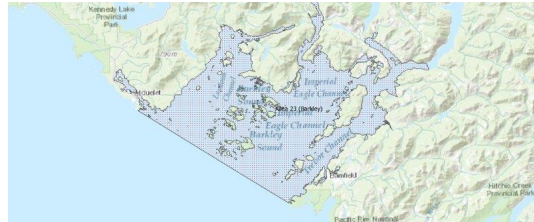


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Barkley) June 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Sunday 14th 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 Marina	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	AM	AM	AM	MD	PM	AM	MD	MD	PM	AM	MD	PM	AM	MD	MD	AM	MD	PM	AM	MD	PM			
29 May 2023	Midweek																								
30 May 2023	Midweek																								
31 May 2023	Midweek																								
01 Jun 2023	Midweek			1																					
02 Jun 2023	Midweek																4								
03 Jun 2023	Weekend			4						10									1						
04 Jun 2023	Weekend			6			6						3						5			1			
05 Jun 2023	Midweek																2			6			3		
06 Jun 2023	Midweek			1													1								
07 Jun 2023	Midweek			2																			3		
08 Jun 2023	Midweek		1											2			1								
09 Jun 2023	Midweek																			10					
10 Jun 2023	Weekend													7			1								
11 Jun 2023	Weekend													1											
12 Jun 2023	Midweek																2			4					
13 Jun 2023	Midweek													3						5					
14 Jun 2023	Midweek																1								
15 Jun 2023	Midweek																								
16 Jun 2023	Midweek	1																					5		
17 Jun 2023	Weekend			3													5						8		
18 Jun 2023	Weekend	1		1																					
19 Jun 2023	Midweek																			1					
20 Jun 2023	Midweek																4			7			2		
21 Jun 2023	Midweek																								
22 Jun 2023	Midweek													1									5		
23 Jun 2023	Midweek																8								
24 Jun 2023	Weekend																						4		
25 Jun 2023	Weekend			5													4						12		
26 Jun 2023	Midweek																						5		
27 Jun 2023	Midweek																22						3		
28 Jun 2023	Midweek																			5			1		
29 Jun 2023	Midweek																								
30 Jun 2023	Midweek																								
01 Jul 2023	Weekend			2													8			9			7		
02 Jul 2023	Weekend																						7		
03 Jul 2023	Weekend						2																5		

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	choppy	7	13	1			13	0730	18
02-Jun-2023	Friday	calm/rippled	5	11						
03-Jun-2023	Saturday	choppy	23	48				46	0728	66
04-Jun-2023	Sunday	choppy	18	26						
05-Jun-2023	Monday	calm/rippled	12	30				28	0724	38
06-Jun-2023	Tuesday	choppy	9	33						
07-Jun-2023	Wednesday	choppy	8	15						
08-Jun-2023	Thursday	calm/rippled	5	16						
09-Jun-2023	Friday	calm/rippled	14	37						
10-Jun-2023	Saturday	choppy	13	42				32	0729	45
11-Jun-2023	Sunday	choppy	4	18						
12-Jun-2023	Monday	choppy	8	11						
13-Jun-2023	Tuesday	frequent whitecaps	12	23	1					
14-Jun-2023	Wednesday		2	7				47	0727	65
15-Jun-2023	Thursday	calm/rippled	1	6						
16-Jun-2023	Friday	calm/rippled	9	27						
17-Jun-2023	Saturday	frequent whitecaps	19	41	3			53	0728	76
18-Jun-2023	Sunday	frequent whitecaps	3	6						
19-Jun-2023	Monday	calm/rippled	5	10	1					
20-Jun-2023	Tuesday	choppy	9	31	4	1				
21-Jun-2023	Wednesday	calm/rippled	7	10	1		1			
22-Jun-2023	Thursday	calm/rippled	6	3	1					
23-Jun-2023	Friday	frequent whitecaps	12	24	2			15	1002	21
24-Jun-2023	Saturday	choppy	19	21	4			45	0802	66
25-Jun-2023	Sunday	choppy	13	18						
26-Jun-2023	Monday	choppy	11	21	1					
27-Jun-2023	Tuesday	choppy	28	27	4					
28-Jun-2023	Wednesday	calm/rippled	9	20	5					
29-Jun-2023	Thursday	choppy	8	23	4					
30-Jun-2023	Friday	calm/rippled	14	23	1			77	1202	134
01-Jul-2023	Saturday	frequent whitecaps	19	25	7			85	0729	122
02-Jul-2023	Sunday	choppy	17	13	1					
03-Jul-2023	Monday (Canada Day)	calm/rippled	10	20						
	Totals	choppy	201	421	26	1	1	36*		55*
	Totals	choppy	112	220	7			44*		63*

