

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 123 August 2023



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Saturday 13<sup>th</sup> January, 2024



Fisheries and Oceans  
Canada

Pêches et Océans  
Canada



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

		China Creek	Clutesi Ramp			Fourth Street Dock	Harbour Quay - Derby Only	Island West		McKay Bay Gas Dock		Mills Landing		Pat Leslie Boat Launch		Poett Nook	Tofino Resort and Marina		Ucluelet Gov Dock				
Date	Day Type	MD	AM	MD	PM	PM	AM	MD	PM	AM	MD	PM	MD	PM	MD	PM	MD	PM	AM	MD	PM		
29 Jul 2023	Weekend									3			5						5			18	
30 Jul 2023	Weekend																						
31 Jul 2023	Midweek											13		9									
01 Aug 2023	Midweek																			22			
02 Aug 2023	Midweek			1						7									8				
03 Aug 2023	Midweek												2									8	
04 Aug 2023	Midweek							21		3													
05 Aug 2023	Weekend				1																		9
06 Aug 2023	Weekend																						
07 Aug 2023	Weekend																			14			
08 Aug 2023	Midweek										3								1				
09 Aug 2023	Midweek																						
10 Aug 2023	Midweek															6					15		
11 Aug 2023	Midweek												3						14				
12 Aug 2023	Weekend										8									21			
13 Aug 2023	Weekend							9			3												
14 Aug 2023	Midweek	2																		21			
15 Aug 2023	Midweek																			15			
16 Aug 2023	Midweek													8									
17 Aug 2023	Midweek								13														
18 Aug 2023	Midweek																					1	
19 Aug 2023	Weekend								19			2						1					
20 Aug 2023	Weekend							13			3												
21 Aug 2023	Midweek		1												3								
22 Aug 2023	Midweek			2							5											12	
23 Aug 2023	Midweek									7									4				
24 Aug 2023	Midweek								13									4					
25 Aug 2023	Midweek																			32			
26 Aug 2023	Weekend																	1	6		23		
27 Aug 2023	Weekend					1																	
28 Aug 2023	Midweek											2						1	7				
29 Aug 2023	Midweek										7												
30 Aug 2023	Midweek									4										14			
31 Aug 2023	Midweek												1								13		
01 Sep 2023	Midweek	1																					
02 Sep 2023	Weekend						1				5									11			
03 Sep 2023	Weekend							4					1	3						12			

*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-2023	Saturday	calm/rippled	28	63	4		27	93	0904	127
30-Jul-2023	Sunday	calm/rippled	11	24	7		1			
31-Jul-2023	Monday	calm/rippled	27	53	6		22	88	0901	128
01-Aug-2023	Tuesday	choppy	27	96	11		20			
02-Aug-2023	Wednesday	choppy	20	47	13		17	70	0900	102
03-Aug-2023	Thursday	choppy	10	23	8		1			
04-Aug-2023	Friday	choppy	27	38	31		19			
05-Aug-2023	Saturday	choppy	10	26	6		13			
06-Aug-2023	Sunday		1					61	1019	80
07-Aug-2023	Monday (B.C. Day)	choppy	15	44	15		15			
08-Aug-2023	Tuesday	choppy	4	10	5		8	34	0857	51
09-Aug-2023	Wednesday		0							
10-Aug-2023	Thursday	calm/rippled	21	61	23		35			
11-Aug-2023	Friday	calm/rippled	19	55	23		12			
12-Aug-2023	Saturday	choppy	29	88	16		27	74	0848	108
13-Aug-2023	Sunday	choppy	13	40	7		8	22	0950	30
14-Aug-2023	Monday	choppy	24	93	21		21			
15-Aug-2023	Tuesday	large swells	15	59	10		5	37	0904	53
16-Aug-2023	Wednesday	large swells	8	25	1					
17-Aug-2023	Thursday	choppy	13	17	1		2			
18-Aug-2023	Friday	choppy	1	1						
19-Aug-2023	Saturday	choppy	22	85	12		10	85	0942	113
20-Aug-2023	Sunday	frequent whitecaps	17	54	12		4			
21-Aug-2023	Monday	frequent whitecaps	5	13						
22-Aug-2023	Tuesday	choppy	20	39	7		24			
23-Aug-2023	Wednesday	calm/rippled	11	24	8		18			
24-Aug-2023	Thursday	calm/rippled	18	36	1		3	96	1101	167
25-Aug-2023	Friday	choppy	33	95	6		29			
26-Aug-2023	Saturday	calm/rippled	8	37	2			99	1029	142
27-Aug-2023	Sunday	choppy	24	102	13		29			
28-Aug-2023	Monday	calm/rippled	10	32	2		8	34	1104	54
29-Aug-2023	Tuesday	calm/rippled	9	10	13		14	18	1109	28
30-Aug-2023	Wednesday	calm/rippled	20	41	17		15			
31-Aug-2023	Thursday	choppy	13	42	14		16			
01-Sep-2023	Friday	choppy	15	26	10		9	45	0902	67
02-Sep-2023	Saturday	frequent whitecaps	20	36	6		21	62	0900	85
03-Sep-2023	Sunday	frequent whitecaps	8	19	5		3			
	Totals	choppy	328	857	215		267	48*		76*
	Totals	choppy	139	476	83		106	68*		95*

