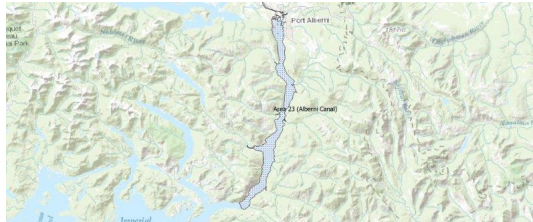


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Alberni Canal) September 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

Date	Day Type	China Creek		Clutesi Marina		Clutesi Ramp		Tyee Landing (Fuel Dock) AM
		AM	MD	AM	MD	AM	PM	
29 Aug 2021	Weekend		9					12
30 Aug 2021	Midweek		6					
31 Aug 2021	Midweek		8					
01 Sep 2021	Midweek	11						
02 Sep 2021	Midweek					6		
03 Sep 2021	Midweek							
04 Sep 2021	Weekend	30				6		
05 Sep 2021	Weekend		18			10		
06 Sep 2021	Weekend	34				7		
07 Sep 2021	Midweek							
08 Sep 2021	Midweek					2		
09 Sep 2021	Midweek	4						
10 Sep 2021	Midweek			3				
11 Sep 2021	Weekend	8						
12 Sep 2021	Weekend					8		
13 Sep 2021	Midweek							
14 Sep 2021	Midweek	2						
15 Sep 2021	Midweek				1			
16 Sep 2021	Midweek							
17 Sep 2021	Midweek							
18 Sep 2021	Weekend							
19 Sep 2021	Weekend							
20 Sep 2021	Midweek							
21 Sep 2021	Midweek							
22 Sep 2021	Midweek							
23 Sep 2021	Midweek						3	
24 Sep 2021	Midweek							
25 Sep 2021	Weekend	2						
26 Sep 2021	Weekend							
27 Sep 2021	Midweek							
28 Sep 2021	Midweek					1		
29 Sep 2021	Midweek							
30 Sep 2021	Midweek							
01 Oct 2021	Midweek							
02 Oct 2021	Weekend							
03 Oct 2021	Weekend							

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-2021	Sunday	choppy	21	12	5					
30-Aug-2021	Monday	choppy	6	3	1	2				
31-Aug-2021	Tuesday	choppy	8					126	0754	205
01-Sep-2021	Wednesday	calm/rippled	11	2	2					
02-Sep-2021	Thursday	calm/rippled	6	2				105	0751	170
03-Sep-2021	Friday		0							
04-Sep-2021	Saturday	calm/rippled	36	3	3	2		509	0739	582
05-Sep-2021	Sunday	calm/rippled	28	1	1	1				
06-Sep-2021	Monday (Labour Day)	calm/rippled	41	2	2					
07-Sep-2021	Tuesday		0							
08-Sep-2021	Wednesday	choppy	2							
09-Sep-2021	Thursday	calm/rippled	4							
10-Sep-2021	Friday	calm/rippled	3		2					
11-Sep-2021	Saturday	calm/rippled	8	1	1					
12-Sep-2021	Sunday	calm/rippled	8					66	0748	75
13-Sep-2021	Monday		0							
14-Sep-2021	Tuesday	calm/rippled	2		1					
15-Sep-2021	Wednesday	calm/rippled	1					24	0845	30
16-Sep-2021	Thursday		0							
17-Sep-2021	Friday		0							
18-Sep-2021	Saturday		0					6	0738	7
19-Sep-2021	Sunday		0							
20-Sep-2021	Monday		0					1	0814	1
21-Sep-2021	Tuesday		0							
22-Sep-2021	Wednesday		0							
23-Sep-2021	Thursday	calm/rippled	3							
24-Sep-2021	Friday		0							
25-Sep-2021	Saturday	choppy	2							
26-Sep-2021	Sunday		0							
27-Sep-2021	Monday		0							
28-Sep-2021	Tuesday	frequent whitecaps	1					4	0819	5
29-Sep-2021	Wednesday		0							
30-Sep-2021	Thursday		0							
01-Oct-2021	Friday		0							
02-Oct-2021	Saturday		0							
03-Oct-2021	Sunday		0							
	Totals	calm/rippled	33	4	5			34*		52*
	Totals	calm/rippled	123	7	7	3		194*		221*

* 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	221	9	1989	0.057	0.057	0.024		113	113	48	
Midweek	52	21	1092	0.121	0.152			132	166		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	September	1508	520	861	13	
2017	September	1451	1012	298		
2018	September	1880	1243	536		
2019	September	1044	134	120		0
2020	September	2470	432	141		0
2021	September	1499	120	112	23	0
5-Yr Avg	September	1671	668	391	13	0

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	30	27%	57%	110	79%	15%	17
Chinook	21	20%	14%	77	30%	4%	3

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	156	0%
iRec Anglers	1830	4%

