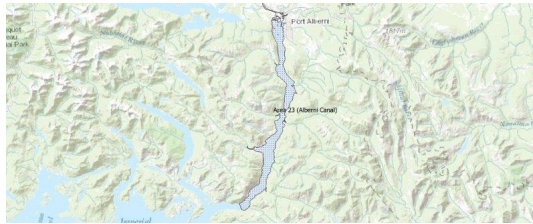


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Alberni Canal) June 2019



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



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 Ramp	
		AM	PM	AM	MD
29 May 2019	Midweek				
30 May 2019	Midweek				
31 May 2019	Midweek				
01 Jun 2019	Weekend			2	
02 Jun 2019	Weekend	5			
03 Jun 2019	Midweek				
04 Jun 2019	Midweek	5			
05 Jun 2019	Midweek				1
06 Jun 2019	Midweek	7			
07 Jun 2019	Midweek			4	
08 Jun 2019	Weekend			6	
09 Jun 2019	Weekend	8			
10 Jun 2019	Midweek			1	
11 Jun 2019	Midweek				
12 Jun 2019	Midweek	8			
13 Jun 2019	Midweek			7	
14 Jun 2019	Midweek			4	
15 Jun 2019	Weekend				9
16 Jun 2019	Weekend		1		
17 Jun 2019	Midweek	19			
18 Jun 2019	Midweek				
19 Jun 2019	Midweek			7	
20 Jun 2019	Midweek	13			
21 Jun 2019	Midweek			9	
22 Jun 2019	Weekend			12	
23 Jun 2019	Weekend				2
24 Jun 2019	Midweek	15			
25 Jun 2019	Midweek			5	
26 Jun 2019	Midweek				
27 Jun 2019	Midweek				
28 Jun 2019	Midweek				
29 Jun 2019	Weekend	12			
30 Jun 2019	Weekend			3	
01 Jul 2019	Weekend				
02 Jul 2019	Midweek				
03 Jul 2019	Midweek	14			

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-2019	Wednesday		0							
30-May-2019	Thursday		0							
31-May-2019	Friday		0							
01-Jun-2019	Saturday	calm/rippled	2							
02-Jun-2019	Sunday	choppy	5			3		42	0848	54
03-Jun-2019	Monday		0							
04-Jun-2019	Tuesday	choppy	5			3		29	0744	30
05-Jun-2019	Wednesday	frequent whitecaps	1							
06-Jun-2019	Thursday	choppy	7	1		5				
07-Jun-2019	Friday	calm/rippled	4							
08-Jun-2019	Saturday	calm/rippled	6					73	0749	95
09-Jun-2019	Sunday	calm/rippled	8			1				
10-Jun-2019	Monday	calm/rippled	1							
11-Jun-2019	Tuesday		0							
12-Jun-2019	Wednesday	calm/rippled	8			1		22	0747	23
13-Jun-2019	Thursday	choppy	7			1				
14-Jun-2019	Friday	calm/rippled	4							
15-Jun-2019	Saturday	frequent whitecaps	9			9		69	0743	90
16-Jun-2019	Sunday	frequent whitecaps	1			2				
17-Jun-2019	Monday	choppy	19			8				
18-Jun-2019	Tuesday		0					45	0745	47
19-Jun-2019	Wednesday	choppy	7							
20-Jun-2019	Thursday	calm/rippled	13			3				
21-Jun-2019	Friday	calm/rippled	9			8				
22-Jun-2019	Saturday	calm/rippled	12			8		166	0914	234
23-Jun-2019	Sunday	choppy	2							
24-Jun-2019	Monday	choppy	15			2		54	0747	57
25-Jun-2019	Tuesday	calm/rippled	5							
26-Jun-2019	Wednesday		0							
27-Jun-2019	Thursday		0							
28-Jun-2019	Friday		0							
29-Jun-2019	Saturday	calm/rippled	12					102	0912	144
30-Jun-2019	Sunday	calm/rippled	3							
01-Jul-2019	Monday (Canada Day)		0							
02-Jul-2019	Tuesday		0							
03-Jul-2019	Wednesday	choppy	14			6		63	0737	65
	Totals	choppy	105	1		31		38*		39*
	Totals	choppy	60			23		90*		123*

* 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	123	10	1230			0.3830				471	
Midweek	39	20	780	0.01		0.2950		8		230	

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	June	2542	0	0	7172	0
2015	June	5481	0	0	38418	0
2016	June	4189	0	0	26071	0
2017	June	29				
2018	June	2030	44		3526	
2019	June	1479	7		459	0
5-Yr Avg	June	2854	11	0	18797	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
Chinook	0	0%		279	39%	0%	1

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	167	0%
iRec Anglers	3245	12%
iRec Responses	101	8%