\* 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	76	22	1672	2.613	0.655		0.814	4369	1095		1361
Weekend	95	9	855	3.424	0.597		0.763	2928	510		652

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	August	4332	8452	8604	137	1968
2019	August	4065	9432	2388		1770
2020	August	2731	6589	2731		2239
2021	August	2182	6755	2130	3	2161
2022	August	2790	6924	1271	17	3491
2023	August	3098	8263	1866	0	3007
5-Yr Avg	August	3220	7630	3425	52	2326

**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	1474	87%	3%	1217	67%	4%	47
Chinook	902	15%	12%	675	17%	16%	111

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	463	47%
iRec Anglers	5690	38%

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

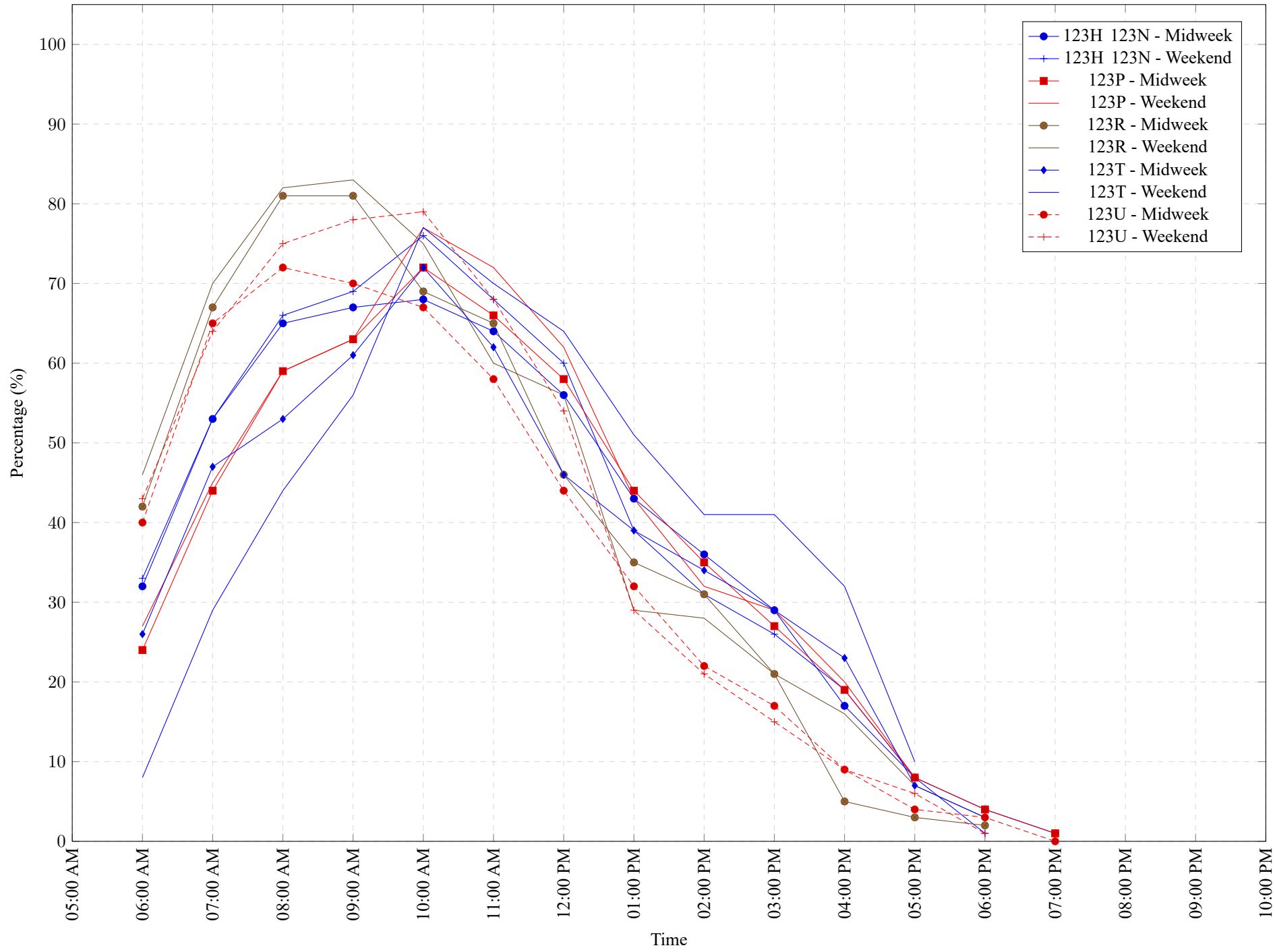


Table 7: Proportion of each day's fishing by hour.

