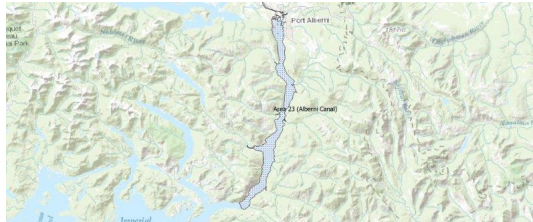


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Alberni Canal) September 2019



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



Fisheries and Oceans
Canada

Pêches et Océans
Canada



Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

Date	Day Type	China Creek			Clutesi Ramp		Ucluelet Gov Dock MD
		AM	MD	PM	AM	MD	
29 Aug 2019	Midweek						
30 Aug 2019	Midweek					5	
31 Aug 2019	Weekend		15				
01 Sep 2019	Weekend				7		
02 Sep 2019	Weekend	31					
03 Sep 2019	Midweek				2		1
04 Sep 2019	Midweek			1			
05 Sep 2019	Midweek						
06 Sep 2019	Midweek						
07 Sep 2019	Weekend	12					
08 Sep 2019	Weekend					11	
09 Sep 2019	Midweek						
10 Sep 2019	Midweek				3		
11 Sep 2019	Midweek		2				
12 Sep 2019	Midweek						
13 Sep 2019	Midweek						
14 Sep 2019	Weekend	1					
15 Sep 2019	Weekend				2		
16 Sep 2019	Midweek						
17 Sep 2019	Midweek	3					
18 Sep 2019	Midweek						
19 Sep 2019	Midweek						
20 Sep 2019	Midweek						
21 Sep 2019	Weekend					2	
22 Sep 2019	Weekend						
23 Sep 2019	Midweek						
24 Sep 2019	Midweek						
25 Sep 2019	Midweek						
26 Sep 2019	Midweek						
27 Sep 2019	Midweek						
28 Sep 2019	Weekend						
29 Sep 2019	Weekend				1		
30 Sep 2019	Midweek						
01 Oct 2019	Midweek						
02 Oct 2019	Midweek						
03 Oct 2019	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-Aug-2019	Thursday		0					250	0848	275
30-Aug-2019	Friday	calm/rippled	5	9	1					
31-Aug-2019	Saturday	calm/rippled	15	15	4			594	0758	764
01-Sep-2019	Sunday	calm/rippled	7							
02-Sep-2019	Monday (Labour Day)	calm/rippled	31	4	4					
03-Sep-2019	Tuesday	calm/rippled	3	1						
04-Sep-2019	Wednesday	choppy	1	1						
05-Sep-2019	Thursday		0							
06-Sep-2019	Friday		0							
07-Sep-2019	Saturday	calm/rippled	12	1	2			232	0822	283
08-Sep-2019	Sunday	choppy	11	2	1					
09-Sep-2019	Monday		0							
10-Sep-2019	Tuesday	calm/rippled	3							
11-Sep-2019	Wednesday	choppy	2					41	0813	45
12-Sep-2019	Thursday		0							
13-Sep-2019	Friday		0							
14-Sep-2019	Saturday	frequent whitecaps	1		1					
15-Sep-2019	Sunday	choppy	2							
16-Sep-2019	Monday		0							
17-Sep-2019	Tuesday	choppy	3							
18-Sep-2019	Wednesday		0					2	0828	2
19-Sep-2019	Thursday		0							
20-Sep-2019	Friday		0							
21-Sep-2019	Saturday	choppy	2					11	0807	13
22-Sep-2019	Sunday		0							
23-Sep-2019	Monday		0					2	0804	2
24-Sep-2019	Tuesday		0							
25-Sep-2019	Wednesday		0							
26-Sep-2019	Thursday		0							
27-Sep-2019	Friday		0							
28-Sep-2019	Saturday		0							
29-Sep-2019	Sunday	choppy	1					4	0914	5
30-Sep-2019	Monday		0							
01-Oct-2019	Tuesday		0							
02-Oct-2019	Wednesday		0							
03-Oct-2019	Thursday		0							
	Totals	choppy	12	2				15*		16*
	Totals	choppy	67	7	8			82*		100*

* 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	16	20	320	0.1670				53			
Weekend	100	10	1000	0.1040	0.1190			104	119		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	September	1333	344	660	23	
2015	September	1760	279	358	286	
2016	September	1508	520	861	13	
2017	September	1451	1012	298		
2018	September	1880	1243	536		
2019	September	1044	134	120		0
5-Yr Avg	September	1586	680	543	107	

