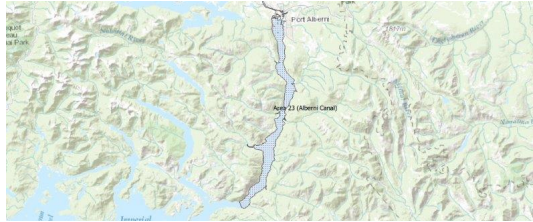


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Alberni Canal) June 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



Fisheries and Oceans
Canada

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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		Eagle Marine (Fuel Dock)	Tyee Landing (Fuel Dock)	
		AM	MD	PM	AM	MD	AM	MD	MD	AM	MD
29 May 2021	Weekend										
30 May 2021	Weekend										
31 May 2021	Midweek										
01 Jun 2021	Midweek										
02 Jun 2021	Midweek										
03 Jun 2021	Midweek										
04 Jun 2021	Midweek										
05 Jun 2021	Weekend	13									
06 Jun 2021	Weekend										
07 Jun 2021	Midweek	13									
08 Jun 2021	Midweek	10									
09 Jun 2021	Midweek										
10 Jun 2021	Midweek						2				
11 Jun 2021	Midweek										
12 Jun 2021	Weekend										
13 Jun 2021	Weekend	11									
14 Jun 2021	Midweek						10				
15 Jun 2021	Midweek	14									
16 Jun 2021	Midweek	21					13				
17 Jun 2021	Midweek				4		6				
18 Jun 2021	Midweek		5								
19 Jun 2021	Weekend									3	
20 Jun 2021	Weekend	20							1		
21 Jun 2021	Midweek										1
22 Jun 2021	Midweek						18				
23 Jun 2021	Midweek							2			
24 Jun 2021	Midweek					1					
25 Jun 2021	Midweek						18				
26 Jun 2021	Weekend			5			18				
27 Jun 2021	Weekend									5	
28 Jun 2021	Midweek				5						
29 Jun 2021	Midweek	18									
30 Jun 2021	Midweek	22									
01 Jul 2021	Weekend	16									
02 Jul 2021	Midweek						17				
03 Jul 2021	Weekend	17					22				

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-2021	Saturday		0							
30-May-2021	Sunday		0							
31-May-2021	Monday		0							
01-Jun-2021	Tuesday		0							
02-Jun-2021	Wednesday		0							
03-Jun-2021	Thursday		0							
04-Jun-2021	Friday		0					2	0749	2
05-Jun-2021	Saturday	choppy	13			35		33	0745	37
06-Jun-2021	Sunday		0							
07-Jun-2021	Monday	calm/rippled	13							
08-Jun-2021	Tuesday	calm/rippled	10			5		70	0752	80
09-Jun-2021	Wednesday		0							
10-Jun-2021	Thursday	choppy	3			9				
11-Jun-2021	Friday		0							
12-Jun-2021	Saturday		1			3		113	0746	126
13-Jun-2021	Sunday	frequent whitecaps	11			17				
14-Jun-2021	Monday	calm/rippled	10			2				
15-Jun-2021	Tuesday	choppy	14			21				
16-Jun-2021	Wednesday	calm/rippled	34			7				
17-Jun-2021	Thursday	calm/rippled	10			8		141	0743	162
18-Jun-2021	Friday	frequent whitecaps	5							
19-Jun-2021	Saturday	frequent whitecaps	3			11		300	0744	335
20-Jun-2021	Sunday	calm/rippled	21			71				
21-Jun-2021	Monday	choppy	1			6		199	0749	227
22-Jun-2021	Tuesday	choppy	18			32				
23-Jun-2021	Wednesday	choppy	2			12				
24-Jun-2021	Thursday	calm/rippled	1			8				
25-Jun-2021	Friday	calm/rippled	19			84				
26-Jun-2021	Saturday	calm/rippled	23			110		418	0747	466
27-Jun-2021	Sunday	choppy	5			23				
28-Jun-2021	Monday	calm/rippled	5			22				
29-Jun-2021	Tuesday	choppy	18			59				
30-Jun-2021	Wednesday	frequent whitecaps	22			80		167	0824	197
01-Jul-2021	Thursday (Canada Day)	calm/rippled	16			121				
02-Jul-2021	Friday	calm/rippled	17			101				
03-Jul-2021	Saturday	calm/rippled	39			285				
	Totals	choppy	185			355		116*		134*
	Totals	choppy	77			270		216*		241*

