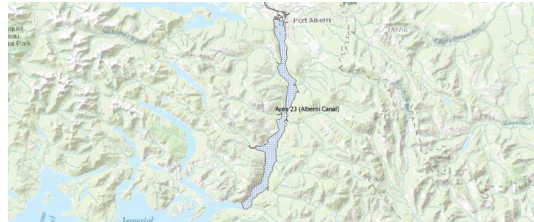


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Alberni Canal) July 2020



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 20th February, 2021



Fisheries and Oceans
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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 Ramp		
		AM	MD	PM	AM	MD	PM
28 Jun 2020	Weekend						
29 Jun 2020	Midweek						
30 Jun 2020	Midweek						
01 Jul 2020	Weekend	20					
02 Jul 2020	Midweek	16					
03 Jul 2020	Midweek						
04 Jul 2020	Weekend	26					
05 Jul 2020	Weekend				22		
06 Jul 2020	Midweek						
07 Jul 2020	Midweek				16		
08 Jul 2020	Midweek						
09 Jul 2020	Midweek				19		
10 Jul 2020	Midweek	19				10	
11 Jul 2020	Weekend				18		
12 Jul 2020	Weekend	20					
13 Jul 2020	Midweek						1
14 Jul 2020	Midweek	12			12		
15 Jul 2020	Midweek						
16 Jul 2020	Midweek					1	
17 Jul 2020	Midweek	12					
18 Jul 2020	Weekend			1			
19 Jul 2020	Weekend				8		
20 Jul 2020	Midweek	14					
21 Jul 2020	Midweek				5		
22 Jul 2020	Midweek						
23 Jul 2020	Midweek						
24 Jul 2020	Midweek						
25 Jul 2020	Weekend		1				
26 Jul 2020	Weekend						
27 Jul 2020	Midweek						
28 Jul 2020	Midweek				2		
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						

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
28-Jun-2020	Sunday		0							
29-Jun-2020	Monday		0							
30-Jun-2020	Tuesday		0					6	0855	6
01-Jul-2020	Wednesday (Canada Day)	frequent whitecaps	20			70				
02-Jul-2020	Thursday	choppy	16			59				
03-Jul-2020	Friday		0							
04-Jul-2020	Saturday	choppy	26			113		227	0744	245
05-Jul-2020	Sunday	calm/rippled	22			62				
06-Jul-2020	Monday		0							
07-Jul-2020	Tuesday	choppy	16			51		76	0749	83
08-Jul-2020	Wednesday		0							
09-Jul-2020	Thursday	choppy	19			39				
10-Jul-2020	Friday	choppy	29			76				
11-Jul-2020	Saturday	frequent whitecaps	18			39		319	0741	345
12-Jul-2020	Sunday	choppy	20			44				
13-Jul-2020	Monday	choppy	1							
14-Jul-2020	Tuesday	calm/rippled	24			23				
15-Jul-2020	Wednesday		0							
16-Jul-2020	Thursday	frequent whitecaps	1							
17-Jul-2020	Friday	choppy	12			9		106	0742	115
18-Jul-2020	Saturday	choppy	1							
19-Jul-2020	Sunday	calm/rippled	8			1				
20-Jul-2020	Monday	calm/rippled	14			12		68	0747	74
21-Jul-2020	Tuesday	frequent whitecaps	5							
22-Jul-2020	Wednesday		0							
23-Jul-2020	Thursday		0							
24-Jul-2020	Friday		0							
25-Jul-2020	Saturday	choppy	1	1				36	0744	39
26-Jul-2020	Sunday		0					19	0743	21
27-Jul-2020	Monday		0							
28-Jul-2020	Tuesday	frequent whitecaps	2							
29-Jul-2020	Wednesday	choppy	1	1				13	0932	19
30-Jul-2020	Thursday		0							
31-Jul-2020	Friday	frequent whitecaps	1							
01-Aug-2020	Saturday	choppy	14	2				45	0938	66
02-Aug-2020	Sunday		0					99	0848	120
03-Aug-2020	Monday (B.C. Day)		0							
	Totals	choppy	141	1		269		66*		73*
	Totals	choppy	116	1		329		150*		163*

* 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	73	22	1606	0.0070		1.9080		11		3064	
Weekend	163	9	1467	0.0090		2.8360		13		4160	

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	July	5317	3	8	42490	
2016	July	5055	0	10	24831	0
2017	July	3240	16		10107	
2018	July	1121	40		1140	
2019	July	564	152	11	69	11
2020	July	1981	12		4604	0
5-Yr Avg	July	3059	42	10	15727	6

