

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 123 June 2023



Prepared By:

South Coast Salmon Stock Assessment Section

Sunday 14th January, 2024



Fisheries and Oceans
Canada

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Canada



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

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

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-2023	Monday		0							
30-May-2023	Tuesday		0							
31-May-2023	Wednesday		0							
01-Jun-2023	Thursday		1					7	0909	8
02-Jun-2023	Friday	calm/rippled	15	2			15			
03-Jun-2023	Saturday	choppy	18	8			29	17	0905	22
04-Jun-2023	Sunday	choppy	7	1			3			
05-Jun-2023	Monday	calm/rippled	6	1			2	5	0852	6
06-Jun-2023	Tuesday	choppy	6	7			1			
07-Jun-2023	Wednesday	choppy	3				10			
08-Jun-2023	Thursday	calm/rippled	17	7			30			
09-Jun-2023	Friday	calm/rippled	17	3			12			
10-Jun-2023	Saturday	choppy	7				17	13	0829	18
11-Jun-2023	Sunday	frequent whitecaps	5	1			6	12	0949	17
12-Jun-2023	Monday	choppy	6	1			11			
13-Jun-2023	Tuesday		0							
14-Jun-2023	Wednesday		0					2	0904	2
15-Jun-2023	Thursday	calm/rippled	1							
16-Jun-2023	Friday	calm/rippled	6	2			11			
17-Jun-2023	Saturday	frequent whitecaps	2					4	0907	5
18-Jun-2023	Sunday		0							
19-Jun-2023	Monday	choppy	4	7	1					
20-Jun-2023	Tuesday	calm/rippled	7	9	1		1			
21-Jun-2023	Wednesday	calm/rippled	3	2			8			
22-Jun-2023	Thursday	calm/rippled	13	20			9			
23-Jun-2023	Friday	frequent whitecaps	7	7			8			
24-Jun-2023	Saturday	choppy	21	11			26	43	0936	58
25-Jun-2023	Sunday	choppy	9	10	1		11			
26-Jun-2023	Monday	choppy	9	14			11			
27-Jun-2023	Tuesday	choppy	17	13			29			
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	11
01-Jul-2023	Saturday	frequent whitecaps	9	18			3	10	0905	12
02-Jul-2023	Sunday	choppy	7	4						
03-Jul-2023	Monday (Canada Day)	calm/rippled	8	1			10			
	Totals	choppy	154	129	4		173	4*		7*
	Totals	choppy	69	31	1		92	18*		24*

* 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	7	22	154	0.838	0.026		1.123	129	4		173
Weekend	24	8	192	0.449	0.014		1.333	86	3		256

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	June	1145	2807	501		405
2019	June	600	920	60		174
2020	June	361	136	19		373
2021	June	511	329	265		478
2022	June	388	503	26		400
2023	June	398	333	10		330
5-Yr Avg	June	601	939	174		366

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	8	80%	13%	44	96%	2%	1
Chinook	122	46%	43%	104	31%	50%	52

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	219	69%
iRec Anglers	989	56%

