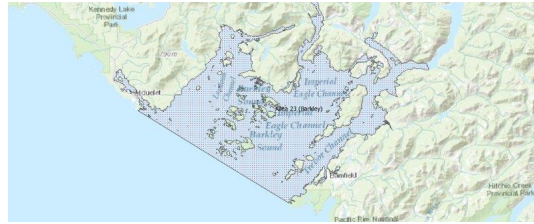


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Barkley) September 2024



Prepared By:

South Coast Salmon Stock Assessment Section

Friday 8th November, 2024



Fisheries and Oceans
Canada

Pêches et Océans
Canada

**your
catch
counts**

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

		China Creek		Clutesi Marina	Clutesi Ramp		Fisher-man's Harbour	Island West			McKay Bay Gas Dock			Mills Landing	Poett Nook			Ucluelet Gov Dock	
Date	Day Type	AM	MD	PM	AM	PM	AM	AM	MD	PM	AM	MD	PM	MD	AM	MD	PM	MD	PM
29 Aug 2024	Midweek				2									7					
30 Aug 2024	Midweek																		
31 Aug 2024	Weekend		1				1									38			4
01 Sep 2024	Weekend													8					2
02 Sep 2024	Weekend	1					4								23			3	
03 Sep 2024	Midweek				1							10							
04 Sep 2024	Midweek										6								
05 Sep 2024	Midweek	1																2	
06 Sep 2024	Midweek								1										
07 Sep 2024	Weekend									3									
08 Sep 2024	Weekend																		
09 Sep 2024	Midweek																	1	
10 Sep 2024	Midweek																		1
11 Sep 2024	Midweek												5					1	
12 Sep 2024	Midweek									2				2					
13 Sep 2024	Midweek													2					
14 Sep 2024	Weekend												7					2	
15 Sep 2024	Weekend							2											
16 Sep 2024	Midweek																		
17 Sep 2024	Midweek												3						
18 Sep 2024	Midweek			1															
19 Sep 2024	Midweek																		
20 Sep 2024	Midweek																	1	
21 Sep 2024	Weekend															2			
22 Sep 2024	Weekend																		
23 Sep 2024	Midweek												3						
24 Sep 2024	Midweek																	1	
25 Sep 2024	Midweek														1				
26 Sep 2024	Midweek																		
27 Sep 2024	Midweek																		
28 Sep 2024	Weekend																	2	
29 Sep 2024	Weekend					4										4			
30 Sep 2024	Midweek																	1	
01 Oct 2024	Midweek																		
02 Oct 2024	Midweek																		
03 Oct 2024	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-2024	Thursday	calm/rippled	9	6	5					
30-Aug-2024	Friday		0							
31-Aug-2024	Saturday	choppy	44	35	29			367	0750	734
01-Sep-2024	Sunday	frequent whitecaps	10	3	4					
02-Sep-2024	Monday (Labour Day)	choppy	31	19	15			81	1358	348
03-Sep-2024	Tuesday	choppy	11	19	11					
04-Sep-2024	Wednesday	calm/rippled	6	11	2			72	1111	118
05-Sep-2024	Thursday	calm/rippled	3	2	2					
06-Sep-2024	Friday	calm/rippled	3	2	8					
07-Sep-2024	Saturday	calm/rippled	4	1				83	0812	150
08-Sep-2024	Sunday		0							
09-Sep-2024	Monday	calm/rippled	1		1					
10-Sep-2024	Tuesday	calm/rippled	1							
11-Sep-2024	Wednesday	choppy	6	1	6					
12-Sep-2024	Thursday	choppy	4	1	1					
13-Sep-2024	Friday	choppy	2					20	0805	36
14-Sep-2024	Saturday	choppy	9					38	1045	59
15-Sep-2024	Sunday	choppy	2							
16-Sep-2024	Monday		0					11	0903	18
17-Sep-2024	Tuesday	calm/rippled	3		1					
18-Sep-2024	Wednesday	choppy	1	1	1					
19-Sep-2024	Thursday		0							
20-Sep-2024	Friday	calm/rippled	1							
21-Sep-2024	Saturday	frequent whitecaps	2		5			16	0805	29
22-Sep-2024	Sunday		0							
23-Sep-2024	Monday	calm/rippled	3	2						
24-Sep-2024	Tuesday	calm/rippled	1							
25-Sep-2024	Wednesday	choppy	1							
26-Sep-2024	Thursday		0							
27-Sep-2024	Friday		0					5	0837	10
28-Sep-2024	Saturday	frequent whitecaps	2	1				11	0835	19
29-Sep-2024	Sunday	choppy	8		1					
30-Sep-2024	Monday	choppy	1							
01-Oct-2024	Tuesday		0							
02-Oct-2024	Wednesday		0							
03-Oct-2024	Thursday		0							
	Totals	calm/rippled	48	39	33			27*		46*
	Totals	choppy	68	24	25			46*		121*

