

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Barkley) September 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 13th January, 2024



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

Date	Day Type	China Creek			Clutesi Marina	Clutesi Ramp			Harbour Quay - Derby Only	Island West	McKay Bay Gas Dock			Mills Landing			Pat Leslie Boat Launch	Poett Nook	Ucluelet Gov Dock		
		AM	MD	PM	AM	AM	MD	PM	AM	MD	AM	MD	PM	AM	MD	PM	MD	MD	MD	PM	
29 Aug 2023	Midweek																				
30 Aug 2023	Midweek				1		1					11	32							2	
31 Aug 2023	Midweek		2					5												3	
01 Sep 2023	Midweek		5				4									10				2	
02 Sep 2023	Weekend	6							3	6		24								6	
03 Sep 2023	Weekend		5						1							13	3				
04 Sep 2023	Weekend	8							3					13							
05 Sep 2023	Midweek									1								12			
06 Sep 2023	Midweek											15								3	
07 Sep 2023	Midweek		5					3													
08 Sep 2023	Midweek						3													3	
09 Sep 2023	Weekend							6												5	
10 Sep 2023	Weekend																				
11 Sep 2023	Midweek										4									1	
12 Sep 2023	Midweek			1											7					1	
13 Sep 2023	Midweek											6									
14 Sep 2023	Midweek																				
15 Sep 2023	Midweek																				2
16 Sep 2023	Weekend							4							2						
17 Sep 2023	Weekend																			2	
18 Sep 2023	Midweek																				
19 Sep 2023	Midweek																				
20 Sep 2023	Midweek								3											1	
21 Sep 2023	Midweek								1												
22 Sep 2023	Midweek						1								1		1				
23 Sep 2023	Weekend																				
24 Sep 2023	Weekend											1									
25 Sep 2023	Midweek																				
26 Sep 2023	Midweek																				
27 Sep 2023	Midweek																				
28 Sep 2023	Midweek																				
29 Sep 2023	Midweek							1													
30 Sep 2023	Weekend																			1	
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	35	61	31			38	1154	63
30-Aug-2023	Wednesday	calm/rippled	18	23	19					
31-Aug-2023	Thursday	choppy	10	11	7					
01-Sep-2023	Friday	choppy	24	31	26			121	0734	308
02-Sep-2023	Saturday	choppy	39	46	24			339	0727	611
03-Sep-2023	Sunday	frequent whitecaps	29	29	33					
04-Sep-2023	Monday (Labour Day)	choppy	30	51	32					
05-Sep-2023	Tuesday	choppy	16	33	15					
06-Sep-2023	Wednesday	calm/rippled	18	23	19					
07-Sep-2023	Thursday	choppy	27	32	22			66	0848	122
08-Sep-2023	Friday	choppy	6	1	2					
09-Sep-2023	Saturday	calm/rippled	11	2	10			54	0851	84
10-Sep-2023	Sunday		0					67	0832	104
11-Sep-2023	Monday	choppy	6	5	2					
12-Sep-2023	Tuesday	choppy	9	5	14			14	1018	22
13-Sep-2023	Wednesday	choppy	6	2	6					
14-Sep-2023	Thursday		0							
15-Sep-2023	Friday	frequent whitecaps	2					6	0905	11
16-Sep-2023	Saturday	choppy	6	3	4					
17-Sep-2023	Sunday	frequent whitecaps	2		1			19	0823	30
18-Sep-2023	Monday		0							
19-Sep-2023	Tuesday		3		2					
20-Sep-2023	Wednesday	choppy	5	2	3			9	0830	17
21-Sep-2023	Thursday	calm/rippled	4	1	7					
22-Sep-2023	Friday	calm/rippled	3							
23-Sep-2023	Saturday		0					5	0828	8
24-Sep-2023	Sunday	choppy	1					2	0859	3
25-Sep-2023	Monday		0							
26-Sep-2023	Tuesday		0							
27-Sep-2023	Wednesday		0							
28-Sep-2023	Thursday		0					1	0837	2
29-Sep-2023	Friday	choppy	1	1						
30-Sep-2023	Saturday	choppy	1					13	0833	21
01-Oct-2023	Sunday		0							
02-Oct-2023	Monday		1	1						
03-Oct-2023	Tuesday		0							
	Totals	choppy	130	136	118			36*		80*
	Totals	choppy	119	131	104			71*		123*

* 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
Weekend	123	10	1230	1.101	0.874			1354	1075		
Midweek	80	20	1600	1.046	0.908			1674	1453		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	September	2733	1745	626		
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
5-Yr Avg	September	2233	1091	857		1

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	463	24%	5%	486	27%	5%	25
Chinook	147	5%	7%	403	20%	2%	10

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	249	14%
iRec Anglers	4022	12%