* 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	134	22	2948			1.919				5657	
Weekend	241	8	1928			3.506				6760	

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	June	4189	0	0	26071	0
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
5-Yr Avg	June	1581	48	4	7543	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	262	2%
iRec Anglers	3035	5%

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

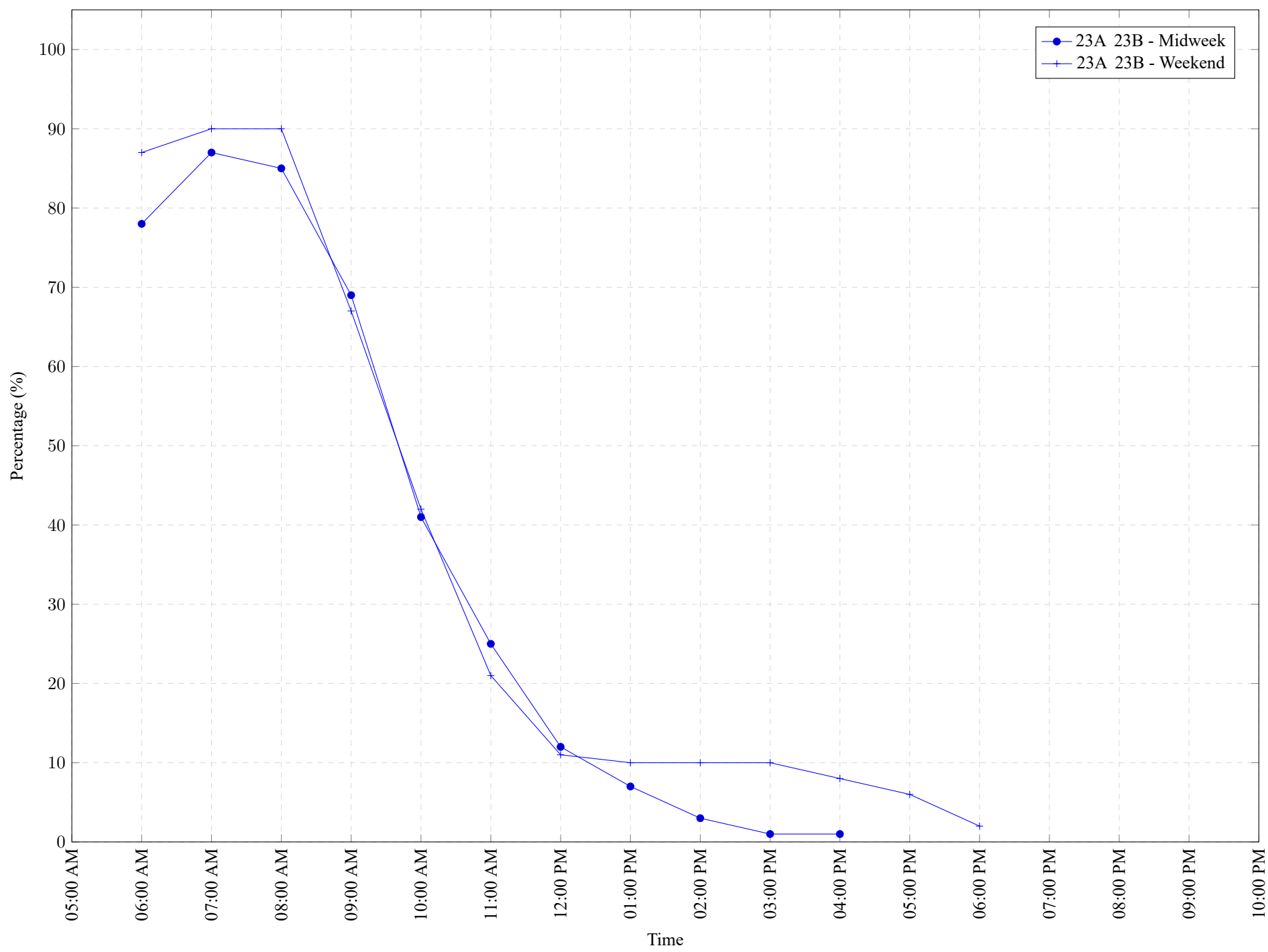


Table 7: Proportion of each day's fishing by hour.

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	78%	87%	85%	69%	41%	25%	12%	7%	3%	1%	1%	0%	0%	0%	0%	0%	0%
23A	23B	Weekend	87%	90%	90%	67%	42%	21%	11%	10%	10%	10%	8%	6%	2%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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