* 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	46	20	920	0.813	0.688			748	633		
Weekend	121	10	1210	0.353	0.368			427	445		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2019	September	1265	697	475		0
2020	September	2673	490	478		0
2021	September	2550	1806	1306		0
2022	September	1942	717	1400		2
2023	September	3345	3505	2647		0
2024	September	3240	1695	1056		0
5-Yr Avg	September	2355	1443	1261		0

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
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Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	115	15%
iRec Anglers	2332	6%

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

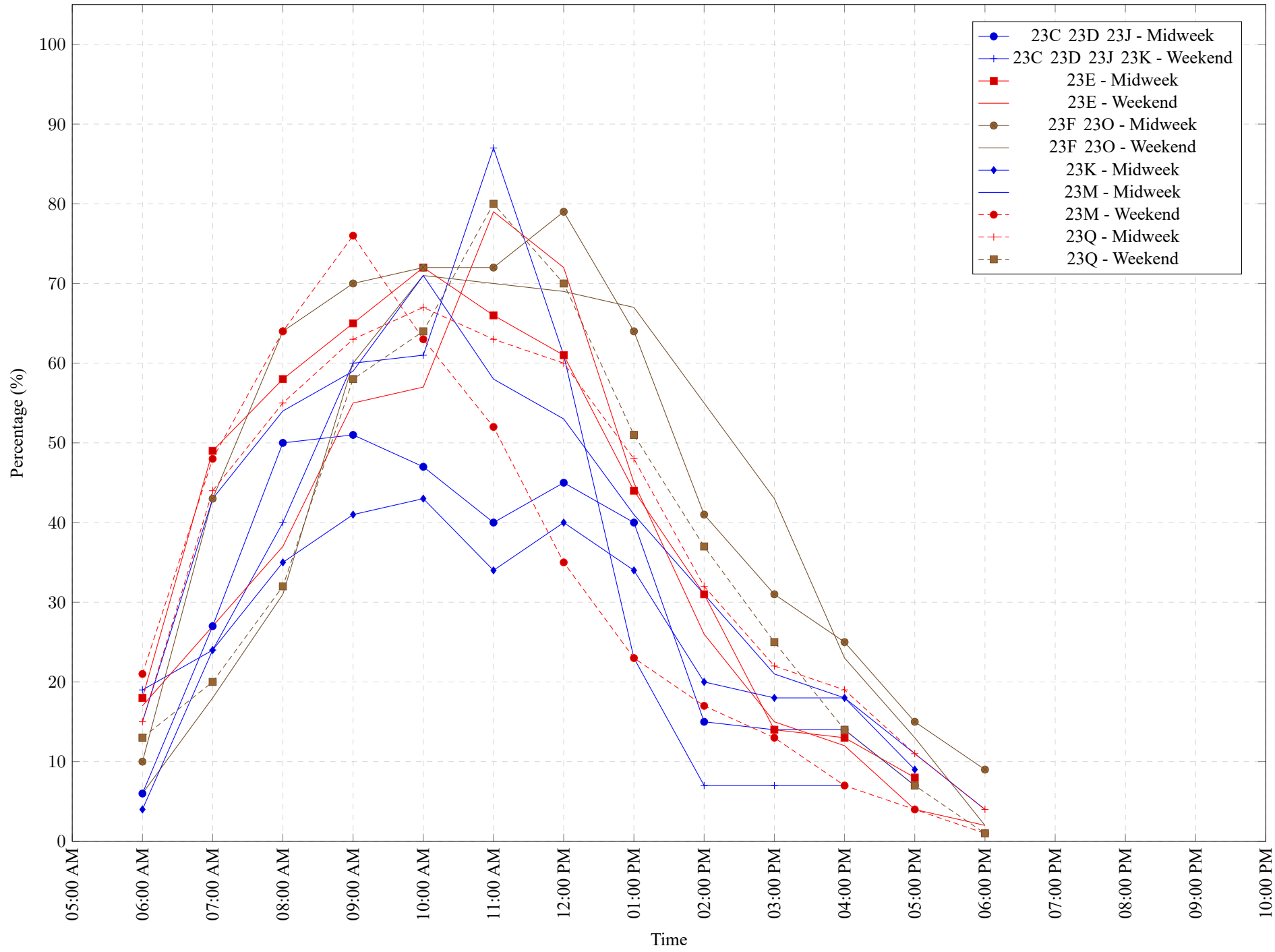


Table 7: Proportion of each day's fishing by hour.

