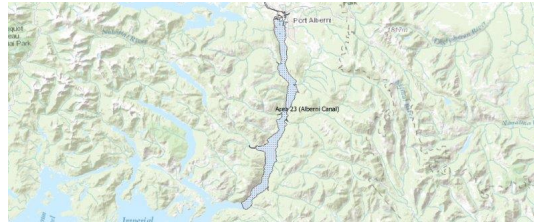


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Alberni Canal) August 2019



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



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

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-2019	Monday		0							
30-Jul-2019	Tuesday	choppy	6	2				38	0747	48
31-Jul-2019	Wednesday	calm/rippled	1							
01-Aug-2019	Thursday	calm/rippled	3	3						
02-Aug-2019	Friday	frequent whitecaps	2							
03-Aug-2019	Saturday	calm/rippled	7	1						
04-Aug-2019	Sunday	calm/rippled	12	7	1			151	0753	167
05-Aug-2019	Monday (B.C. Day)	calm/rippled	5	2						
06-Aug-2019	Tuesday		0							
07-Aug-2019	Wednesday		0							
08-Aug-2019	Thursday		0					169	0833	188
09-Aug-2019	Friday	calm/rippled	19	14						
10-Aug-2019	Saturday	calm/rippled	15	13	1			306	0747	337
11-Aug-2019	Sunday	choppy	9	5						
12-Aug-2019	Monday	calm/rippled	15	16						
13-Aug-2019	Tuesday	calm/rippled	2	1						
14-Aug-2019	Wednesday	calm/rippled	20	21						
15-Aug-2019	Thursday	calm/rippled	14	23	1					
16-Aug-2019	Friday	choppy	9	12				314	0753	393
17-Aug-2019	Saturday	calm/rippled	25	33	1			338	0747	372
18-Aug-2019	Sunday	frequent whitecaps	1							
19-Aug-2019	Monday		0					171	0839	191
20-Aug-2019	Tuesday	calm/rippled	18	13	3					
21-Aug-2019	Wednesday	frequent whitecaps	5	7						
22-Aug-2019	Thursday	calm/rippled	14	21						
23-Aug-2019	Friday	choppy	10	11						
24-Aug-2019	Saturday	frequent whitecaps	4	6	1			353	1003	686
25-Aug-2019	Sunday	calm/rippled	19	49	1					
26-Aug-2019	Monday	calm/rippled	12	35	3					
27-Aug-2019	Tuesday	choppy	5	6	1					
28-Aug-2019	Wednesday	choppy	7	15	1					
29-Aug-2019	Thursday		0					250	0848	278
30-Aug-2019	Friday	calm/rippled	5	9	1					
31-Aug-2019	Saturday	calm/rippled	15	15	4			594	0758	654
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						
	Totals	choppy	160	207	10			226*		263*
	Totals	choppy	112	131	9			348*		443*

* 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	263	21	5523	1.2940	0.0630			7147	348		
Weekend	443	10	4430	1.17	0.08			5183	354		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	August	4886	3077	996	3461	
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
5-Yr Avg	August	3716	2481	454	3065	

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	59	20%	49%	0	0%		29
Chinook	351	7%	29%	1339	20%	8%	103

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	289	0%
iRec Anglers	10176	6%
iRec Responses	208	6%

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

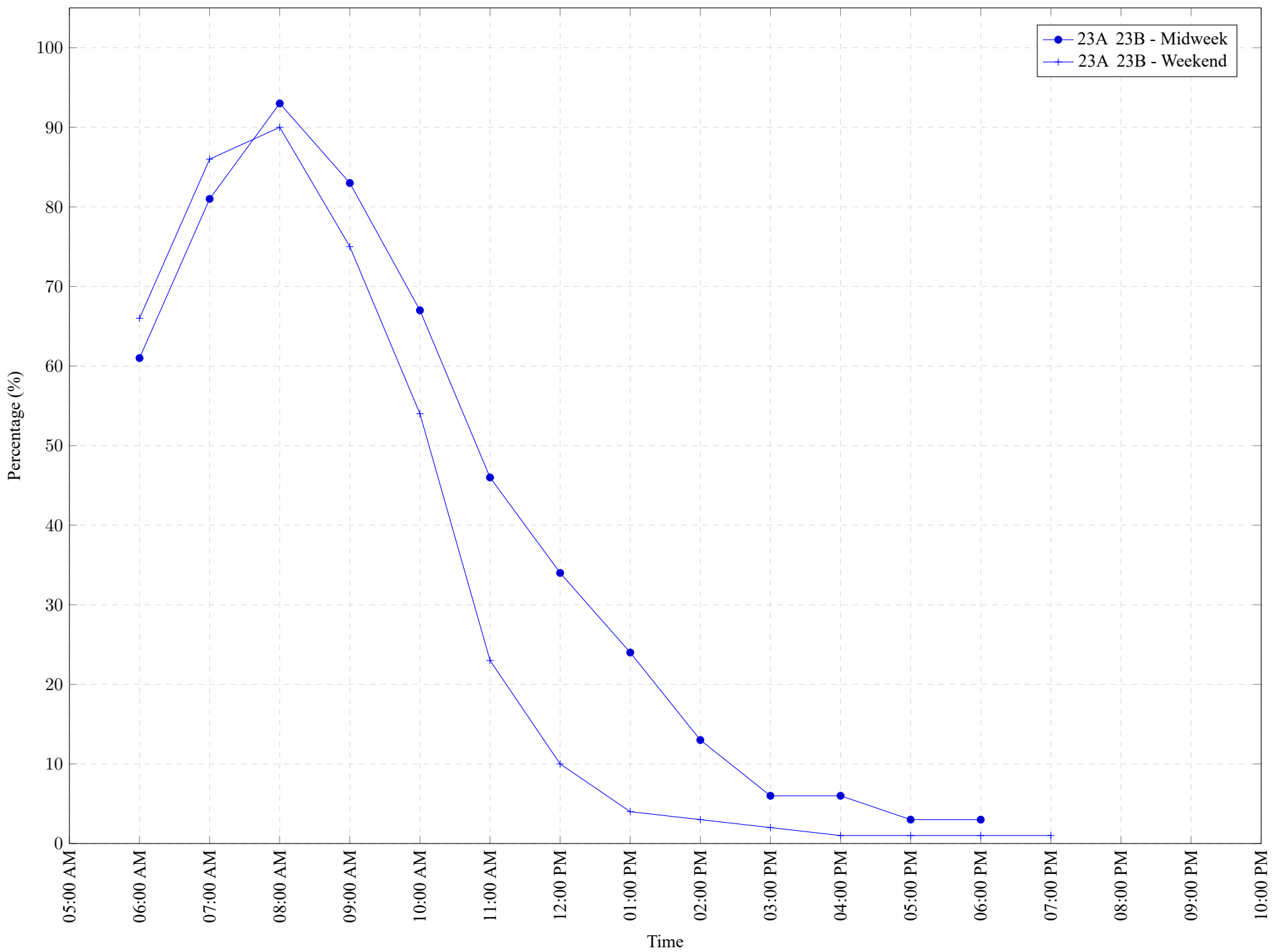


Table 7: Proportion of each day's fishing by hour.

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	61%	81%	93%	83%	67%	46%	34%	24%	13%	6%	6%	3%	3%	0%	0%	0%	0%
23A	23B	Weekend	66%	86%	90%	75%	54%	23%	10%	4%	3%	2%	1%	1%	1%	1%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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