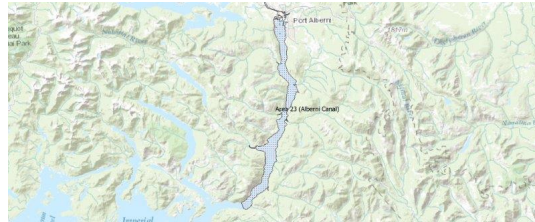


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Alberni Canal) August 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



Fisheries and Oceans
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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	Clutesi Ramp		Eagle Marine (Fuel Dock) PM	Island West MD	Tyee Landing (Fuel Dock) AM
		AM	MD	PM	AM	AM	MD			
29 Jul 2021	Midweek									
30 Jul 2021	Midweek					5				
31 Jul 2021	Weekend	3								
01 Aug 2021	Weekend	8					1			
02 Aug 2021	Weekend									
03 Aug 2021	Midweek	11				4				
04 Aug 2021	Midweek					4				
05 Aug 2021	Midweek	9								
06 Aug 2021	Midweek	9								3
07 Aug 2021	Weekend	17			5					
08 Aug 2021	Weekend					15				
09 Aug 2021	Midweek	18								
10 Aug 2021	Midweek					12				
11 Aug 2021	Midweek	12								6
12 Aug 2021	Midweek	20								
13 Aug 2021	Midweek	19								
14 Aug 2021	Weekend	17				8				
15 Aug 2021	Weekend	33								9
16 Aug 2021	Midweek	20								
17 Aug 2021	Midweek	14								
18 Aug 2021	Midweek			4		14				
19 Aug 2021	Midweek	20								
20 Aug 2021	Midweek		16			21				
21 Aug 2021	Weekend					10		1		
22 Aug 2021	Weekend	27			9					
23 Aug 2021	Midweek					9				
24 Aug 2021	Midweek	26								
25 Aug 2021	Midweek					6				
26 Aug 2021	Midweek				3					
27 Aug 2021	Midweek	25			12					
28 Aug 2021	Weekend	26				8			2	
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									

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-Jul-2021	Thursday		0							
30-Jul-2021	Friday	calm/rippled	5					10	0900	14
31-Jul-2021	Saturday	calm/rippled	3	1				27	1020	43
01-Aug-2021	Sunday	frequent whitecaps	9	8						
02-Aug-2021	Monday (B.C. Day)		0							
03-Aug-2021	Tuesday	choppy	15	11				70	0757	76
04-Aug-2021	Wednesday	calm/rippled	4	6						
05-Aug-2021	Thursday	frequent whitecaps	9	16						
06-Aug-2021	Friday	choppy	12	14						
07-Aug-2021	Saturday	calm/rippled	22	17	1					
08-Aug-2021	Sunday	calm/rippled	15	12				251	0745	282
09-Aug-2021	Monday	calm/rippled	18	11						
10-Aug-2021	Tuesday	calm/rippled	12	14	2					
11-Aug-2021	Wednesday	calm/rippled	18	29		1		231	0748	250
12-Aug-2021	Thursday	choppy	20	38						
13-Aug-2021	Friday	calm/rippled	19	28						
14-Aug-2021	Saturday	choppy	25	28				269	0953	347
15-Aug-2021	Sunday	choppy	42	40	2					
16-Aug-2021	Monday	choppy	20	37						
17-Aug-2021	Tuesday	calm/rippled	14	19				354	0917	493
18-Aug-2021	Wednesday	choppy	18	39	2					
19-Aug-2021	Thursday	choppy	20	31	3					
20-Aug-2021	Friday	choppy	37	71	1					
21-Aug-2021	Saturday	calm/rippled	11	17						
22-Aug-2021	Sunday	choppy	36	67	4			497	0747	558
23-Aug-2021	Monday	calm/rippled	9	8	1					
24-Aug-2021	Tuesday	calm/rippled	26	61	9			331	0749	358
25-Aug-2021	Wednesday	calm/rippled	6	17	3					
26-Aug-2021	Thursday	choppy	3	10						
27-Aug-2021	Friday	calm/rippled	37	51	15					
28-Aug-2021	Saturday	calm/rippled	36	40	25					
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	136
01-Sep-2021	Wednesday	calm/rippled	11	2	2					
02-Sep-2021	Thursday	calm/rippled	6	2				105	0751	114
03-Sep-2021	Friday		0							
	Totals	choppy	331	514	37	3		222*		263*
	Totals	choppy	217	241	37			339*		396*

* 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	396	10	3960	1.111	0.171			4400	677		
Midweek	263	21	5523	1.553	0.112	0.009		8577	619	50	

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	August	2707	1412	234	757	
2017	August	4438	3874	348	151	
2018	August	3089	2022	437		
2019	August	4689	5442	343	0	0
2020	August	4500	4971	141		1
2021	August	4714	6659	627	28	0
5-Yr Avg	August	3885	3544	301	303	1

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	264	45%	12%	220	37%	14%	31
Chinook	482	8%	18%	908	24%	9%	86

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	548	1%
iRec Anglers	6500	9%