* 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	63	8	504	1.964	0.063			990	32		
Midweek	55	22	1210	2.095	0.129	0.005	0.005	2535	156	6	6

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	June	2114	5084	405		8
2019	June	2970	4951	287	36	15
2020	June	1844	1772	315		169
2021	June	1674	3129	485	24	2
2022	June	1657	3116	915	53	16
2023	June	2167	3966	216	13	11
5-Yr Avg	June	2052	3610	481	38	42

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	36	22%	19%	78	45%	9%	7
Chinook	1728	60%	16%	800	49%	35%	281

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	313	43%
iRec Anglers	2724	36%

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

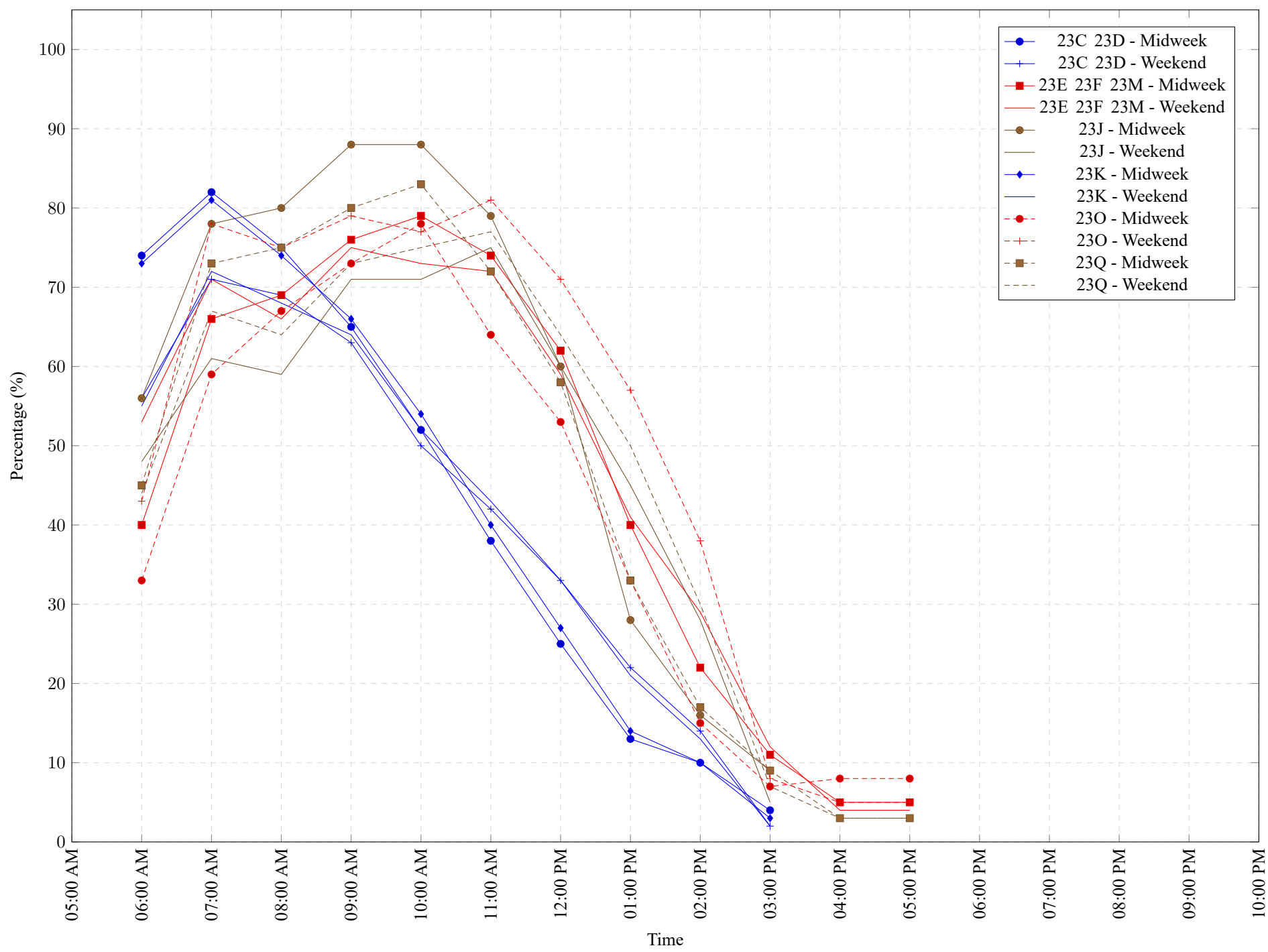


Table 7: Proportion of each day's fishing by hour.

