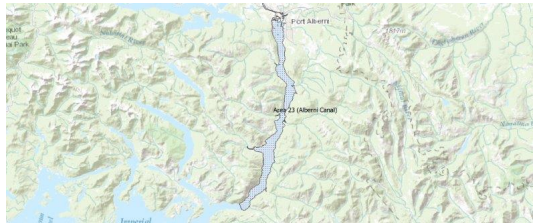


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Alberni Canal) 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			Mills Landing	Poett Nook	
Date	Day Type	AM	MD	AM	MD	AM	MD	PM	MD	AM	PM
29 May 2023	Midweek										
30 May 2023	Midweek										
31 May 2023	Midweek										
01 Jun 2023	Midweek						2				
02 Jun 2023	Midweek	3									
03 Jun 2023	Weekend	10				2					
04 Jun 2023	Weekend		10				4				
05 Jun 2023	Midweek	8									
06 Jun 2023	Midweek					9					
07 Jun 2023	Midweek					6					
08 Jun 2023	Midweek			2							
09 Jun 2023	Midweek										
10 Jun 2023	Weekend										
11 Jun 2023	Weekend										
12 Jun 2023	Midweek	7									
13 Jun 2023	Midweek					4					
14 Jun 2023	Midweek							1			
15 Jun 2023	Midweek										
16 Jun 2023	Midweek	5				4					
17 Jun 2023	Weekend	2					6				
18 Jun 2023	Weekend	13				17					
19 Jun 2023	Midweek				2						
20 Jun 2023	Midweek					15					
21 Jun 2023	Midweek							5			
22 Jun 2023	Midweek					15					
23 Jun 2023	Midweek	13									
24 Jun 2023	Weekend										1
25 Jun 2023	Weekend						10				
26 Jun 2023	Midweek			7							
27 Jun 2023	Midweek	21				14					
28 Jun 2023	Midweek			10			13				
29 Jun 2023	Midweek	26				27			1		
30 Jun 2023	Midweek		10				16			2	
01 Jul 2023	Weekend						13				
02 Jul 2023	Weekend	16				16					
03 Jul 2023	Weekend							3			

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	calm/rippled	2					20	0748	24
02-Jun-2023	Friday	frequent whitecaps	3			5				
03-Jun-2023	Saturday	choppy	12			25		46	0747	58
04-Jun-2023	Sunday	choppy	14			12				
05-Jun-2023	Monday	choppy	8			19		69	0742	82
06-Jun-2023	Tuesday	choppy	9			36				
07-Jun-2023	Wednesday	calm/rippled	6			8				
08-Jun-2023	Thursday	choppy	2			1				
09-Jun-2023	Friday		0							
10-Jun-2023	Saturday		0					88	0748	112
11-Jun-2023	Sunday		0							
12-Jun-2023	Monday	calm/rippled	7			38				
13-Jun-2023	Tuesday	frequent whitecaps	4			11				
14-Jun-2023	Wednesday	frequent whitecaps	1					89	0745	106
15-Jun-2023	Thursday		0							
16-Jun-2023	Friday	choppy	9			9				
17-Jun-2023	Saturday	frequent whitecaps	8			21		160	0746	203
18-Jun-2023	Sunday	frequent whitecaps	30			142				
19-Jun-2023	Monday	choppy	2			6				
20-Jun-2023	Tuesday	calm/rippled	15			102				
21-Jun-2023	Wednesday	frequent whitecaps	5			8				
22-Jun-2023	Thursday	frequent whitecaps	15			86				
23-Jun-2023	Friday	choppy	13			94		120	0945	219
24-Jun-2023	Saturday	choppy	1			4		299	0820	403
25-Jun-2023	Sunday	frequent whitecaps	10			36				
26-Jun-2023	Monday	frequent whitecaps	7			29				
27-Jun-2023	Tuesday	choppy	35			190				
28-Jun-2023	Wednesday	calm/rippled	23			77				
29-Jun-2023	Thursday	choppy	54			184				
30-Jun-2023	Friday	choppy	28			102		32	1219	319
01-Jul-2023	Saturday	frequent whitecaps	13			47		438	0747	557
02-Jul-2023	Sunday	choppy	32			208				
03-Jul-2023	Monday (Canada Day)	choppy	3			12				
	Totals	choppy	248			1005		66*		150*
	Totals	frequent whitecaps	75			240		148*		194*

* 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	150	22	3300			4.052				13372	
Weekend	194	8	1552			3.2				4966	

