Weekend							
13 Sep 2021	Midweek						frequent whitecaps	
14 Sep 2021	Midweek							
15 Sep 2021	Midweek							
16 Sep 2021	Midweek				calm/rippled			
17 Sep 2021	Midweek							
18 Sep 2021	Weekend							
19 Sep 2021	Weekend							frequent whitecaps
20 Sep 2021	Midweek							
21 Sep 2021	Midweek							
22 Sep 2021	Midweek							calm/rippled
23 Sep 2021	Midweek							
24 Sep 2021	Midweek							
25 Sep 2021	Weekend						calm/rippled	
26 Sep 2021	Weekend							
27 Sep 2021	Midweek							
28 Sep 2021	Midweek							
29 Sep 2021	Midweek							
30 Sep 2021	Midweek							
01 Oct 2021	Midweek							
02 Oct 2021	Weekend							
03 Oct 2021	Weekend							