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	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
23C 23D	Midweek	74%	82%	75%	65%	52%	38%	25%	13%	10%	4%	0%	0%	0%	0%	0%	0%	0%
23C 23D	Weekend	56%	71%	69%	63%	50%	42%	33%	22%	14%	2%	0%	0%	0%	0%	0%	0%	0%
23E 23F 23M	Midweek	40%	66%	69%	76%	79%	74%	62%	40%	22%	11%	5%	5%	0%	0%	0%	0%	0%
23E 23F 23M	Weekend	53%	71%	66%	75%	73%	72%	59%	41%	29%	12%	4%	4%	0%	0%	0%	0%	0%
23J	Midweek	56%	78%	80%	88%	88%	79%	60%	28%	16%	9%	0%	0%	0%	0%	0%	0%	0%
23J	Weekend	48%	61%	59%	71%	71%	75%	60%	45%	28%	5%	0%	0%	0%	0%	0%	0%	0%
23K	Midweek	73%	81%	74%	66%	54%	40%	27%	14%	10%	3%	0%	0%	0%	0%	0%	0%	0%
23K	Weekend	55%	72%	68%	64%	52%	43%	33%	21%	13%	2%	0%	0%	0%	0%	0%	0%	0%
23O	Midweek	33%	59%	67%	73%	78%	64%	53%	33%	15%	7%	8%	8%	0%	0%	0%	0%	0%
23O	Weekend	43%	78%	75%	79%	77%	81%	71%	57%	38%	8%	5%	5%	0%	0%	0%	0%	0%
23Q	Midweek	45%	73%	75%	80%	83%	72%	58%	33%	17%	9%	3%	3%	0%	0%	0%	0%	0%
23Q	Weekend	44%	67%	64%	73%	75%	77%	64%	50%	30%	7%	3%	3%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	China Creek	Clutesi Marina	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			calm/rippled				choppy			
02 Jun 2023	Midweek										calm/rippled
03 Jun 2023	Weekend			choppy			choppy				calm/rippled
04 Jun 2023	Weekend			choppy	choppy		choppy				frequent whitecaps
05 Jun 2023	Midweek							choppy			calm/rippled
06 Jun 2023	Midweek			choppy				calm/rippled			choppy
07 Jun 2023	Midweek			calm/rippled	choppy						
08 Jun 2023	Midweek		choppy		calm/rippled		calm/rippled				
09 Jun 2023	Midweek										calm/rippled
10 Jun 2023	Weekend						choppy				
11 Jun 2023	Weekend				frequent whitecaps			choppy			
12 Jun 2023	Midweek				calm/rippled					frequent whitecaps	
13 Jun 2023	Midweek						choppy				large swells
14 Jun 2023	Midweek										
15 Jun 2023	Midweek					calm/rippled					
16 Jun 2023	Midweek	frequent whitecaps									calm/rippled
17 Jun 2023	Weekend			frequent whitecaps			frequent whitecaps				frequent whitecaps
18 Jun 2023	Weekend	frequent whitecaps		frequent whitecaps							
19 Jun 2023	Midweek										calm/rippled
20 Jun 2023	Midweek						choppy				calm/rippled
21 Jun 2023	Midweek							calm/rippled			
22 Jun 2023	Midweek						calm/rippled				calm/rippled
23 Jun 2023	Midweek						frequent whitecaps				
24 Jun 2023	Weekend									choppy	choppy
25 Jun 2023	Weekend			frequent whitecaps		choppy		choppy			
26 Jun 2023	Midweek										choppy
27 Jun 2023	Midweek						choppy				choppy
28 Jun 2023	Midweek										calm/rippled
29 Jun 2023	Midweek					calm/rippled		choppy			
30 Jun 2023	Midweek									calm/rippled	choppy
01 Jul 2023	Weekend							choppy			frequent whitecaps
02 Jul 2023	Weekend			choppy		calm/rippled			frequent whitecaps		
03 Jul 2023	Weekend			choppy							calm/rippled