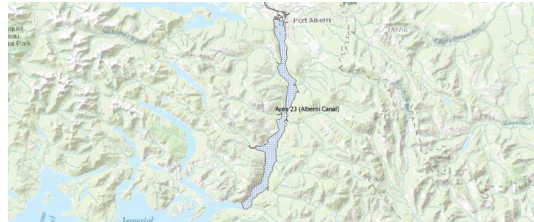


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Alberni Canal) September 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	PM	AM	MD	PM
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		
04 Sep 2020	Midweek					
05 Sep 2020	Weekend	22				
06 Sep 2020	Weekend			12		
07 Sep 2020	Weekend	20				
08 Sep 2020	Midweek					
09 Sep 2020	Midweek					
10 Sep 2020	Midweek				2	
11 Sep 2020	Midweek					
12 Sep 2020	Weekend	5				
13 Sep 2020	Weekend			6		
14 Sep 2020	Midweek					
15 Sep 2020	Midweek					
16 Sep 2020	Midweek					
17 Sep 2020	Midweek				1	
18 Sep 2020	Midweek					
19 Sep 2020	Weekend					
20 Sep 2020	Weekend				5	
21 Sep 2020	Midweek					
22 Sep 2020	Midweek					
23 Sep 2020	Midweek					
24 Sep 2020	Midweek					
25 Sep 2020	Midweek					
26 Sep 2020	Weekend					
27 Sep 2020	Weekend					
28 Sep 2020	Midweek					
29 Sep 2020	Midweek					
30 Sep 2020	Midweek					
01 Oct 2020	Midweek					
02 Oct 2020	Midweek					
03 Oct 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
29-Aug-2020	Saturday	calm/rippled	17	16	3			491	0849	506
30-Aug-2020	Sunday	choppy	3							
31-Aug-2020	Monday		0					170	0746	203
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	180
04-Sep-2020	Friday		0							
05-Sep-2020	Saturday	calm/rippled	22	2	3			669	0856	689
06-Sep-2020	Sunday	calm/rippled	12	1						
07-Sep-2020	Monday (Labour Day)	frequent whitecaps	20	4						
08-Sep-2020	Tuesday		0							
09-Sep-2020	Wednesday		0							
10-Sep-2020	Thursday	choppy	2					44	0755	53
11-Sep-2020	Friday		0							
12-Sep-2020	Saturday	choppy	5							
13-Sep-2020	Sunday	calm/rippled	6							
14-Sep-2020	Monday		0							
15-Sep-2020	Tuesday		0							
16-Sep-2020	Wednesday		0							
17-Sep-2020	Thursday	choppy	1					15	1112	43
18-Sep-2020	Friday		0							
19-Sep-2020	Saturday		0							
20-Sep-2020	Sunday	frequent whitecaps	5		1					
21-Sep-2020	Monday		0					22	0845	24
22-Sep-2020	Tuesday		0							
23-Sep-2020	Wednesday		0							
24-Sep-2020	Thursday		0							
25-Sep-2020	Friday		0							
26-Sep-2020	Saturday		0					7	0845	7
27-Sep-2020	Sunday		0							
28-Sep-2020	Monday		0							
29-Sep-2020	Tuesday		0							
30-Sep-2020	Wednesday		0							
01-Oct-2020	Thursday		0							
02-Oct-2020	Friday		0							
03-Oct-2020	Saturday		0							
	Totals	choppy	39	7	5			61*		75*
	Totals	choppy	70	7	4			338*		348*

* 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	75	21	1575	0.1790	0.1280			282	202		
Weekend	348	9	3132	0.10	0.0570			313	179		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2020	September	2470	432	141		0
5-Yr Avg	September	1529	638	435	150	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	39	28%	18%	48	32%	15%	7
Chinook	39	11%	38%	79	28%	19%	15

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	109	0%
iRec Anglers	1858	4%