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
23C 23D 23J			Midweek	6%	27%	50%	51%	47%	40%	45%	40%	15%	14%	14%	7%	0%	0%	0%	0%	0%
23C 23D 23J 23K			Weekend	19%	24%	40%	60%	61%	87%	61%	23%	7%	7%	7%	0%	0%	0%	0%	0%	0%
23E			Midweek	18%	49%	58%	65%	72%	66%	61%	44%	31%	14%	13%	8%	0%	0%	0%	0%	0%
23E			Weekend	17%	27%	37%	55%	57%	79%	72%	45%	26%	15%	12%	4%	2%	0%	0%	0%	0%
23F 23O			Midweek	10%	43%	64%	70%	72%	72%	79%	64%	41%	31%	25%	15%	9%	0%	0%	0%	0%
23F 23O			Weekend	6%	18%	31%	60%	71%	70%	69%	67%	55%	43%	23%	13%	2%	0%	0%	0%	0%
23K			Midweek	4%	24%	35%	41%	43%	34%	40%	34%	20%	18%	18%	9%	0%	0%	0%	0%	0%
23M			Midweek	15%	43%	54%	59%	71%	58%	53%	41%	31%	21%	18%	11%	4%	0%	0%	0%	0%
23M			Weekend	21%	48%	64%	76%	63%	52%	35%	23%	17%	13%	7%	4%	1%	0%	0%	0%	0%
23Q			Midweek	15%	44%	55%	63%	67%	63%	60%	48%	32%	22%	19%	11%	4%	0%	0%	0%	0%
23Q			Weekend	13%	20%	32%	58%	64%	80%	70%	51%	37%	25%	14%	7%	1%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	China Creek	Clutesi Marina	Clutesi Ramp	Fisherman’s Harbour	Island West	McKay Bay Gas Dock	Mills Landing	Poett Nook	Ucluelet Gov Dock
29 Aug 2024	Midweek	frequent whitecaps	calm/rippled			calm/rippled				
30 Aug 2024	Midweek									
31 Aug 2024	Weekend				calm/rippled				choppy	calm/rippled
01 Sep 2024	Weekend							frequent whitecaps		calm/rippled
02 Sep 2024	Weekend	choppy			calm/rippled				choppy	calm/rippled
03 Sep 2024	Midweek			choppy			choppy			
04 Sep 2024	Midweek						calm/rippled			
05 Sep 2024	Midweek	choppy								calm/rippled
06 Sep 2024	Midweek					calm/rippled				
07 Sep 2024	Weekend					calm/rippled				
08 Sep 2024	Weekend									
09 Sep 2024	Midweek									calm/rippled
10 Sep 2024	Midweek									calm/rippled
11 Sep 2024	Midweek						choppy			calm/rippled
12 Sep 2024	Midweek					calm/rippled		choppy		
13 Sep 2024	Midweek						choppy			
14 Sep 2024	Weekend						choppy			choppy
15 Sep 2024	Weekend				choppy					
16 Sep 2024	Midweek									
17 Sep 2024	Midweek						calm/rippled			
18 Sep 2024	Midweek		choppy							
19 Sep 2024	Midweek									
20 Sep 2024	Midweek									calm/rippled
21 Sep 2024	Weekend								frequent whitecaps	
22 Sep 2024	Weekend									
23 Sep 2024	Midweek						calm/rippled			
24 Sep 2024	Midweek									calm/rippled
25 Sep 2024	Midweek								choppy	
26 Sep 2024	Midweek									
27 Sep 2024	Midweek									
28 Sep 2024	Weekend									frequent whitecaps
29 Sep 2024	Weekend			choppy					frequent whitecaps	
30 Sep 2024	Midweek									choppy
01 Oct 2024	Midweek									
02 Oct 2024	Midweek									
03 Oct 2024	Midweek									