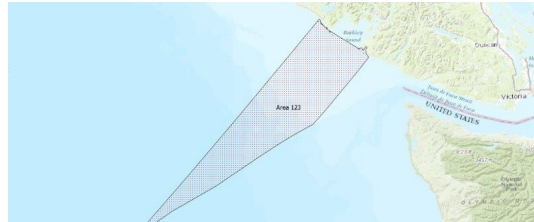


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 123 September 2023



Prepared By:
South Coast Salmon Stock Assessment Section

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

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-2023	Tuesday	calm/rippled	9	10	13		14	18	1109	25
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	65
02-Sep-2023	Saturday	frequent whitecaps	20	36	6		21	62	0900	101
03-Sep-2023	Sunday	frequent whitecaps	8	19	5		3			
04-Sep-2023	Monday (Labour Day)	choppy	4	4	3		19			
05-Sep-2023	Tuesday	choppy	3	10	3		9			
06-Sep-2023	Wednesday	calm/rippled	10	24	5		6			
07-Sep-2023	Thursday		0					31	0950	42
08-Sep-2023	Friday	calm/rippled	5	8			5			
09-Sep-2023	Saturday	calm/rippled	16	23	7		24	2	1116	3
10-Sep-2023	Sunday		0					14	0843	26
11-Sep-2023	Monday	large swells	1				5			
12-Sep-2023	Tuesday		0					2	1114	2
13-Sep-2023	Wednesday	choppy	1							
14-Sep-2023	Thursday		0							
15-Sep-2023	Friday	frequent whitecaps	2	3	1			11	0942	15
16-Sep-2023	Saturday	choppy	2	1	1		10			
17-Sep-2023	Sunday	frequent whitecaps	3				1	1	0839	2
18-Sep-2023	Monday		0							
19-Sep-2023	Tuesday		0							
20-Sep-2023	Wednesday	choppy	1		1			2	0935	3
21-Sep-2023	Thursday		0							
22-Sep-2023	Friday	calm/rippled	1							
23-Sep-2023	Saturday	choppy	1				1	0	0823	0
24-Sep-2023	Sunday		0					0	1019	0
25-Sep-2023	Monday		0							
26-Sep-2023	Tuesday		0							
27-Sep-2023	Wednesday		0							
28-Sep-2023	Thursday		0					1	1001	1
29-Sep-2023	Friday		0							
30-Sep-2023	Saturday		0					3	0938	5
01-Oct-2023	Sunday		0							
02-Oct-2023	Monday		0							
03-Oct-2023	Tuesday		0							
	Totals	choppy	39	71	20		34	15*		21*
	Totals	choppy	54	83	22		79	12*		20*

* 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	21	20	420	1.821	0.513		0.872	765	215		366
Weekend	20	10	200	1.537	0.407		1.463	307	81		293

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	September	269	125	63		160
2019	September	1814	1251	359		9
2020	September	674	752	538		914
2021	September	450	544	715		542
2022	September	749	981	304		666
2023	September	825	1521	411		979
5-Yr Avg	September	791	731	396		458

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	335	82%	2%	113	74%	5%	6
Chinook	143	12%	20%	222	38%	13%	29

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	92	58%
iRec Anglers	1354	27%

