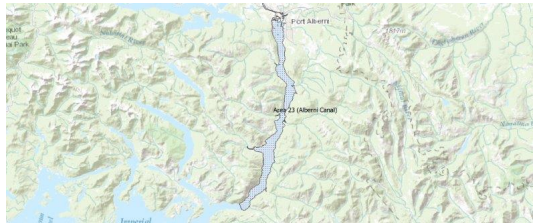


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Alberni Canal) June 2022



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



Fisheries and Oceans
Canada

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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 AM	Clutesi Ramp		
		AM	MD	PM		AM	MD	PM
29 May 2022	Weekend							
30 May 2022	Midweek							
31 May 2022	Midweek							
01 Jun 2022	Midweek							
02 Jun 2022	Midweek							
03 Jun 2022	Midweek					1		
04 Jun 2022	Weekend					1		
05 Jun 2022	Weekend	2						
06 Jun 2022	Midweek							
07 Jun 2022	Midweek							
08 Jun 2022	Midweek							
09 Jun 2022	Midweek							
10 Jun 2022	Midweek							
11 Jun 2022	Weekend	7						
12 Jun 2022	Weekend		9					
13 Jun 2022	Midweek							
14 Jun 2022	Midweek	11						
15 Jun 2022	Midweek							
16 Jun 2022	Midweek					2		
17 Jun 2022	Midweek	14				11		
18 Jun 2022	Weekend					4		
19 Jun 2022	Weekend				2			
20 Jun 2022	Midweek	22						
21 Jun 2022	Midweek	16						
22 Jun 2022	Midweek							1
23 Jun 2022	Midweek					4		
24 Jun 2022	Midweek	22						
25 Jun 2022	Weekend	12						
26 Jun 2022	Weekend							
27 Jun 2022	Midweek							2
28 Jun 2022	Midweek	17						
29 Jun 2022	Midweek				2	1		
30 Jun 2022	Midweek						6	
01 Jul 2022	Weekend	9						
02 Jul 2022	Weekend			3				
03 Jul 2022	Weekend	6				2		

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-2022	Sunday		0							
30-May-2022	Monday		0							
31-May-2022	Tuesday		0							
01-Jun-2022	Wednesday		0					7	0650	10
02-Jun-2022	Thursday		0							
03-Jun-2022	Friday	choppy	1							
04-Jun-2022	Saturday	calm/rippled	1					10	0754	11
05-Jun-2022	Sunday	choppy	2							
06-Jun-2022	Monday		0							
07-Jun-2022	Tuesday		0							
08-Jun-2022	Wednesday		0							
09-Jun-2022	Thursday		0					10	0642	14
10-Jun-2022	Friday		0							
11-Jun-2022	Saturday	choppy	7			29				
12-Jun-2022	Sunday	frequent whitecaps	9			1		56	0749	63
13-Jun-2022	Monday		0					28	0740	36
14-Jun-2022	Tuesday	frequent whitecaps	11			36				
15-Jun-2022	Wednesday		0							
16-Jun-2022	Thursday	calm/rippled	2			12				
17-Jun-2022	Friday	calm/rippled	25			86				
18-Jun-2022	Saturday	calm/rippled	5			1	1	279	0746	317
19-Jun-2022	Sunday	calm/rippled	2			1				
20-Jun-2022	Monday	choppy	22	1		9				
21-Jun-2022	Tuesday	frequent whitecaps	16			3				
22-Jun-2022	Wednesday	calm/rippled	1							
23-Jun-2022	Thursday	calm/rippled	4					115	0742	146
24-Jun-2022	Friday	calm/rippled	22			13				
25-Jun-2022	Saturday	calm/rippled	12			27		178	0759	202
26-Jun-2022	Sunday		0							
27-Jun-2022	Monday	calm/rippled	2			2				
28-Jun-2022	Tuesday	frequent whitecaps	17			24		89	0747	113
29-Jun-2022	Wednesday	calm/rippled	3							
30-Jun-2022	Thursday	calm/rippled	6							
01-Jul-2022	Friday (Canada Day)	choppy	9					169	0822	212
02-Jul-2022	Saturday	choppy	3							
03-Jul-2022	Sunday	calm/rippled	8							
	Totals	choppy	132	1		185		50*		64*
	Totals	choppy	38			59	1	131*		148*

* 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	148	8	1184			1.553	0.026			1839	31
Midweek	64	22	1408	0.008		1.402		11		1974	

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	June	29				
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
5-Yr Avg	June	1249	48	7	2648	7

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	169	1%
iRec Anglers	2379	13%