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

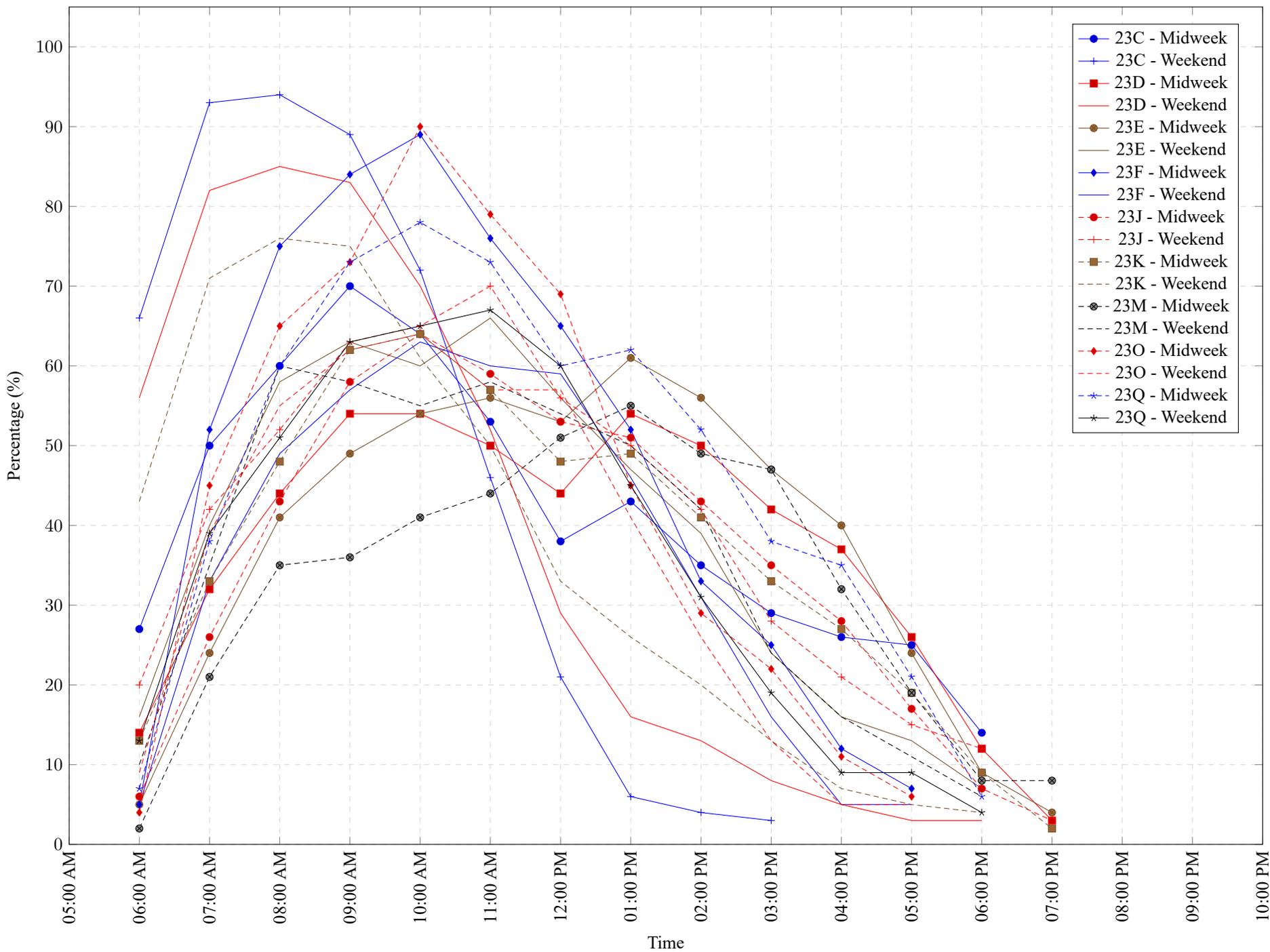


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00	7:00	8:00	9:00	10:00	11:00	12:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00
		AM	AM	AM	AM	AM	AM	PM										
23C	Midweek	27%	50%	60%	70%	64%	53%	38%	43%	35%	29%	26%	25%	14%	0%	0%	0%	0%
23C	Weekend	66%	93%	94%	89%	72%	46%	21%	6%	4%	3%	0%	0%	0%	0%	0%	0%	0%
23D	Midweek	14%	32%	44%	54%	54%	50%	44%	54%	50%	42%	37%	26%	12%	3%	0%	0%	0%
23D	Weekend	56%	82%	85%	83%	70%	52%	29%	16%	13%	8%	5%	3%	3%	0%	0%	0%	0%
23E	Midweek	5%	24%	41%	49%	54%	56%	53%	61%	56%	47%	40%	24%	9%	4%	0%	0%	0%
23E	Weekend	16%	40%	58%	63%	60%	66%	56%	47%	39%	24%	16%	13%	7%	0%	0%	0%	0%
23F	Midweek	5%	52%	75%	84%	89%	76%	65%	52%	33%	25%	12%	7%	0%	0%	0%	0%	0%
23F	Weekend	5%	33%	49%	57%	63%	60%	59%	46%	31%	16%	5%	5%	0%	0%	0%	0%	0%
23J	Midweek	6%	26%	43%	58%	64%	59%	53%	51%	43%	35%	28%	17%	7%	3%	0%	0%	0%
23J	Weekend	20%	42%	52%	63%	65%	70%	56%	50%	42%	28%	21%	15%	12%	0%	0%	0%	0%
23K	Midweek	13%	33%	48%	62%	64%	57%	48%	49%	41%	33%	27%	19%	9%	2%	0%	0%	0%
23K	Weekend	43%	71%	76%	75%	61%	50%	33%	26%	20%	13%	7%	5%	4%	0%	0%	0%	0%
23M	Midweek	2%	21%	35%	36%	41%	44%	51%	55%	49%	47%	32%	19%	8%	8%	0%	0%	0%
23M	Weekend	10%	35%	60%	58%	55%	58%	54%	50%	42%	24%	16%	11%	6%	0%	0%	0%	0%
23O	Midweek	4%	45%	65%	73%	90%	79%	69%	45%	29%	22%	11%	6%	0%	0%	0%	0%	0%
23O	Weekend	9%	39%	55%	62%	64%	57%	57%	41%	26%	13%	5%	5%	0%	0%	0%	0%	0%
23Q	Midweek	7%	38%	60%	73%	78%	73%	60%	62%	52%	38%	35%	21%	6%	0%	0%	0%	0%
23Q	Weekend	13%	39%	51%	63%	65%	67%	60%	45%	31%	19%	9%	9%	4%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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