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	June	2030	44		3526	
2019	June	1479	7		459	0
2020	June	176	139	7	116	20
2021	June	2530	0		6490	0
2022	June	1377	5		2079	0
2023	June	2819	0		10971	0
5-Yr Avg	June	1518	39	7	2534	5

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
Chinook	0	0%		223	48%	3%	7

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	323	0%
iRec Anglers	3676	7%

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

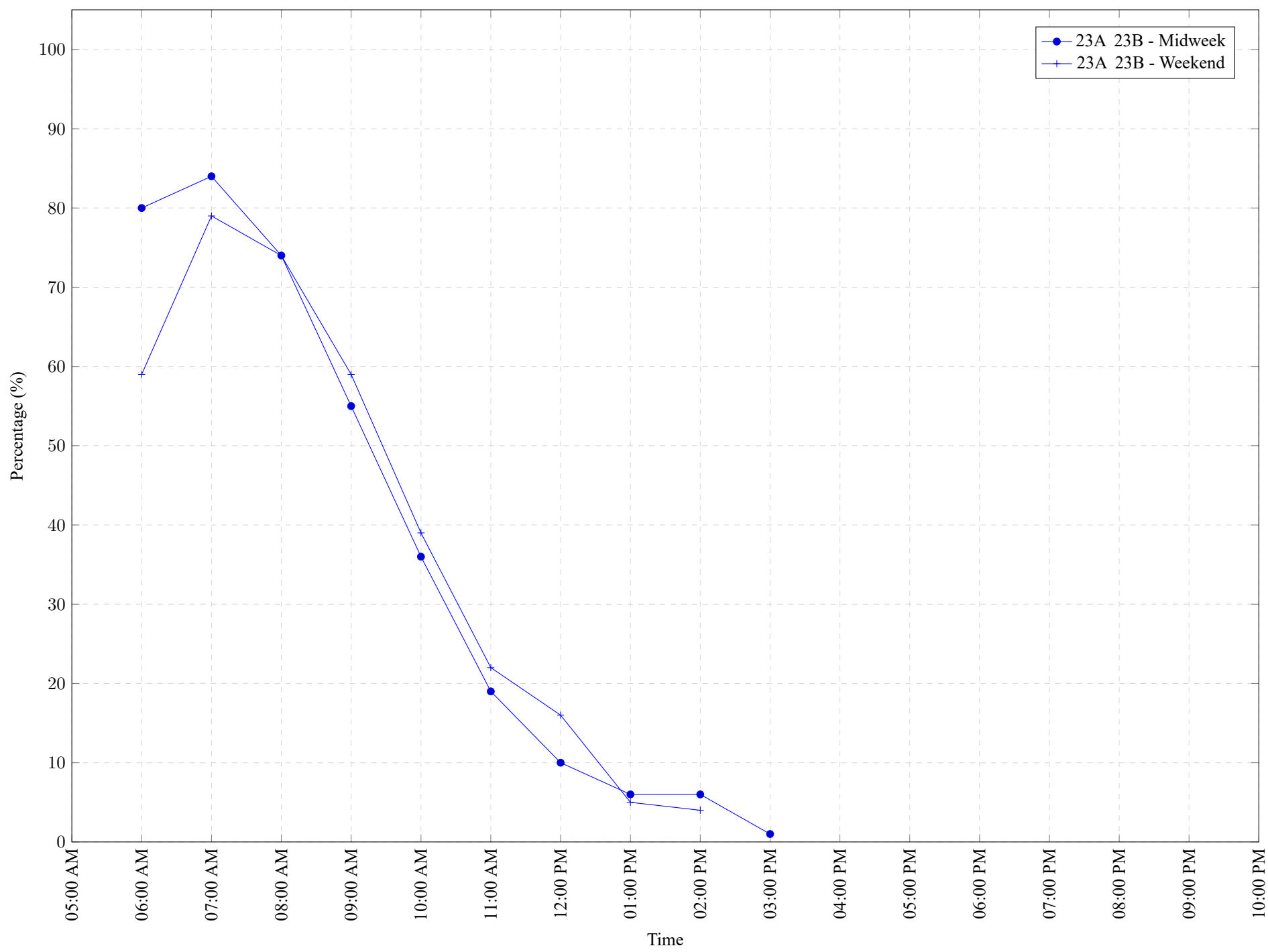


Table 7: Proportion of each day's fishing by hour.

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
23A	23B	Midweek	80%	84%	74%	55%	36%	19%	10%	6%	6%	1%	0%	0%	0%	0%	0%	0%	0%
23A	23B	Weekend	59%	79%	74%	59%	39%	22%	16%	5%	4%	0%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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