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

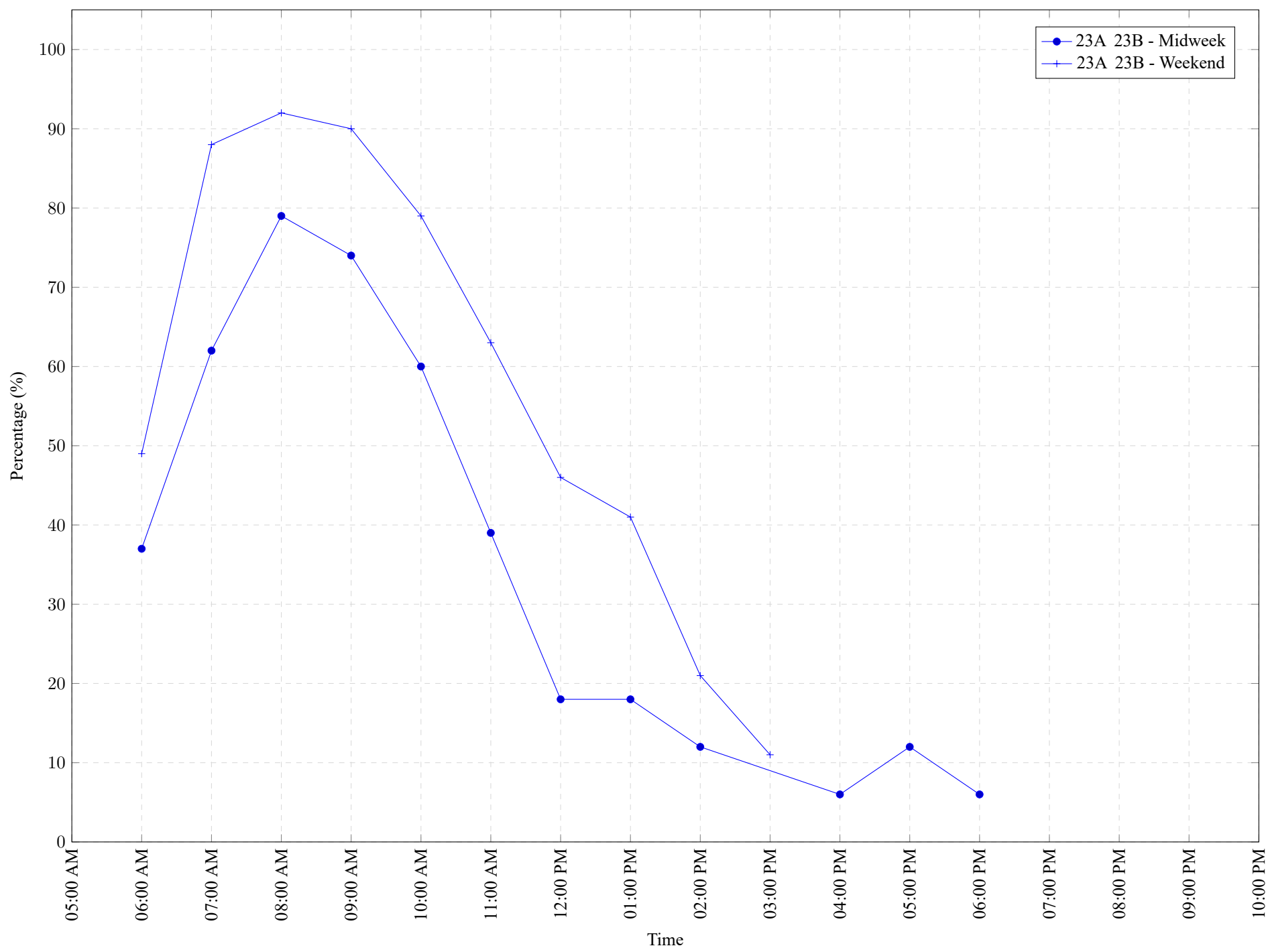


Table 7: Proportion of each day's fishing by hour.

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	37%	62%	79%	74%	60%	39%	18%	18%	12%	0%	6%	12%	6%	0%	0%	0%	0%
23A	23B	Weekend	49%	88%	92%	90%	79%	63%	46%	41%	21%	11%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	China Creek	Clutesi Marina	Clutesi Ramp	Tyee Landing (Fuel Dock)
29 Aug 2021	Weekend	choppy			calm/rippled
30 Aug 2021	Midweek	choppy			
31 Aug 2021	Midweek	choppy			
01 Sep 2021	Midweek	calm/rippled			
02 Sep 2021	Midweek			calm/rippled	
03 Sep 2021	Midweek				
04 Sep 2021	Weekend	calm/rippled		choppy	
05 Sep 2021	Weekend	calm/rippled		calm/rippled	
06 Sep 2021	Weekend	calm/rippled		calm/rippled	
07 Sep 2021	Midweek				
08 Sep 2021	Midweek			choppy	
09 Sep 2021	Midweek	calm/rippled			
10 Sep 2021	Midweek		calm/rippled		
11 Sep 2021	Weekend	calm/rippled			
12 Sep 2021	Weekend			calm/rippled	
13 Sep 2021	Midweek				
14 Sep 2021	Midweek	calm/rippled			
15 Sep 2021	Midweek		calm/rippled		
16 Sep 2021	Midweek				
17 Sep 2021	Midweek				
18 Sep 2021	Weekend				
19 Sep 2021	Weekend				
20 Sep 2021	Midweek				
21 Sep 2021	Midweek				
22 Sep 2021	Midweek				
23 Sep 2021	Midweek			calm/rippled	
24 Sep 2021	Midweek				
25 Sep 2021	Weekend	choppy			
26 Sep 2021	Weekend				
27 Sep 2021	Midweek				
28 Sep 2021	Midweek			frequent whitecaps	
29 Sep 2021	Midweek				
30 Sep 2021	Midweek				
01 Oct 2021	Midweek				
02 Oct 2021	Weekend				
03 Oct 2021	Weekend				