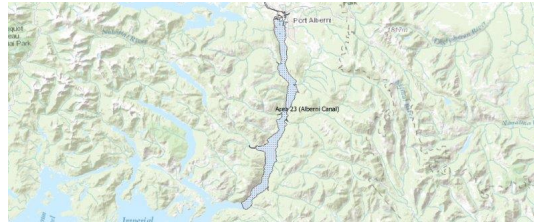


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Alberni Canal) August 2020



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 20th February, 2021



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 Ramp		
		AM	MD	PM	AM	MD	PM
29 Jul 2020	Midweek		1				
30 Jul 2020	Midweek						
31 Jul 2020	Midweek				1		
01 Aug 2020	Weekend	14					
02 Aug 2020	Weekend						
03 Aug 2020	Weekend						
04 Aug 2020	Midweek				4		
05 Aug 2020	Midweek	11					
06 Aug 2020	Midweek					2	
07 Aug 2020	Midweek						
08 Aug 2020	Weekend						
09 Aug 2020	Weekend		2				
10 Aug 2020	Midweek	15					
11 Aug 2020	Midweek				15		
12 Aug 2020	Midweek	15					
13 Aug 2020	Midweek		4				
14 Aug 2020	Midweek						
15 Aug 2020	Weekend	10					
16 Aug 2020	Weekend	19					
17 Aug 2020	Midweek				15		
18 Aug 2020	Midweek				14		
19 Aug 2020	Midweek	20					
20 Aug 2020	Midweek					8	
21 Aug 2020	Midweek						6
22 Aug 2020	Weekend		13				
23 Aug 2020	Weekend				12		
24 Aug 2020	Midweek					8	
25 Aug 2020	Midweek		6				
26 Aug 2020	Midweek	18					
27 Aug 2020	Midweek						
28 Aug 2020	Midweek						4
29 Aug 2020	Weekend				17		
30 Aug 2020	Weekend			3			
31 Aug 2020	Midweek						
01 Sep 2020	Midweek						8
02 Sep 2020	Midweek	16					
03 Sep 2020	Midweek				12		

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-2020	Wednesday	choppy	1	1				13	0932	18
30-Jul-2020	Thursday		0							
31-Jul-2020	Friday	frequent whitecaps	1							
01-Aug-2020	Saturday	choppy	14	2				45	0938	54
02-Aug-2020	Sunday		0					99	0848	107
03-Aug-2020	Monday (B.C. Day)		0							
04-Aug-2020	Tuesday	calm/rippled	4	1						
05-Aug-2020	Wednesday	frequent whitecaps	11	3				55	0847	67
06-Aug-2020	Thursday	frequent whitecaps	2							
07-Aug-2020	Friday		0							
08-Aug-2020	Saturday		0							
09-Aug-2020	Sunday	choppy	2	1						
10-Aug-2020	Monday	calm/rippled	15	14						
11-Aug-2020	Tuesday	choppy	15	7						
12-Aug-2020	Wednesday	choppy	15	11						
13-Aug-2020	Thursday	frequent whitecaps	4	4				254	0745	331
14-Aug-2020	Friday		0							
15-Aug-2020	Saturday	choppy	10	9				384	0742	437
16-Aug-2020	Sunday	calm/rippled	19	22						
17-Aug-2020	Monday	frequent whitecaps	15	11						
18-Aug-2020	Tuesday	calm/rippled	14	24				232	0918	309
19-Aug-2020	Wednesday	choppy	20	41	2					
20-Aug-2020	Thursday	calm/rippled	8	13	1					
21-Aug-2020	Friday	choppy	6	7						
22-Aug-2020	Saturday	choppy	13	15	2			571	0754	650
23-Aug-2020	Sunday	calm/rippled	12	26						
24-Aug-2020	Monday	choppy	8	20						
25-Aug-2020	Tuesday	frequent whitecaps	6	9						
26-Aug-2020	Wednesday	calm/rippled	18	28						
27-Aug-2020	Thursday		0							
28-Aug-2020	Friday	calm/rippled	4	5				392	0825	475
29-Aug-2020	Saturday	calm/rippled	17	16	3			491	0849	528
30-Aug-2020	Sunday	choppy	3							
31-Aug-2020	Monday		0					170	0746	222
01-Sep-2020	Tuesday	calm/rippled	8		1					
02-Sep-2020	Wednesday	calm/rippled	16	1	4					
03-Sep-2020	Thursday	choppy	12	6				163	0846	197
	Totals	choppy	165	198	3			221*		281*
	Totals	choppy	90	91	5			318*		355*

* 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	281	20	5620	1.20	0.0180			6744	101		
Weekend	355	11	3905	1.0110	0.0560			3948	219		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	August	3460	2022	256	7891	
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
5-Yr Avg	August	3677	2954	324	2200	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	19	16%	47%	93	42%	10%	9
Chinook	181	4%	49%	1014	23%	9%	88

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	263	0%
iRec Anglers	5811	8%