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

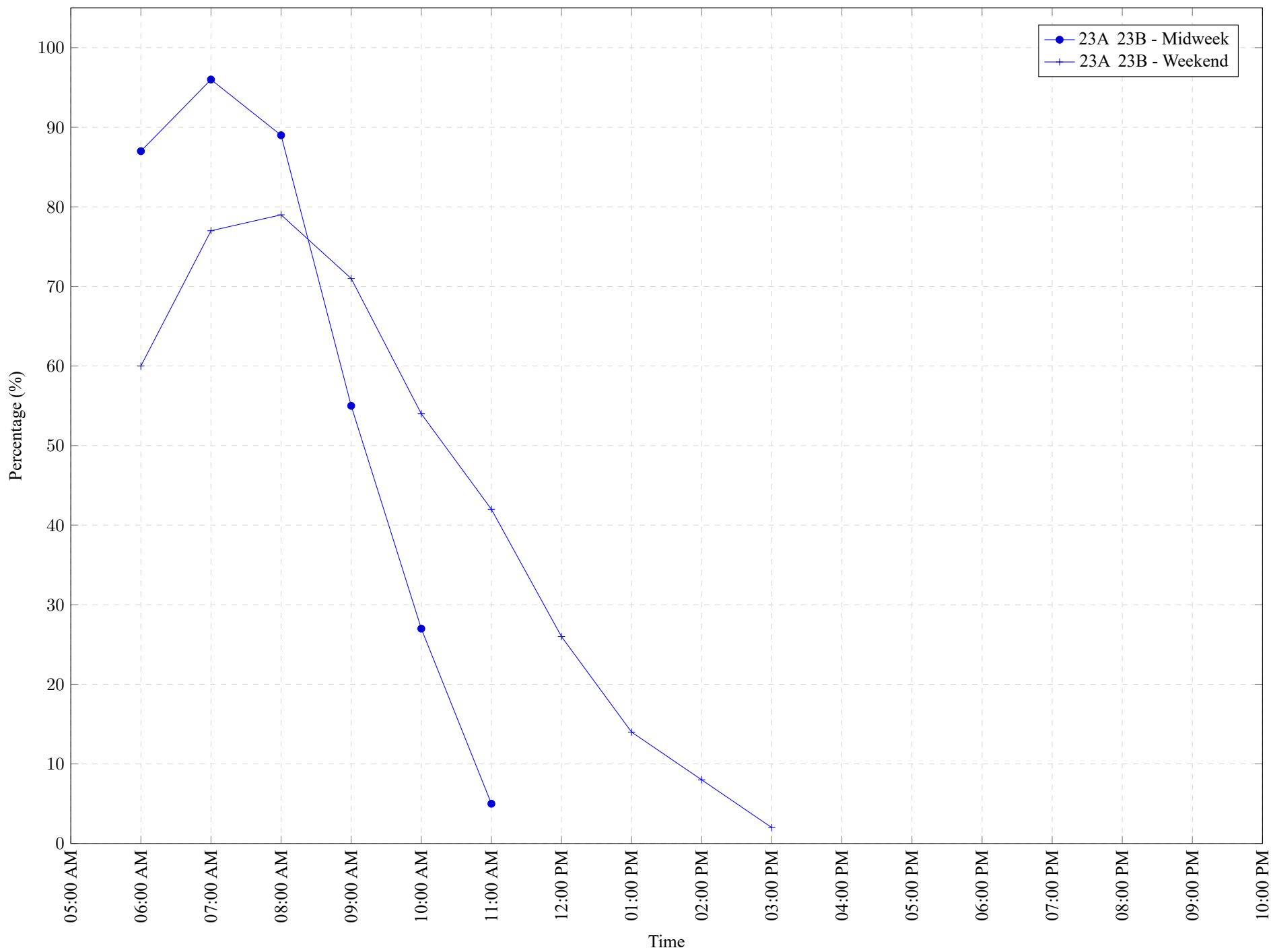


Table 7: Proportion of each day's fishing by hour.

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	87%	96%	89%	55%	27%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
23A	23B	Weekend	60%	77%	79%	71%	54%	42%	26%	14%	8%	2%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	China Creek	Clutesi Ramp
29 May 2019	Midweek		
30 May 2019	Midweek		
31 May 2019	Midweek		
01 Jun 2019	Weekend		calm/rippled
02 Jun 2019	Weekend	choppy	
03 Jun 2019	Midweek		
04 Jun 2019	Midweek	choppy	
05 Jun 2019	Midweek		frequent whitecaps
06 Jun 2019	Midweek	choppy	
07 Jun 2019	Midweek		calm/rippled
08 Jun 2019	Weekend		calm/rippled
09 Jun 2019	Weekend	calm/rippled	
10 Jun 2019	Midweek		calm/rippled
11 Jun 2019	Midweek		
12 Jun 2019	Midweek	calm/rippled	
13 Jun 2019	Midweek		choppy
14 Jun 2019	Midweek		calm/rippled
15 Jun 2019	Weekend		frequent whitecaps
16 Jun 2019	Weekend	frequent whitecaps	
17 Jun 2019	Midweek	choppy	
18 Jun 2019	Midweek		
19 Jun 2019	Midweek		choppy
20 Jun 2019	Midweek	calm/rippled	
21 Jun 2019	Midweek		calm/rippled
22 Jun 2019	Weekend		calm/rippled
23 Jun 2019	Weekend		choppy
24 Jun 2019	Midweek	choppy	
25 Jun 2019	Midweek		calm/rippled
26 Jun 2019	Midweek		
27 Jun 2019	Midweek		
28 Jun 2019	Midweek		
29 Jun 2019	Weekend	calm/rippled	
30 Jun 2019	Weekend		calm/rippled
01 Jul 2019	Weekend		
02 Jul 2019	Midweek		
03 Jul 2019	Midweek	choppy	