

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 123 June 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	China Creek PM	Eagle Marine (Fuel Dock)			Island West		McKay Bay Gas Dock		Mills Landing		Poett Nook PM	Ucluelet Gov Dock		
			AM	MD	PM	MD	PM	MD	PM	MD	PM		AM	MD	PM
29 May 2021	Weekend														
30 May 2021	Weekend														
31 May 2021	Midweek														
01 Jun 2021	Midweek													3	
02 Jun 2021	Midweek														
03 Jun 2021	Midweek														
04 Jun 2021	Midweek												1		
05 Jun 2021	Weekend														
06 Jun 2021	Weekend														
07 Jun 2021	Midweek									1			5	11	
08 Jun 2021	Midweek							1							
09 Jun 2021	Midweek			4											
10 Jun 2021	Midweek				6										
11 Jun 2021	Midweek												1		
12 Jun 2021	Weekend														3
13 Jun 2021	Weekend														
14 Jun 2021	Midweek				2										
15 Jun 2021	Midweek								1						3
16 Jun 2021	Midweek							2							
17 Jun 2021	Midweek													10	
18 Jun 2021	Midweek						1								
19 Jun 2021	Weekend									3				9	
20 Jun 2021	Weekend			9											
21 Jun 2021	Midweek							1						3	
22 Jun 2021	Midweek						2								
23 Jun 2021	Midweek		1												
24 Jun 2021	Midweek													3	
25 Jun 2021	Midweek														7
26 Jun 2021	Weekend	2										1		17	
27 Jun 2021	Weekend				7				3					9	
28 Jun 2021	Midweek												1		
29 Jun 2021	Midweek			4									1		
30 Jun 2021	Midweek									3					
01 Jul 2021	Weekend														7
02 Jul 2021	Midweek						7								
03 Jul 2021	Weekend				8									14	

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-2021	Saturday		1							
30-May-2021	Sunday		0							
31-May-2021	Monday		0							
01-Jun-2021	Tuesday	choppy	3							
02-Jun-2021	Wednesday		0							
03-Jun-2021	Thursday		0							
04-Jun-2021	Friday	choppy	1					2	0858	2
05-Jun-2021	Saturday		0					1	0859	1
06-Jun-2021	Sunday		0							
07-Jun-2021	Monday	choppy	5	3			8			
08-Jun-2021	Tuesday	choppy	12	16			3	12	0844	17
09-Jun-2021	Wednesday	calm/rippled	5	11	5		10			
10-Jun-2021	Thursday	calm/rippled	8	4			5			
11-Jun-2021	Friday	frequent whitecaps	1	2						
12-Jun-2021	Saturday	choppy	4				3	2	0849	3
13-Jun-2021	Sunday		0							
14-Jun-2021	Monday	calm/rippled	3				2			
15-Jun-2021	Tuesday	calm/rippled	5	3			2			
16-Jun-2021	Wednesday	choppy	3				10			
17-Jun-2021	Thursday	choppy	11	18	4		3	17	0855	24
18-Jun-2021	Friday	choppy	2	12	3					
19-Jun-2021	Saturday	choppy	12	26			11	10	0853	15
20-Jun-2021	Sunday	choppy	9	5			17			
21-Jun-2021	Monday	choppy	4	4			4	14	0856	22
22-Jun-2021	Tuesday	choppy	4	4						
23-Jun-2021	Wednesday	calm/rippled	4	7			10			
24-Jun-2021	Thursday	choppy	6	6			11			
25-Jun-2021	Friday	choppy	8	14			4			
26-Jun-2021	Saturday	choppy	21	27	10		14	34	0858	49
27-Jun-2021	Sunday	calm/rippled	20	15	11		17			
28-Jun-2021	Monday	calm/rippled	3				11			
29-Jun-2021	Tuesday	choppy	5		2					
30-Jun-2021	Wednesday	choppy	3		4		7	14	0920	20
01-Jul-2021	Thursday (Canada Day)	calm/rippled	9	15	5		8			
02-Jul-2021	Friday	choppy	11	13	4					
03-Jul-2021	Saturday	frequent whitecaps	24	56	12	2	15			
	Totals	choppy	96	104	18		90	12*		17*
	Totals	choppy	66	73	21		62	12*		17*

