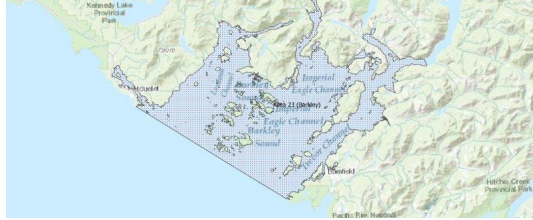


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Barkley) August 2024



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 7th November, 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			Fisherman's Harbour			Island West			McKay Bay Gas Dock			Mills Landing			Pat Leslie Boat Launch		Poett Nook		Tofino Resort and Marina AM	Ucluelet Gov Dock		
Date	Day Type	AM	MD	PM	AM	PM	AM	MD	PM	AM	PM	AM	MD	PM	AM	MD	PM	AM	MD	PM	MD	PM	AM	MD	AM		AM	MD	PM
29 Jul 2024	Midweek		1												6		6								14			4	
30 Jul 2024	Midweek							2													3								
31 Jul 2024	Midweek													3															
01 Aug 2024	Midweek								6																				
02 Aug 2024	Midweek																										9		
03 Aug 2024	Weekend															14			8					1		2			
04 Aug 2024	Weekend							2				4					13										2		
05 Aug 2024	Weekend								1																				
06 Aug 2024	Midweek														10												4		
07 Aug 2024	Midweek	1											4							9									
08 Aug 2024	Midweek																										3		
09 Aug 2024	Midweek																						21						
10 Aug 2024	Weekend							5								19										1			
11 Aug 2024	Weekend								13		3				10			3											
12 Aug 2024	Midweek	1																									9		
13 Aug 2024	Midweek					3	3																				4		
14 Aug 2024	Midweek	1					6							13		19													
15 Aug 2024	Midweek																							21			3		
16 Aug 2024	Midweek	1																			3								
17 Aug 2024	Weekend					4						4				26		16									3		
18 Aug 2024	Weekend																												
19 Aug 2024	Midweek										7																		
20 Aug 2024	Midweek															15	23										5		
21 Aug 2024	Midweek			5											8														
22 Aug 2024	Midweek							6																			5		
23 Aug 2024	Midweek												13										15						
24 Aug 2024	Weekend															32											6		
25 Aug 2024	Weekend		3											3															
26 Aug 2024	Midweek									3			3																
27 Aug 2024	Midweek										1																5		
28 Aug 2024	Midweek															25					1								
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													

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-Jul-2024	Monday	choppy	23	12	4					
30-Jul-2024	Tuesday	choppy	17	31	2					
31-Jul-2024	Wednesday	choppy	6	4				87	1123	151
01-Aug-2024	Thursday	calm/rippled	3	2				82	0739	132
02-Aug-2024	Friday	choppy	16	17	9					
03-Aug-2024	Saturday	calm/rippled	18	12						
04-Aug-2024	Sunday	choppy	11	7	1			184	1107	283
05-Aug-2024	Monday (B.C. Day)	choppy	19	8	6					
06-Aug-2024	Tuesday	choppy	3	4						
07-Aug-2024	Wednesday	calm/rippled	17	20	8			58	1418	218
08-Aug-2024	Thursday	choppy	13	15	9					
09-Aug-2024	Friday	calm/rippled	25	18	17					
10-Aug-2024	Saturday	choppy	29	44	24			264	0928	339
11-Aug-2024	Sunday	choppy	26	43	11					
12-Aug-2024	Monday	choppy	17	15	14		3	218	0811	311
13-Aug-2024	Tuesday	choppy	15	24	3					
14-Aug-2024	Wednesday	choppy	43	58	28					
15-Aug-2024	Thursday	choppy	24	27	17					
16-Aug-2024	Friday	choppy	8	11	7					
17-Aug-2024	Saturday	choppy	31	41	28			302	1016	424
18-Aug-2024	Sunday	frequent whitecaps	28	53	22		3			
19-Aug-2024	Monday		5	13	2					
20-Aug-2024	Tuesday	choppy	27	41	42					
21-Aug-2024	Wednesday	choppy	37	31	57					
22-Aug-2024	Thursday	choppy	11	5	14			224	0900	305
23-Aug-2024	Friday	calm/rippled	28	22	19					
24-Aug-2024	Saturday	choppy	38	35	23			285	0825	375
25-Aug-2024	Sunday	choppy	6	4	2					
26-Aug-2024	Monday	choppy	7	7	3					
27-Aug-2024	Tuesday	choppy	9	11	4			198	0754	295
28-Aug-2024	Wednesday	calm/rippled	28	27	13					
29-Aug-2024	Thursday	calm/rippled	9	6	5					
30-Aug-2024	Friday		0							
31-Aug-2024	Saturday	choppy	44	35	29			367	0750	506
01-Sep-2024	Sunday	frequent whitecaps	10	3	4					
02-Sep-2024	Monday (Labour Day)	choppy	31	19	15			81	1358	341
03-Sep-2024	Tuesday	choppy	11	19	11					
	Totals	choppy	345	374	271		3	156*		252*
	Totals	choppy	250	282	146		3	280*		385*