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

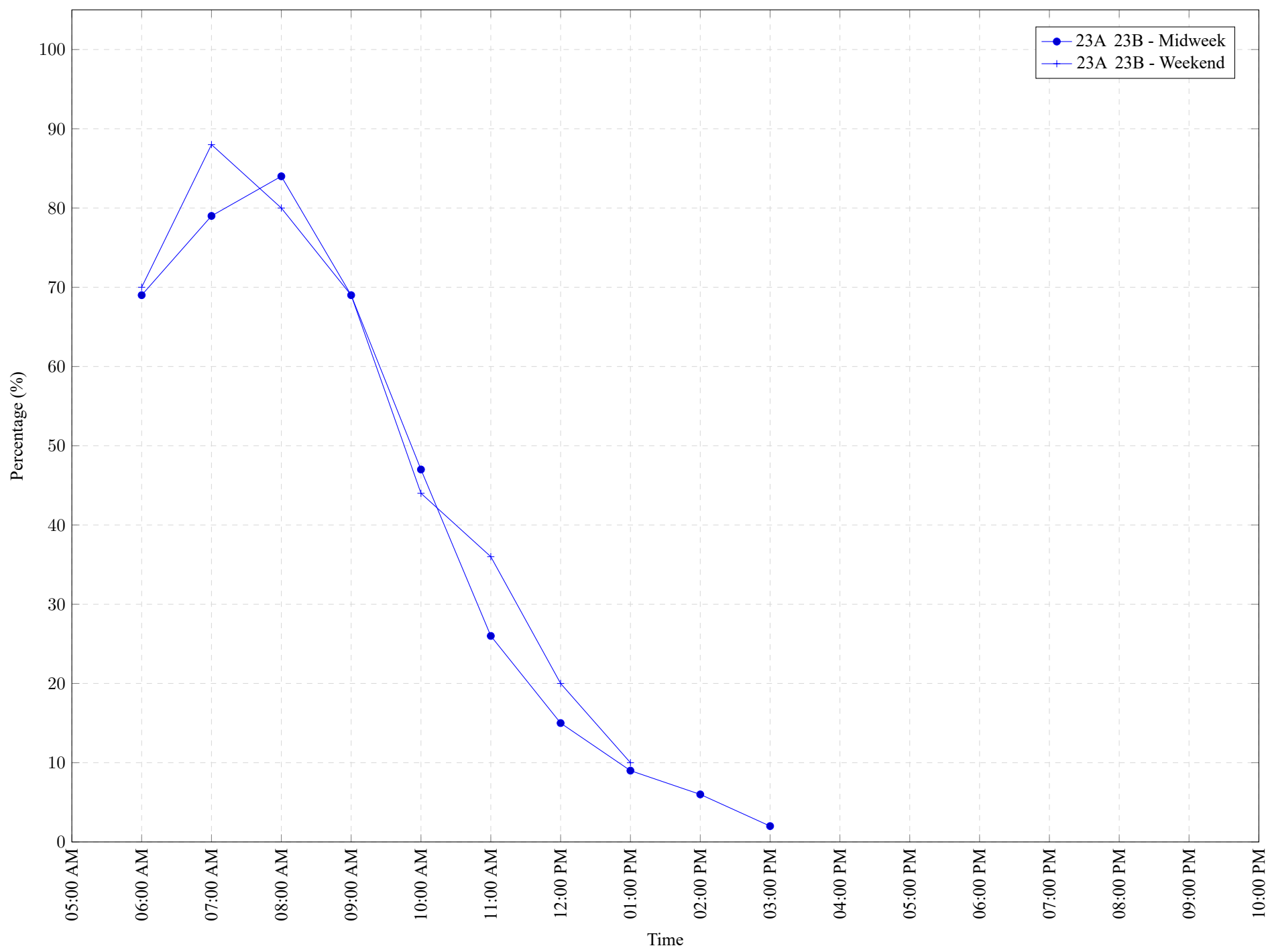


Table 7: Proportion of each day's fishing by hour.

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	69%	79%	84%	69%	47%	26%	15%	9%	6%	2%	0%	0%	0%	0%	0%	0%	0%
23A	23B	Weekend	70%	88%	80%	69%	44%	36%	20%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	China Creek	Clutesi Marina	Clutesi Ramp
29 May 2022	Weekend			
30 May 2022	Midweek			
31 May 2022	Midweek			
01 Jun 2022	Midweek			
02 Jun 2022	Midweek			
03 Jun 2022	Midweek			choppy
04 Jun 2022	Weekend			calm/rippled
05 Jun 2022	Weekend	choppy		
06 Jun 2022	Midweek			
07 Jun 2022	Midweek			
08 Jun 2022	Midweek			
09 Jun 2022	Midweek			
10 Jun 2022	Midweek			
11 Jun 2022	Weekend	choppy		
12 Jun 2022	Weekend	frequent whitecaps		
13 Jun 2022	Midweek			
14 Jun 2022	Midweek	frequent whitecaps		
15 Jun 2022	Midweek			
16 Jun 2022	Midweek			calm/rippled
17 Jun 2022	Midweek	calm/rippled		calm/rippled
18 Jun 2022	Weekend			calm/rippled
19 Jun 2022	Weekend		calm/rippled	
20 Jun 2022	Midweek	choppy		
21 Jun 2022	Midweek	frequent whitecaps		
22 Jun 2022	Midweek			calm/rippled
23 Jun 2022	Midweek			calm/rippled
24 Jun 2022	Midweek	calm/rippled		
25 Jun 2022	Weekend	calm/rippled		
26 Jun 2022	Weekend			
27 Jun 2022	Midweek			calm/rippled
28 Jun 2022	Midweek	frequent whitecaps		
29 Jun 2022	Midweek		calm/rippled	calm/rippled
30 Jun 2022	Midweek			calm/rippled
01 Jul 2022	Weekend	choppy		
02 Jul 2022	Weekend	choppy		
03 Jul 2022	Weekend	calm/rippled		calm/rippled