\* 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	17	22	374	1.083	0.188		0.938	405	70		351
Weekend	17	8	136	1.106	0.318		0.939	150	43		128

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	June	599	1470	157	2	831
2017	June	788	1381	243		592
2018	June	1145	2807	501		405
2019	June	600	920	60		174
2020	June	361	136	19		373
2021	June	511	329	265		478
5-Yr Avg	June	699	1343	196	2	475

**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	248	94%	5%	89	86%	13%	12
Chinook	161	57%	18%	174	47%	17%	29

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	161	58%
iRec Anglers	943	30%

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

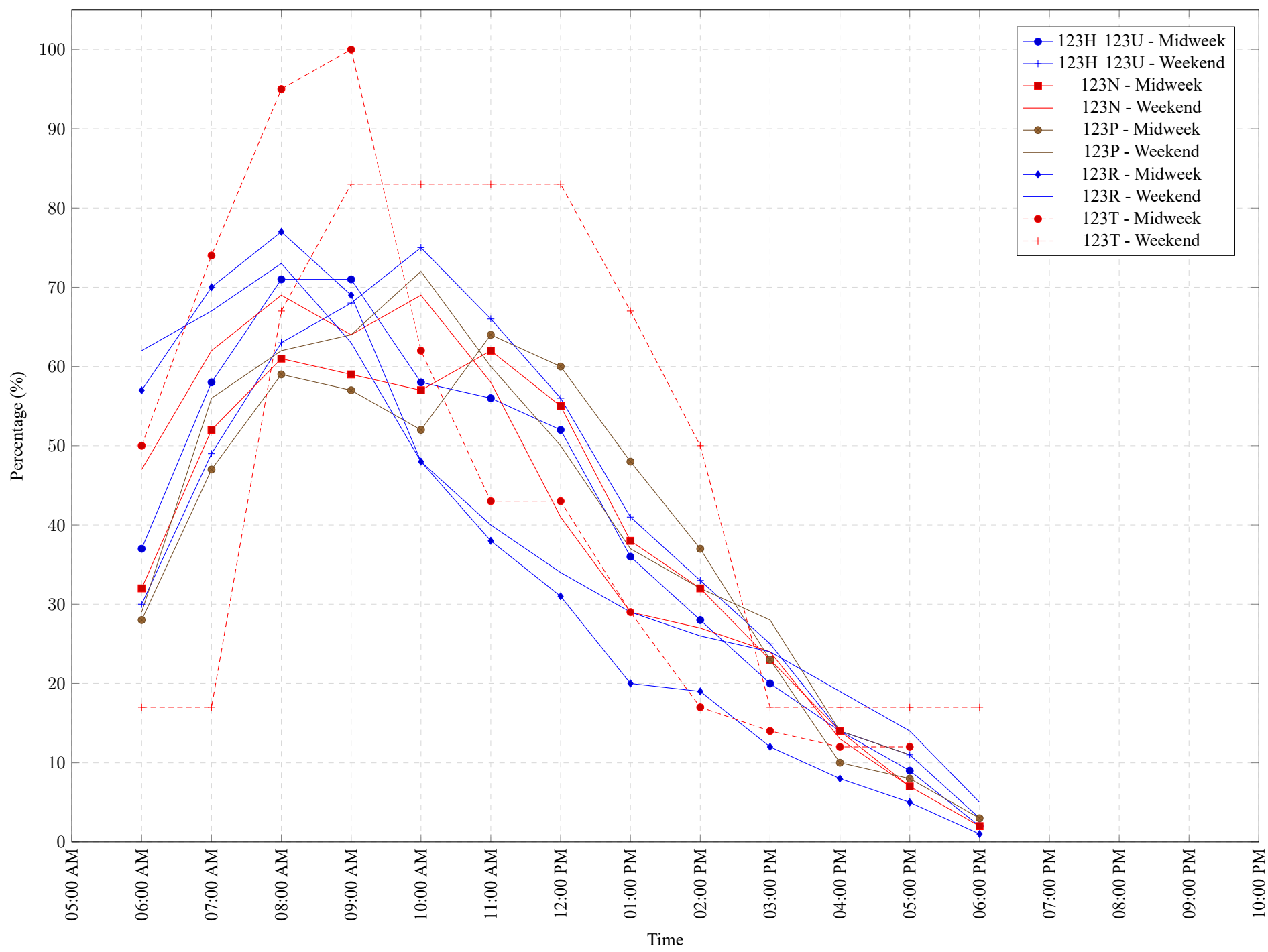


Table 7: Proportion of each day's fishing by hour.

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	123U	Midweek	37%	58%	71%	71%	58%	56%	52%	36%	28%	20%	14%	9%	2%	0%	0%	0%	0%
123H	123U	Weekend	30%	49%	63%	68%	75%	66%	56%	41%	33%	25%	14%	11%	3%	0%	0%	0%	0%
123N		Midweek	32%	52%	61%	59%	57%	62%	55%	38%	32%	23%	14%	7%	2%	0%	0%	0%	0%
123N		Weekend	47%	62%	69%	64%	69%	58%	41%	29%	27%	24%	13%	7%	0%	0%	0%	0%	0%
123P		Midweek	28%	47%	59%	57%	52%	64%	60%	48%	37%	23%	10%	8%	3%	0%	0%	0%	0%
123P		Weekend	29%	56%	62%	64%	72%	60%	50%	37%	32%	28%	14%	11%	0%	0%	0%	0%	0%
123R		Midweek	57%	70%	77%	69%	48%	38%	31%	20%	19%	12%	8%	5%	1%	0%	0%	0%	0%
123R		Weekend	62%	67%	73%	63%	48%	40%	34%	29%	26%	24%	19%	14%	5%	0%	0%	0%	0%
123T		Midweek	50%	74%	95%	100%	62%	43%	43%	29%	17%	14%	12%	12%	0%	0%	0%	0%	0%