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

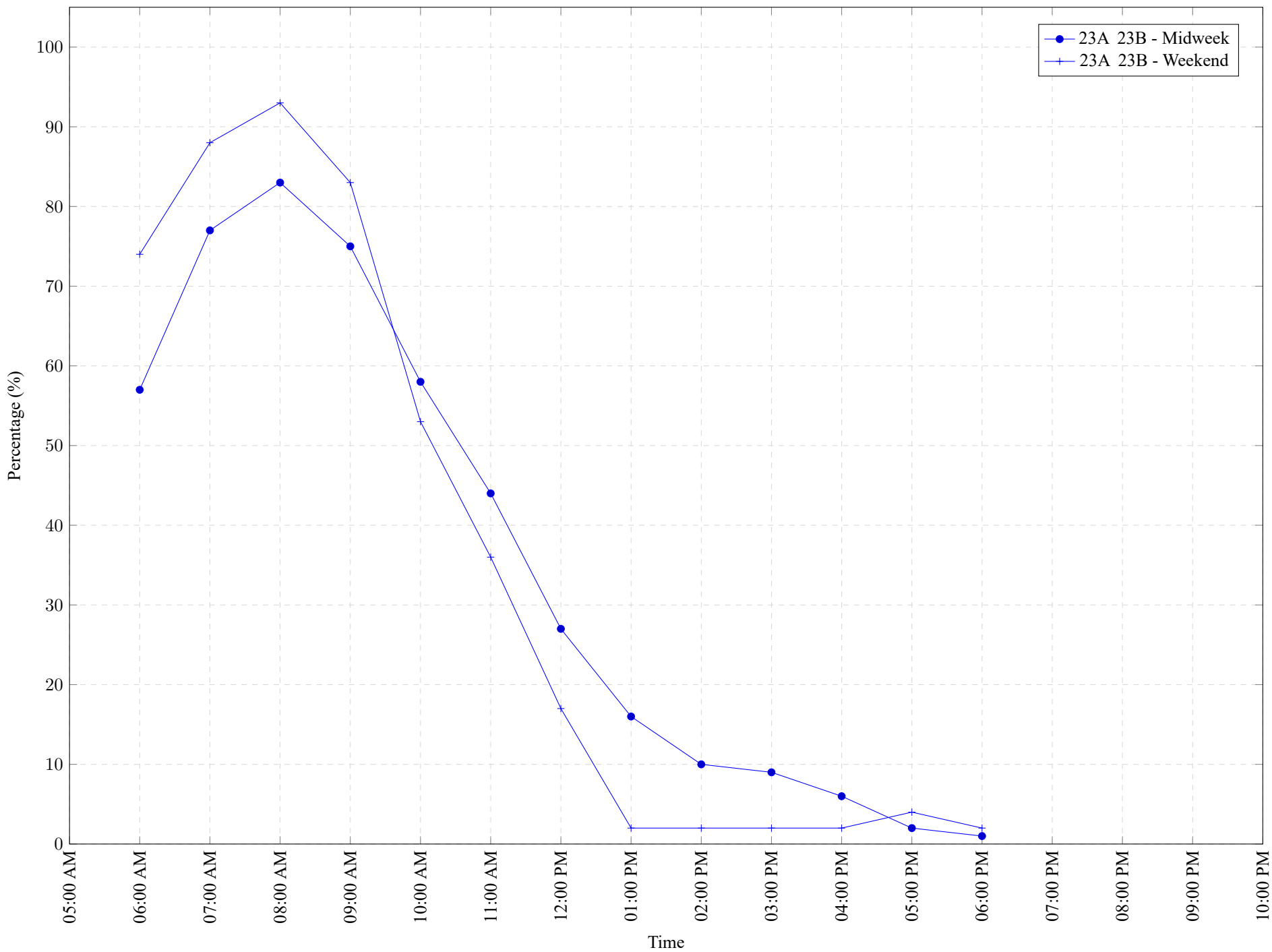


Table 7: Proportion of each day's fishing by hour.

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	57%	77%	83%	75%	58%	44%	27%	16%	10%	9%	6%	2%	1%	0%	0%	0%	0%
23A	23B	Weekend	74%	88%	93%	83%	53%	36%	17%	2%	2%	2%	2%	4%	2%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	China Creek	Clutesi Ramp
29 Jul 2020	Midweek	choppy	
30 Jul 2020	Midweek		
31 Jul 2020	Midweek		frequent whitecaps
01 Aug 2020	Weekend	choppy	
02 Aug 2020	Weekend		
03 Aug 2020	Weekend		
04 Aug 2020	Midweek		calm/rippled
05 Aug 2020	Midweek	frequent whitecaps	
06 Aug 2020	Midweek		frequent whitecaps
07 Aug 2020	Midweek		
08 Aug 2020	Weekend		
09 Aug 2020	Weekend	choppy	
10 Aug 2020	Midweek	calm/rippled	
11 Aug 2020	Midweek		choppy
12 Aug 2020	Midweek	choppy	
13 Aug 2020	Midweek	frequent whitecaps	
14 Aug 2020	Midweek		
15 Aug 2020	Weekend	choppy	
16 Aug 2020	Weekend	calm/rippled	
17 Aug 2020	Midweek		frequent whitecaps
18 Aug 2020	Midweek		calm/rippled
19 Aug 2020	Midweek	choppy	
20 Aug 2020	Midweek		calm/rippled
21 Aug 2020	Midweek		choppy
22 Aug 2020	Weekend	choppy	
23 Aug 2020	Weekend		calm/rippled
24 Aug 2020	Midweek		choppy
25 Aug 2020	Midweek	frequent whitecaps	
26 Aug 2020	Midweek	calm/rippled	
27 Aug 2020	Midweek		
28 Aug 2020	Midweek		calm/rippled
29 Aug 2020	Weekend		calm/rippled
30 Aug 2020	Weekend	choppy	
31 Aug 2020	Midweek		
01 Sep 2020	Midweek		calm/rippled
02 Sep 2020	Midweek	calm/rippled	
03 Sep 2020	Midweek		choppy