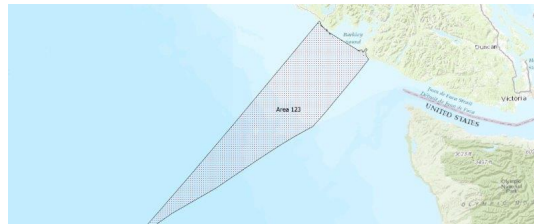


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 123 July 2023



Prepared By:
South Coast Salmon Stock Assessment Section

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

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
28-Jun-2023	Wednesday	calm/rippled	3				3			
29-Jun-2023	Thursday	choppy	5	12			5			
30-Jun-2023	Friday	choppy	8	22	2		7	3	1321	9
01-Jul-2023	Saturday	frequent whitecaps	9	18			3	10	0905	14
02-Jul-2023	Sunday	choppy	7	4						
03-Jul-2023	Monday (Canada Day)	calm/rippled	8	1			10			
04-Jul-2023	Tuesday	calm/rippled	4	6	1		3			
05-Jul-2023	Wednesday		0					23	0908	32
06-Jul-2023	Thursday	frequent whitecaps	3				1			
07-Jul-2023	Friday	choppy	11	12			6			
08-Jul-2023	Saturday	calm/rippled	3	1			11	83	0903	123
09-Jul-2023	Sunday	calm/rippled	12	1			1			
10-Jul-2023	Monday	calm/rippled	25	6	7		65	41	0900	57
11-Jul-2023	Tuesday		3	6	1					
12-Jul-2023	Wednesday	calm/rippled	28	61	1		40			
13-Jul-2023	Thursday	choppy	10	12			4			
14-Jul-2023	Friday	choppy	16	28	3		11			
15-Jul-2023	Saturday	choppy	43	101	6		70			
16-Jul-2023	Sunday	choppy	10	16	2		4	24	1152	47
17-Jul-2023	Monday	choppy	7	22	1		9			
18-Jul-2023	Tuesday	choppy	14	35	2		12			
19-Jul-2023	Wednesday	frequent whitecaps	32	51	5		31	46	0908	66
20-Jul-2023	Thursday	choppy	7	7	2		12			
21-Jul-2023	Friday	calm/rippled	33	72	13		37			
22-Jul-2023	Saturday	calm/rippled	29	72	39		17			
23-Jul-2023	Sunday		0					82	0855	124
24-Jul-2023	Monday	large swells	8	15	3		1			
25-Jul-2023	Tuesday	frequent whitecaps	2					24	0908	35
26-Jul-2023	Wednesday	choppy	20	48	14		28			
27-Jul-2023	Thursday	choppy	14	11	2		13			
28-Jul-2023	Friday	choppy	20	40	6		10			
29-Jul-2023	Saturday	calm/rippled	28	63	4		27	93	0904	142
30-Jul-2023	Sunday	calm/rippled	11	24	7		1			
31-Jul-2023	Monday	calm/rippled	27	53	6		22	88	0901	126
01-Aug-2023	Tuesday	choppy	27	96	11		20			
02-Aug-2023	Wednesday	choppy	20	47	13		17	70	0900	99
03-Aug-2023	Thursday	choppy	10	23	8		1			
	Totals	choppy	284	485	67		305	44*		63*
	Totals	choppy	160	301	58		144	58*		90*

* 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	63	20	1260	1.708	0.236		1.074	2152	297		1353
Weekend	90	11	990	1.881	0.363		0.9	1862	359		891

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	July	2417	5674	2134		1896
2019	July	3373	7933	1405		2088
2020	July	1476	3212	1188	0	1772
2021	July	2179	4906	2981	2	3170
2022	July	1675	3889	1349	10	1892
2023	July	2424	3888	672		3848
5-Yr Avg	July	2224	5123	1811	4	2164

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	334	71%	8%	290	79%	9%	27
Chinook	792	33%	20%	603	31%	26%	156

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	444	55%
iRec Anglers	3542	59%