123T		Weekend	17%	17%	67%	83%	83%	83%	83%	67%	50%	17%	17%	17%	17%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	China Creek	Eagle Marine (Fuel Dock)	Island West	McKay Bay Gas Dock	Mills Landing	Poett Nook	Ucluelet Gov Dock
29 May 2021	Weekend							
30 May 2021	Weekend							
31 May 2021	Midweek							
01 Jun 2021	Midweek							choppy
02 Jun 2021	Midweek							
03 Jun 2021	Midweek							
04 Jun 2021	Midweek							choppy
05 Jun 2021	Weekend							
06 Jun 2021	Weekend							
07 Jun 2021	Midweek							choppy
08 Jun 2021	Midweek					choppy		choppy
09 Jun 2021	Midweek		calm/rippled		calm/rippled			
10 Jun 2021	Midweek		calm/rippled					
11 Jun 2021	Midweek							frequent whitecaps
12 Jun 2021	Weekend							choppy
13 Jun 2021	Weekend							
14 Jun 2021	Midweek		calm/rippled					
15 Jun 2021	Midweek				choppy			calm/rippled
16 Jun 2021	Midweek				choppy			
17 Jun 2021	Midweek							choppy
18 Jun 2021	Midweek			choppy				
19 Jun 2021	Weekend					choppy		choppy
20 Jun 2021	Weekend		choppy					
21 Jun 2021	Midweek				choppy			choppy
22 Jun 2021	Midweek			choppy				
23 Jun 2021	Midweek		calm/rippled					
24 Jun 2021	Midweek							choppy
25 Jun 2021	Midweek							choppy
26 Jun 2021	Weekend	frequent whitecaps					choppy	choppy
27 Jun 2021	Weekend		calm/rippled		calm/rippled			calm/rippled
28 Jun 2021	Midweek							calm/rippled
29 Jun 2021	Midweek		choppy					calm/rippled
30 Jun 2021	Midweek					choppy		
01 Jul 2021	Weekend							calm/rippled
02 Jul 2021	Midweek			choppy				
03 Jul 2021	Weekend		choppy					frequent whitecaps