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	30	25%	13%	177	49%	2%	4
Chinook	30	28%	40%	158	21%	8%	12

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	79	0%
iRec Anglers	1897	11%
iRec Responses	35	26%

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

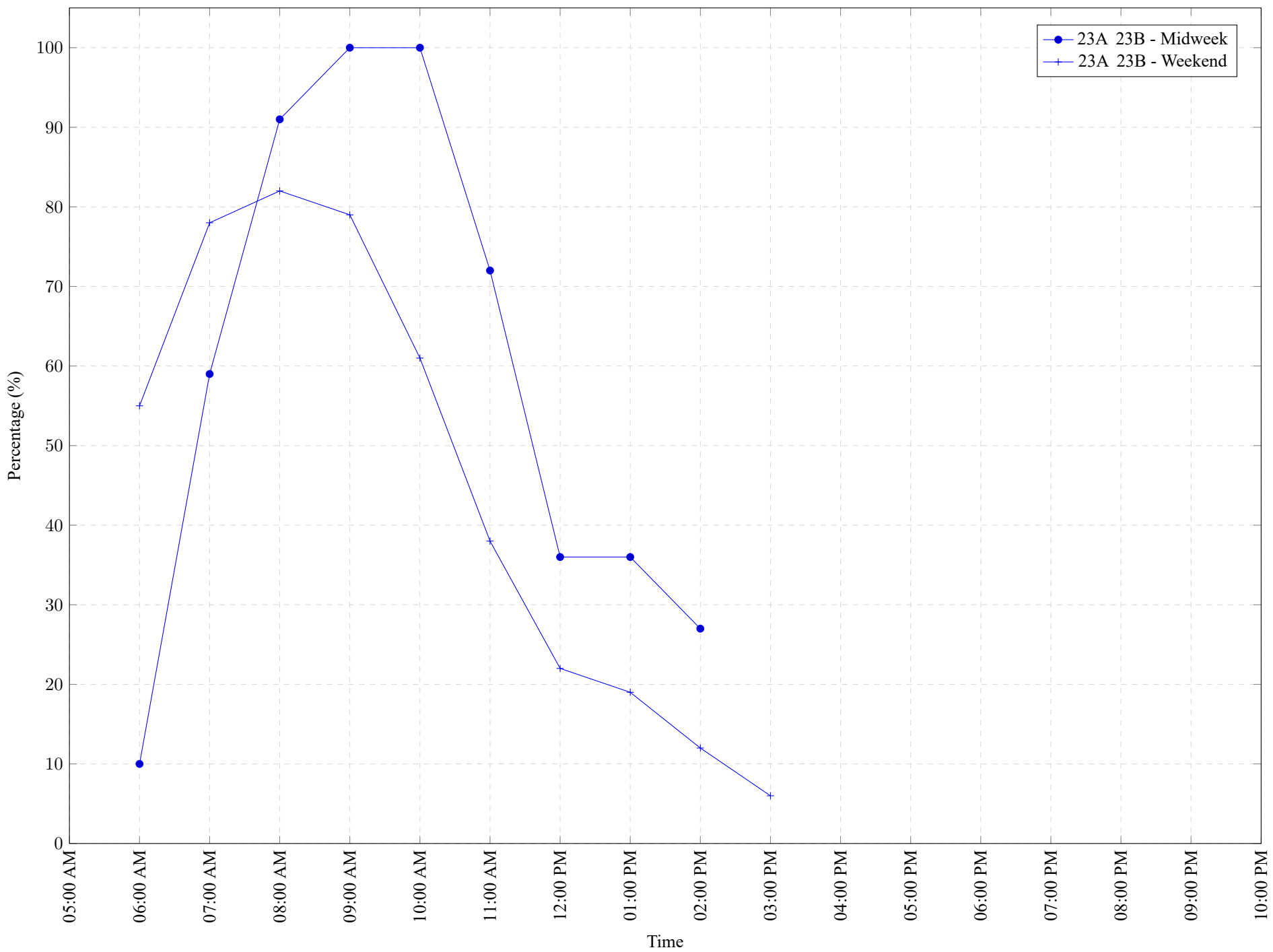


Table 7: Proportion of each day's fishing by hour.

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	10%	59%	91%	100%	100%	72%	36%	36%	27%	0%	0%	0%	0%	0%	0%	0%	0%
23A	23B	Weekend	55%	78%	82%	79%	61%	38%	22%	19%	12%	6%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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