* 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	252	21	5292	1.084	0.786		0.009	5737	4160		48
Weekend	385	10	3850	1.128	0.584		0.012	4343	2248		46

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2019	August	7114	6830	4400		91
2020	August	5499	6816	1288		18
2021	August	6869	11005	2782	0	0
2022	August	6605	7356	3940		16
2023	August	7851	13544	6046	15	33
2024	August	9153	9633	6068		180
5-Yr Avg	August	6788	9110	3691	8	32

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
---------	--------------------	-----------------	-----------------------	-------------------	----------------	----------------------	-----------------------

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	558	14%
iRec Anglers	19180	10%

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

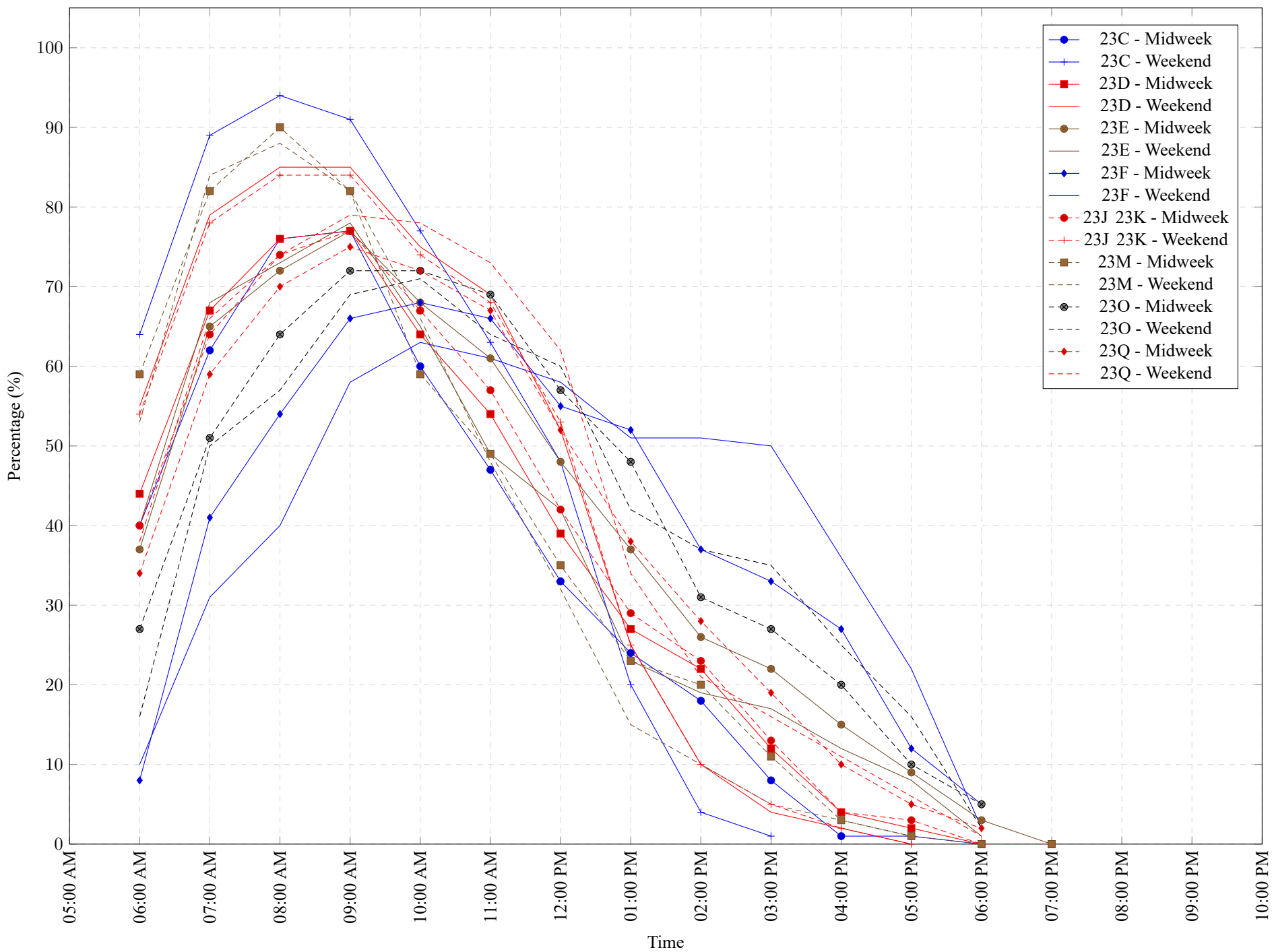


Table 7: Proportion of each day's fishing by hour.