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	123N	Midweek	32%	53%	65%	67%	68%	64%	56%	43%	36%	29%	17%	8%	4%	1%	0%	0%	0%
123H	123N	Weekend	33%	53%	66%	69%	76%	68%	60%	39%	31%	26%	19%	8%	1%	0%	0%	0%	0%
123P		Midweek	24%	44%	59%	63%	72%	66%	58%	44%	35%	27%	19%	8%	4%	1%	0%	0%	0%
123P		Weekend	27%	45%	59%	63%	77%	72%	62%	43%	32%	29%	20%	8%	0%	0%	0%	0%	0%
123R		Midweek	42%	67%	81%	81%	69%	65%	46%	35%	31%	21%	5%	3%	2%	0%	0%	0%	0%
123R		Weekend	46%	70%	82%	83%	75%	60%	56%	29%	28%	21%	16%	7%	3%	0%	0%	0%	0%
123T		Midweek	26%	47%	53%	61%	72%	62%	46%	39%	34%	29%	23%	7%	3%	0%	0%	0%	0%
123T		Weekend	8%	29%	44%	56%	77%	70%	64%	51%	41%	41%	32%	10%	0%	0%	0%	0%	0%
123U		Midweek	40%	65%	72%	70%	67%	58%	44%	32%	22%	17%	9%	4%	3%	0%	0%	0%	0%
123U		Weekend	43%	64%	75%	78%	79%	68%	54%	29%	21%	15%	9%	6%	1%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	China Creek	Clutesi Ramp	Fourth Street Dock	Harbour Quay - Derby Only	Island West	McKay Bay Gas Dock	Mills Landing	Pat Leslie Boat Launch	Poett Nook	Tofino Resort and Marina	Ucluelet Gov Dock
29 Jul 2023	Weekend						calm/rippled					calm/rippled
30 Jul 2023	Weekend							calm/rippled				choppy
31 Jul 2023	Midweek						calm/rippled		calm/rippled			
01 Aug 2023	Midweek											choppy
02 Aug 2023	Midweek		choppy				calm/rippled					choppy
03 Aug 2023	Midweek							calm/rippled				choppy
04 Aug 2023	Midweek					choppy	choppy					
05 Aug 2023	Weekend		large swells									choppy
06 Aug 2023	Weekend											
07 Aug 2023	Weekend											choppy
08 Aug 2023	Midweek						choppy					calm/rippled
09 Aug 2023	Midweek											
10 Aug 2023	Midweek									choppy		calm/rippled
11 Aug 2023	Midweek							choppy				calm/rippled
12 Aug 2023	Weekend						choppy					choppy
13 Aug 2023	Weekend					choppy	choppy					
14 Aug 2023	Midweek	frequent whitecaps										choppy
15 Aug 2023	Midweek											large swells
16 Aug 2023	Midweek								large swells			
17 Aug 2023	Midweek					choppy						
18 Aug 2023	Midweek											choppy
19 Aug 2023	Weekend					choppy		choppy			choppy	
20 Aug 2023	Weekend					large swells	choppy					
21 Aug 2023	Midweek		choppy							frequent whitecaps		
22 Aug 2023	Midweek		frequent whitecaps				choppy					choppy
23 Aug 2023	Midweek						choppy					calm/rippled
24 Aug 2023	Midweek					calm/rippled					calm/rippled	
25 Aug 2023	Midweek											choppy
26 Aug 2023	Weekend										calm/rippled	calm/rippled
27 Aug 2023	Weekend			calm/rippled								choppy
28 Aug 2023	Midweek							calm/rippled			calm/rippled	calm/rippled
29 Aug 2023	Midweek						calm/rippled					
30 Aug 2023	Midweek						calm/rippled					calm/rippled
31 Aug 2023	Midweek											choppy
01 Sep 2023	Midweek	frequent whitecaps						choppy				choppy
02 Sep 2023	Weekend				calm/rippled		calm/rippled					large swells
03 Sep 2023	Weekend					frequent whitecaps		frequent whitecaps	frequent whitecaps			