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

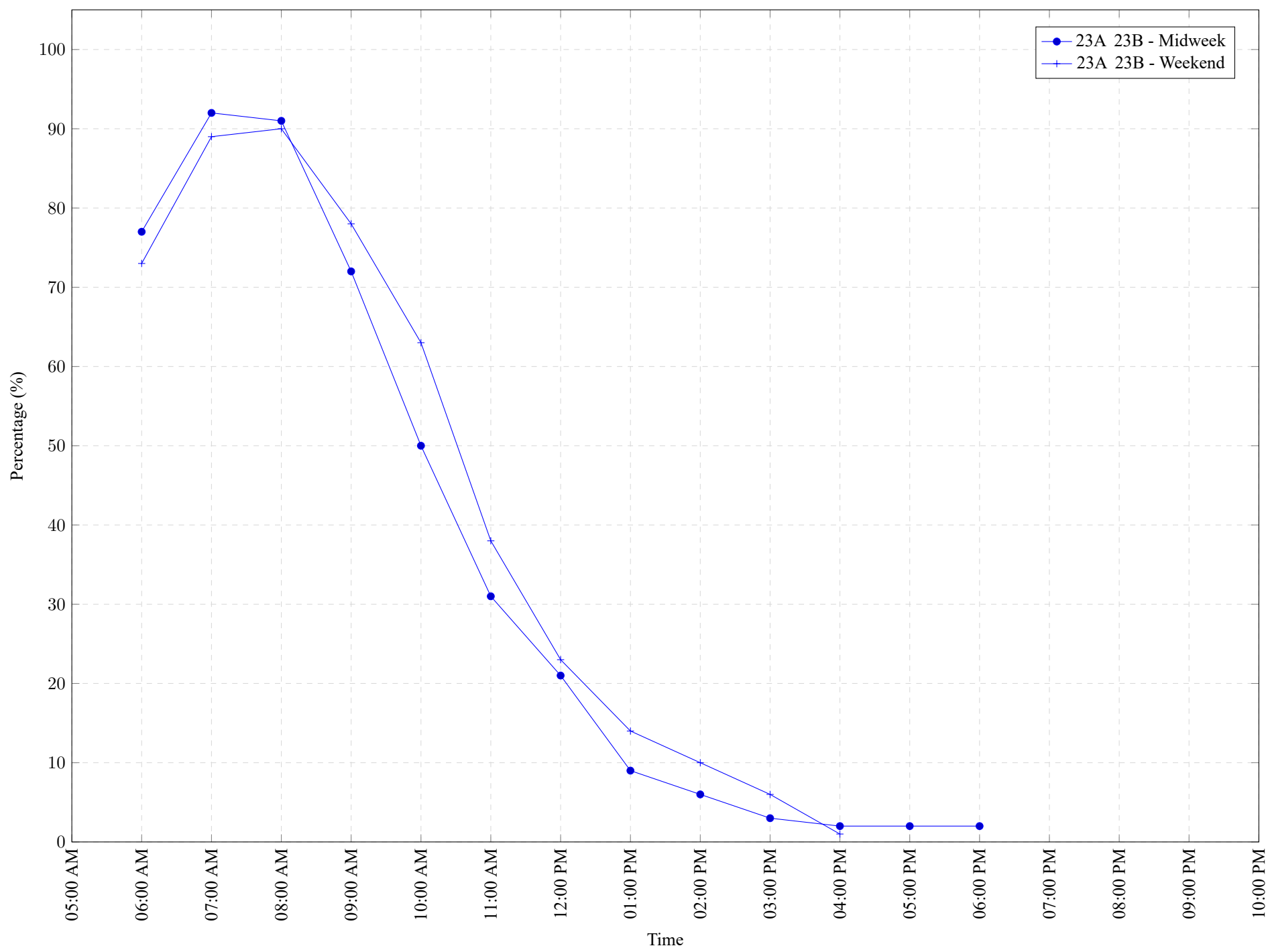


Table 7: Proportion of each day's fishing by hour.

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	77%	92%	91%	72%	50%	31%	21%	9%	6%	3%	2%	2%	2%	0%	0%	0%	0%
23A	23B	Weekend	73%	89%	90%	78%	63%	38%	23%	14%	10%	6%	1%	0%	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	Tyee Landing (Fuel Dock)
29 Jul 2021	Midweek						
30 Jul 2021	Midweek			calm/rippled			
31 Jul 2021	Weekend	calm/rippled					
01 Aug 2021	Weekend	choppy		large swells			
02 Aug 2021	Weekend						
03 Aug 2021	Midweek	choppy		calm/rippled			
04 Aug 2021	Midweek			calm/rippled			
05 Aug 2021	Midweek	frequent whitecaps					
06 Aug 2021	Midweek	choppy					frequent whitecaps
07 Aug 2021	Weekend	calm/rippled	calm/rippled				
08 Aug 2021	Weekend			calm/rippled			
09 Aug 2021	Midweek	calm/rippled					
10 Aug 2021	Midweek			calm/rippled			
11 Aug 2021	Midweek	calm/rippled					calm/rippled
12 Aug 2021	Midweek	choppy					
13 Aug 2021	Midweek	calm/rippled					
14 Aug 2021	Weekend	frequent whitecaps		calm/rippled			
15 Aug 2021	Weekend	choppy					choppy
16 Aug 2021	Midweek	choppy					
17 Aug 2021	Midweek	calm/rippled					
18 Aug 2021	Midweek	frequent whitecaps		calm/rippled			
19 Aug 2021	Midweek	choppy					
20 Aug 2021	Midweek	choppy		calm/rippled			
21 Aug 2021	Weekend			calm/rippled	calm/rippled		
22 Aug 2021	Weekend	choppy	calm/rippled				
23 Aug 2021	Midweek			calm/rippled			
24 Aug 2021	Midweek	calm/rippled					
25 Aug 2021	Midweek			calm/rippled			
26 Aug 2021	Midweek		choppy				
27 Aug 2021	Midweek	calm/rippled	calm/rippled				
28 Aug 2021	Weekend	calm/rippled		calm/rippled		calm/rippled	
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						