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		%		8	100%	13%	1
Chinook	6	50%	50%	12	6%	25%	3

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	260	0%
iRec Anglers	2458	6%

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

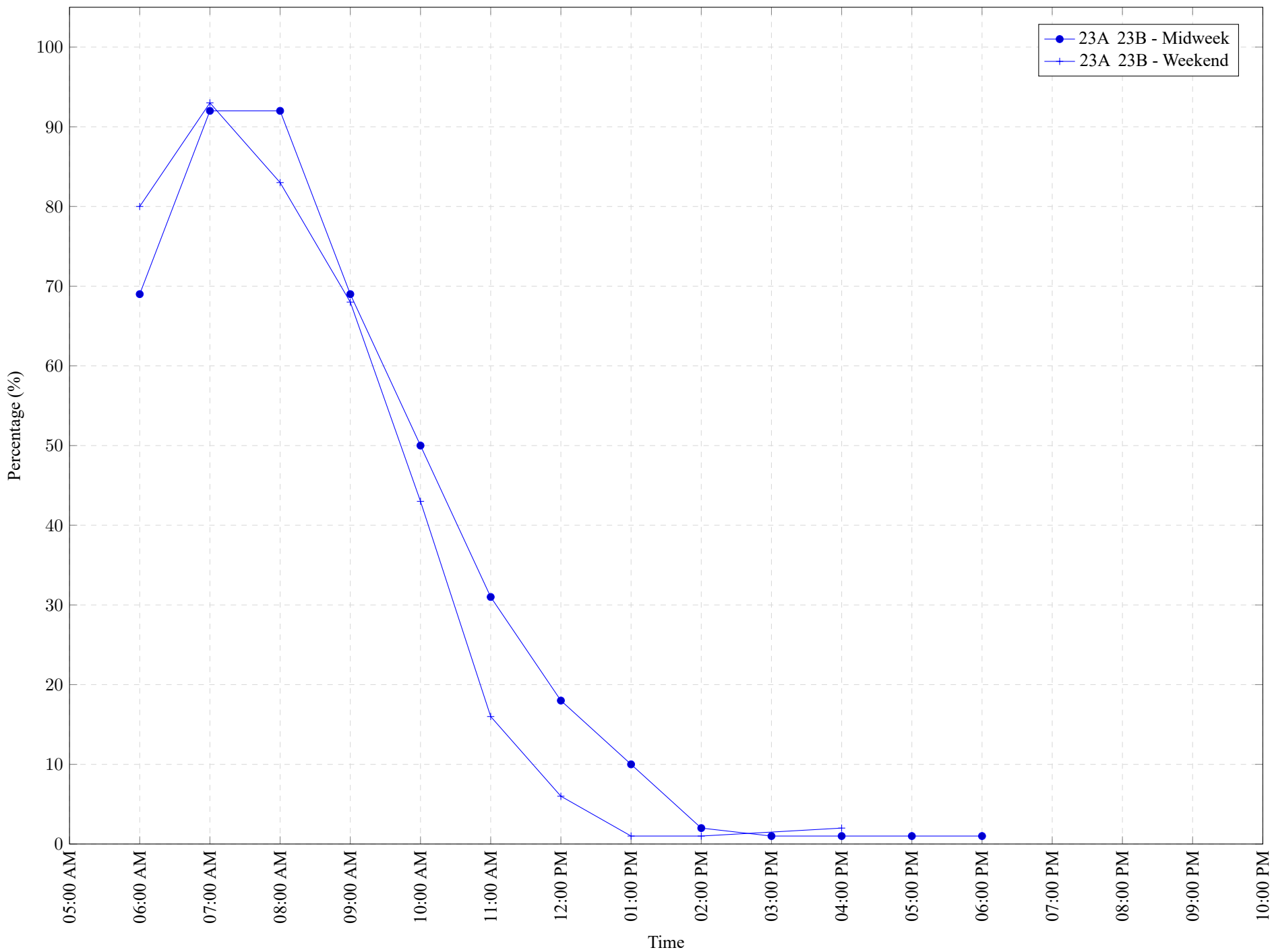


Table 7: Proportion of each day's fishing by hour.

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%	92%	92%	69%	50%	31%	18%	10%	2%	1%	1%	1%	1%	0%	0%	0%	0%
23A	23B	Weekend	80%	93%	83%	68%	43%	16%	6%	1%	1%	0%	2%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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