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

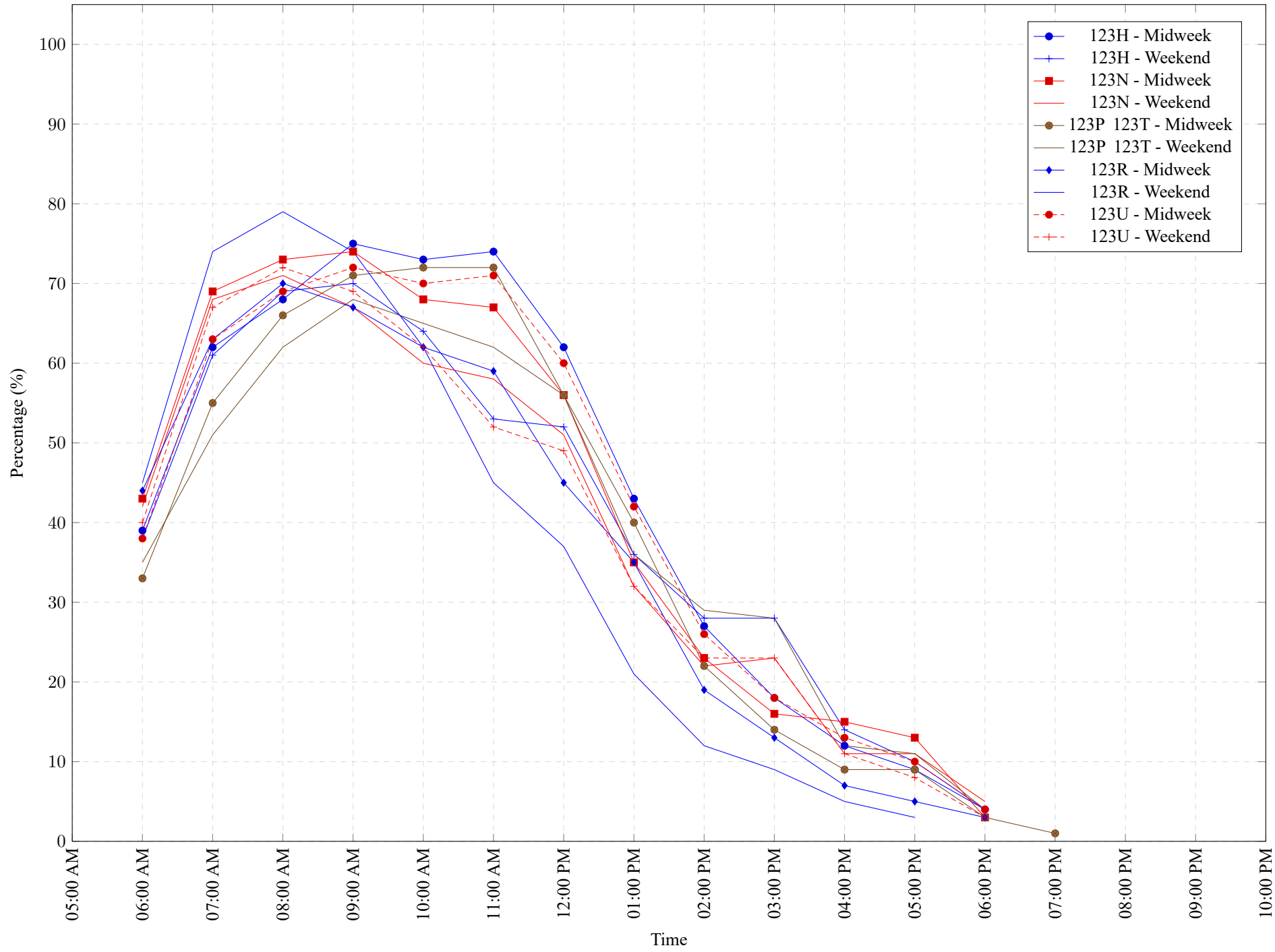


Table 7: Proportion of each day's fishing by hour.

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	39%	62%	68%	75%	73%	74%	62%	43%	27%	18%	12%	9%	4%	0%	0%	0%	0%
123H	Weekend	38%	61%	69%	70%	64%	53%	52%	36%	28%	28%	14%	10%	4%	0%	0%	0%	0%
123N	Midweek	43%	69%	73%	74%	68%	67%	56%	35%	23%	16%	15%	13%	3%	0%	0%	0%	0%
123N	Weekend	42%	68%	71%	67%	60%	58%	51%	32%	22%	23%	11%	11%	5%	0%	0%	0%	0%
123P 123T	Midweek	33%	55%	66%	71%	72%	72%	56%	40%	22%	14%	9%	9%	3%	1%	0%	0%	0%
123P 123T	Weekend	35%	51%	62%	68%	65%	62%	56%	36%	29%	28%	12%	11%	4%	0%	0%	0%	0%
123R	Midweek	44%	63%	70%	67%	62%	59%	45%	35%	19%	13%	7%	5%	3%	0%	0%	0%	0%
123R	Weekend	45%	74%	79%	74%	62%	45%	37%	21%	12%	9%	5%	3%	0%	0%	0%	0%	0%
123U	Midweek	38%	63%	69%	72%	70%	71%	60%	42%	26%	18%	13%	10%	4%	0%	0%	0%	0%
123U	Weekend	40%	67%	72%	69%	62%	52%	49%	32%	23%	23%	11%	8%	3%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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