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	Midweek	40%	62%	76%	77%	60%	47%	33%	24%	18%	8%	1%	1%	0%	0%	0%	0%	0%
23C	Weekend	64%	89%	94%	91%	77%	63%	48%	20%	4%	1%	0%	0%	0%	0%	0%	0%	0%
23D	Midweek	44%	67%	76%	77%	64%	54%	39%	27%	22%	12%	4%	2%	0%	0%	0%	0%	0%
23D	Weekend	55%	79%	85%	85%	75%	69%	52%	25%	10%	4%	2%	0%	0%	0%	0%	0%	0%
23E	Midweek	37%	65%	72%	77%	68%	61%	48%	37%	26%	22%	15%	9%	3%	0%	0%	0%	0%
23E	Weekend	40%	68%	73%	78%	65%	49%	42%	23%	19%	17%	12%	8%	1%	0%	0%	0%	0%
23F	Midweek	8%	41%	54%	66%	68%	66%	55%	52%	37%	33%	27%	12%	5%	0%	0%	0%	0%
23F	Weekend	10%	31%	40%	58%	63%	61%	58%	51%	51%	50%	36%	22%	2%	0%	0%	0%	0%
23J 23K	Midweek	40%	64%	74%	77%	67%	57%	42%	29%	23%	13%	4%	3%	0%	0%	0%	0%	0%
23J 23K	Weekend	54%	78%	84%	84%	74%	68%	53%	25%	10%	5%	2%	0%	0%	0%	0%	0%	0%
23M	Midweek	59%	82%	90%	82%	59%	49%	35%	23%	20%	11%	3%	1%	0%	0%	0%	0%	0%
23M	Weekend	53%	84%	88%	82%	66%	48%	32%	15%	10%	5%	3%	1%	0%	0%	0%	0%	0%
23O	Midweek	27%	51%	64%	72%	72%	69%	57%	48%	31%	27%	20%	10%	5%	0%	0%	0%	0%
23O	Weekend	16%	50%	57%	69%	71%	64%	60%	42%	37%	35%	25%	16%	2%	0%	0%	0%	0%
23Q	Midweek	34%	59%	70%	75%	72%	67%	52%	38%	28%	19%	10%	5%	2%	0%	0%	0%	0%
23Q	Weekend	38%	66%	74%	79%	78%	73%	62%	34%	21%	16%	11%	6%	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	Pat Leslie Boat Launch	Poett Nook	Tofino Resort and Marina	Ucluelet Gov Dock
29 Jul 2024	Midweek									choppy		calm/rippled
30 Jul 2024	Midweek	frequent whitecaps				choppy	choppy					
31 Jul 2024	Midweek			calm/rippled					choppy			
01 Aug 2024	Midweek					calm/rippled						
02 Aug 2024	Midweek			choppy								
03 Aug 2024	Weekend						calm/rippled				calm/rippled	calm/rippled
04 Aug 2024	Weekend							choppy				calm/rippled
05 Aug 2024	Weekend			calm/rippled		calm/rippled	choppy					choppy
06 Aug 2024	Midweek			choppy								
07 Aug 2024	Midweek	choppy					calm/rippled					calm/rippled
08 Aug 2024	Midweek					calm/rippled		choppy				
09 Aug 2024	Midweek									calm/rippled		calm/rippled
10 Aug 2024	Weekend			choppy			choppy					calm/rippled
11 Aug 2024	Weekend			frequent whitecaps		choppy		frequent whitecaps				
12 Aug 2024	Midweek	frequent whitecaps		frequent whitecaps								calm/rippled
13 Aug 2024	Midweek		choppy	frequent whitecaps								calm/rippled
14 Aug 2024	Midweek	choppy		choppy		calm/rippled	choppy					
15 Aug 2024	Midweek									frequent whitecaps		calm/rippled
16 Aug 2024	Midweek	choppy							choppy			
17 Aug 2024	Weekend					calm/rippled	choppy					
18 Aug 2024	Weekend		large swells	choppy				frequent whitecaps				calm/rippled
19 Aug 2024	Midweek											
20 Aug 2024	Midweek			choppy			choppy					calm/rippled
21 Aug 2024	Midweek	choppy				choppy	choppy					
22 Aug 2024	Midweek			choppy								choppy
23 Aug 2024	Midweek					calm/rippled				choppy		
24 Aug 2024	Weekend						frequent whitecaps					calm/rippled
25 Aug 2024	Weekend	frequent whitecaps				calm/rippled						
26 Aug 2024	Midweek			choppy		choppy						
27 Aug 2024	Midweek				choppy							choppy
28 Aug 2024	Midweek						calm/rippled		calm/rippled			
29 Aug 2024	Midweek			calm/rippled				calm/rippled				
30 Aug 2024	Midweek											
31 Aug 2024	Weekend	frequent whitecaps			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					