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

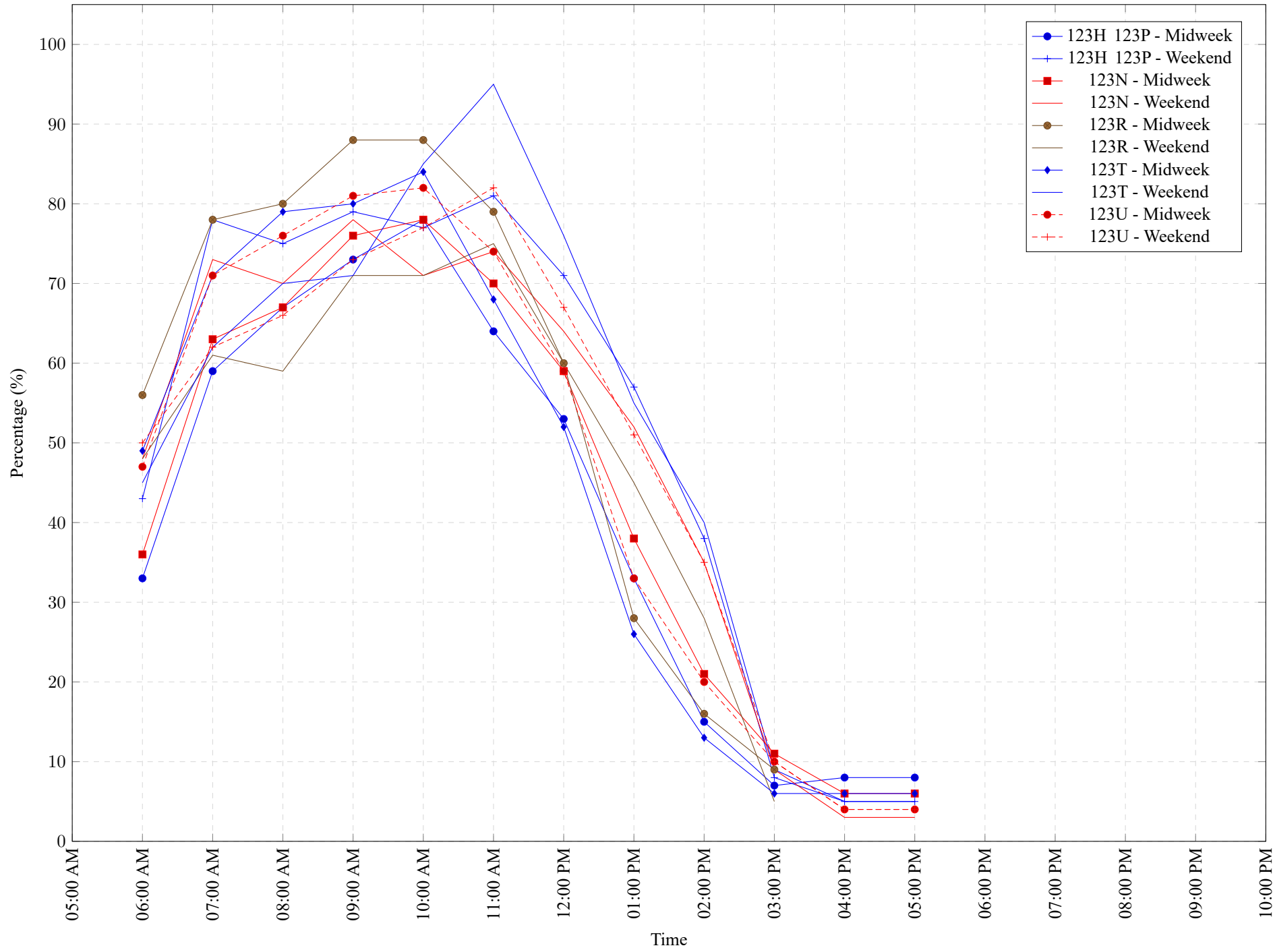


Table 7: Proportion of each day's fishing by hour.

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	123P	Midweek	33%	59%	67%	73%	78%	64%	53%	33%	15%	7%	8%	8%	0%	0%	0%	0%	0%
123H	123P	Weekend	43%	78%	75%	79%	77%	81%	71%	57%	38%	8%	5%	5%	0%	0%	0%	0%	0%
123N		Midweek	36%	63%	67%	76%	78%	70%	59%	38%	21%	11%	6%	6%	0%	0%	0%	0%	0%
123N		Weekend	48%	73%	70%	78%	71%	74%	64%	52%	35%	9%	3%	3%	0%	0%	0%	0%	0%
123R		Midweek	56%	78%	80%	88%	88%	79%	60%	28%	16%	9%	0%	0%	0%	0%	0%	0%	0%
123R		Weekend	48%	61%	59%	71%	71%	75%	60%	45%	28%	5%	0%	0%	0%	0%	0%	0%	0%
123T		Midweek	49%	71%	79%	80%	84%	68%	52%	26%	13%	6%	6%	6%	0%	0%	0%	0%	0%
123T		Weekend	45%	62%	70%	71%	85%	95%	76%	55%	40%	9%	5%	5%	0%	0%	0%	0%	0%
123U		Midweek	47%	71%	76%	81%	82%	74%	59%	33%	20%	10%	4%	4%	0%	0%	0%	0%	0%
123U		Weekend	50%	62%	66%	73%	77%	82%	67%	51%	35%	10%	4%	4%	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	Pat Leslie Boat Launch	Poett Nook	Ucluelet Gov Dock
29 May 2023	Midweek								
30 May 2023	Midweek								
31 May 2023	Midweek								
01 Jun 2023	Midweek								
02 Jun 2023	Midweek								calm/rippled
03 Jun 2023	Weekend				choppy				calm/rippled
04 Jun 2023	Weekend	choppy	choppy		choppy				
05 Jun 2023	Midweek								calm/rippled
06 Jun 2023	Midweek								choppy
07 Jun 2023	Midweek		choppy						
08 Jun 2023	Midweek		calm/rippled		calm/rippled				
09 Jun 2023	Midweek								calm/rippled
10 Jun 2023	Weekend				choppy				
11 Jun 2023	Weekend		frequent whitecaps						
12 Jun 2023	Midweek		calm/rippled					frequent whitecaps	
13 Jun 2023	Midweek								
14 Jun 2023	Midweek								
15 Jun 2023	Midweek			calm/rippled					
16 Jun 2023	Midweek								calm/rippled
17 Jun 2023	Weekend								frequent whitecaps
18 Jun 2023	Weekend								
19 Jun 2023	Midweek			choppy					calm/rippled
20 Jun 2023	Midweek				choppy				calm/rippled
21 Jun 2023	Midweek			choppy		calm/rippled			
22 Jun 2023	Midweek								calm/rippled
23 Jun 2023	Midweek				frequent whitecaps				
24 Jun 2023	Weekend							choppy	choppy
25 Jun 2023	Weekend			choppy		choppy			
26 Jun 2023	Midweek								choppy
27 Jun 2023	Midweek				choppy				choppy
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