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

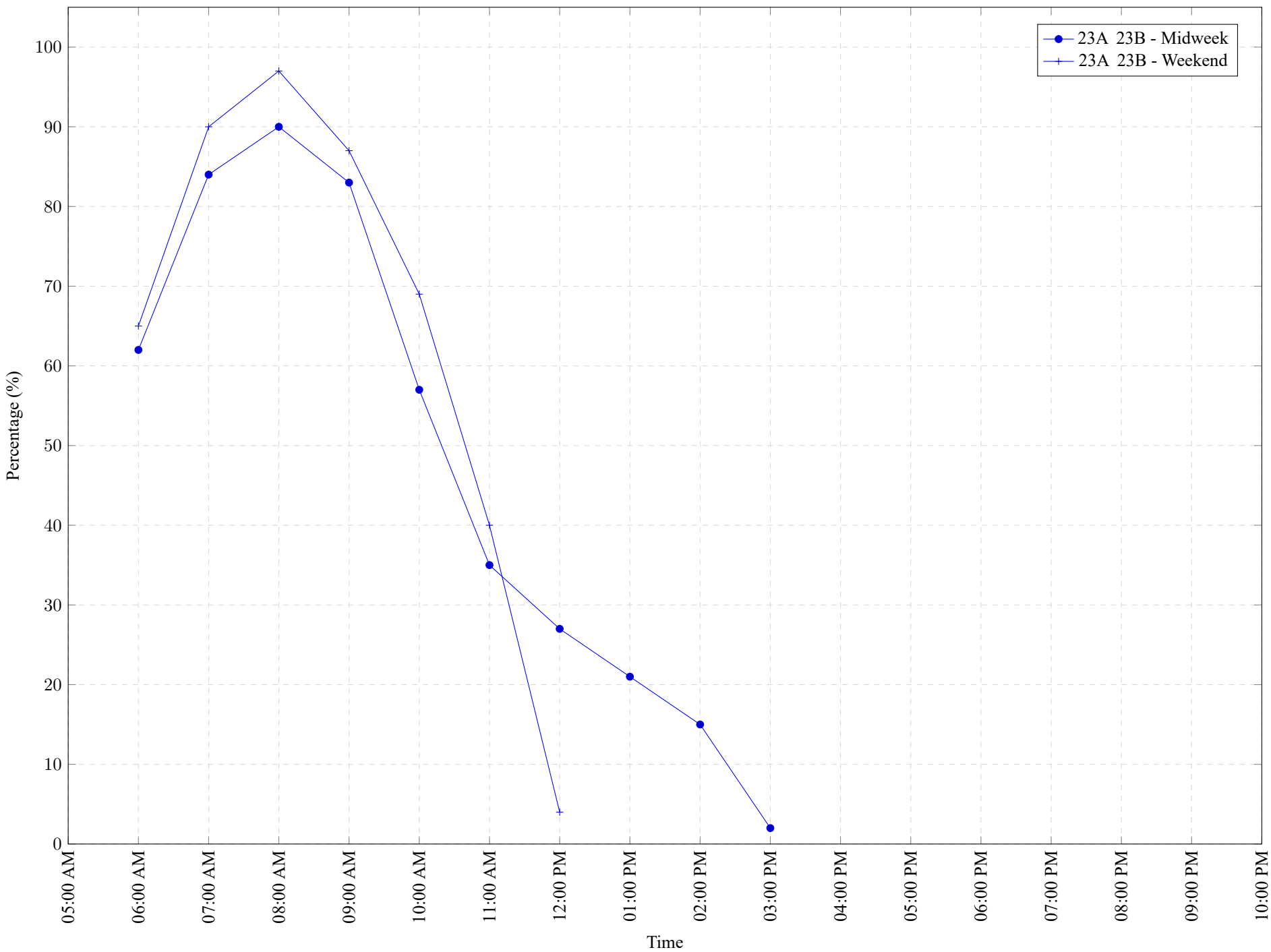


Table 7: Proportion of each day's fishing by hour.

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	62%	84%	90%	83%	57%	35%	27%	21%	15%	2%	0%	0%	0%	0%	0%	0%	0%
23A	23B	Weekend	65%	90%	97%	87%	69%	40%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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