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

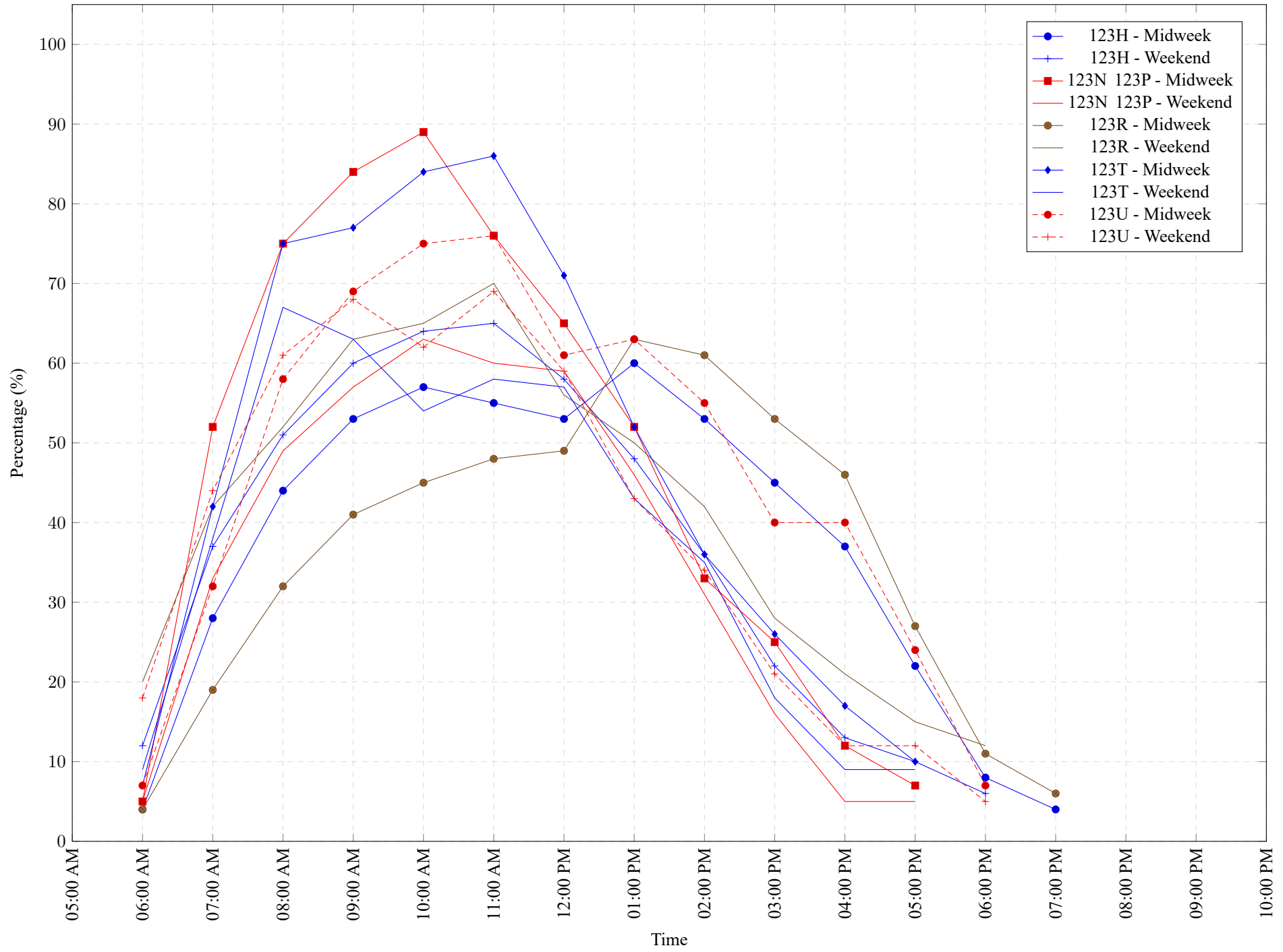


Table 7: Proportion of each day's fishing by hour.

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	4%	28%	44%	53%	57%	55%	53%	60%	53%	45%	37%	22%	8%	4%	0%	0%	0%
123H	Weekend	12%	37%	51%	60%	64%	65%	58%	48%	36%	22%	13%	10%	6%	0%	0%	0%	0%
123N 123P	Midweek	5%	52%	75%	84%	89%	76%	65%	52%	33%	25%	12%	7%	0%	0%	0%	0%	0%
123N 123P	Weekend	5%	33%	49%	57%	63%	60%	59%	46%	31%	16%	5%	5%	0%	0%	0%	0%	0%
123R	Midweek	4%	19%	32%	41%	45%	48%	49%	63%	61%	53%	46%	27%	11%	6%	0%	0%	0%
123R	Weekend	20%	42%	52%	63%	65%	70%	56%	50%	42%	28%	21%	15%	12%	0%	0%	0%	0%
123T	Midweek	7%	42%	75%	77%	84%	86%	71%	52%	36%	26%	17%	10%	0%	0%	0%	0%	0%
123T	Weekend	9%	38%	67%	63%	54%	58%	57%	43%	35%	18%	9%	9%	0%	0%	0%	0%	0%
123U	Midweek	7%	32%	58%	69%	75%	76%	61%	63%	55%	40%	40%	24%	7%	0%	0%	0%	0%
123U	Weekend	18%	44%	61%	68%	62%	69%	59%	43%	34%	21%	12%	12%	5%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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