

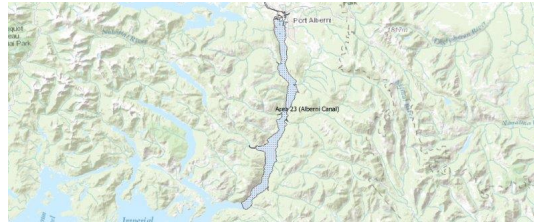
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 23 (Alberni Canal) July 2019



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Thursday 27<sup>th</sup> August, 2020



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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		McKay Bay Gas Dock PM
		AM	MD	AM	PM	
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				
04 Jul 2019	Midweek			3		
05 Jul 2019	Midweek	11				
06 Jul 2019	Weekend					
07 Jul 2019	Weekend			1		
08 Jul 2019	Midweek					
09 Jul 2019	Midweek			1		
10 Jul 2019	Midweek					
11 Jul 2019	Midweek	3				
12 Jul 2019	Midweek					
13 Jul 2019	Weekend			2		
14 Jul 2019	Weekend			3		
15 Jul 2019	Midweek					
16 Jul 2019	Midweek					
17 Jul 2019	Midweek		1			
18 Jul 2019	Midweek					
19 Jul 2019	Midweek					
20 Jul 2019	Weekend					
21 Jul 2019	Weekend	4				
22 Jul 2019	Midweek					
23 Jul 2019	Midweek					
24 Jul 2019	Midweek					
25 Jul 2019	Midweek	5				
26 Jul 2019	Midweek					
27 Jul 2019	Weekend	4				
28 Jul 2019	Weekend				2	1
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		

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-2019	Friday		0							
29-Jun-2019	Saturday	calm/rippled	12					102	0912	131
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	78
04-Jul-2019	Thursday	choppy	3			2				
05-Jul-2019	Friday	choppy	11							
06-Jul-2019	Saturday		0					35	0807	42
07-Jul-2019	Sunday	choppy	1							
08-Jul-2019	Monday		0							
09-Jul-2019	Tuesday	calm/rippled	1					35	0744	44
10-Jul-2019	Wednesday		0							
11-Jul-2019	Thursday	calm/rippled	3			1				
12-Jul-2019	Friday		0							
13-Jul-2019	Saturday	calm/rippled	2					28	0743	38
14-Jul-2019	Sunday	calm/rippled	3							
15-Jul-2019	Monday		0							
16-Jul-2019	Tuesday		0							
17-Jul-2019	Wednesday	choppy	1							
18-Jul-2019	Thursday		0					4	0740	5
19-Jul-2019	Friday		0							
20-Jul-2019	Saturday		0					10	0752	14
21-Jul-2019	Sunday	calm/rippled	4	3						
22-Jul-2019	Monday		0					8	0749	9
23-Jul-2019	Tuesday		0							
24-Jul-2019	Wednesday		0							
25-Jul-2019	Thursday	calm/rippled	5	5						
26-Jul-2019	Friday		0							
27-Jul-2019	Saturday	calm/rippled	4		1			64	0749	87
28-Jul-2019	Sunday	choppy	3				1			
29-Jul-2019	Monday		0							
30-Jul-2019	Tuesday	choppy	6	2				38	0747	47
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						
	Totals	choppy	45	7		9		30*		37*
	Totals	calm/rippled	17	3	1		1	34*		45*

\* 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	45	9	405	0.1760	0.0590		0.0590	71	24		24
Midweek	37	22	814	0.1560		0.20		127		163	

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	July	3422	0	0	12415	0
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
5-Yr Avg	July	3631	12	6	18197	0

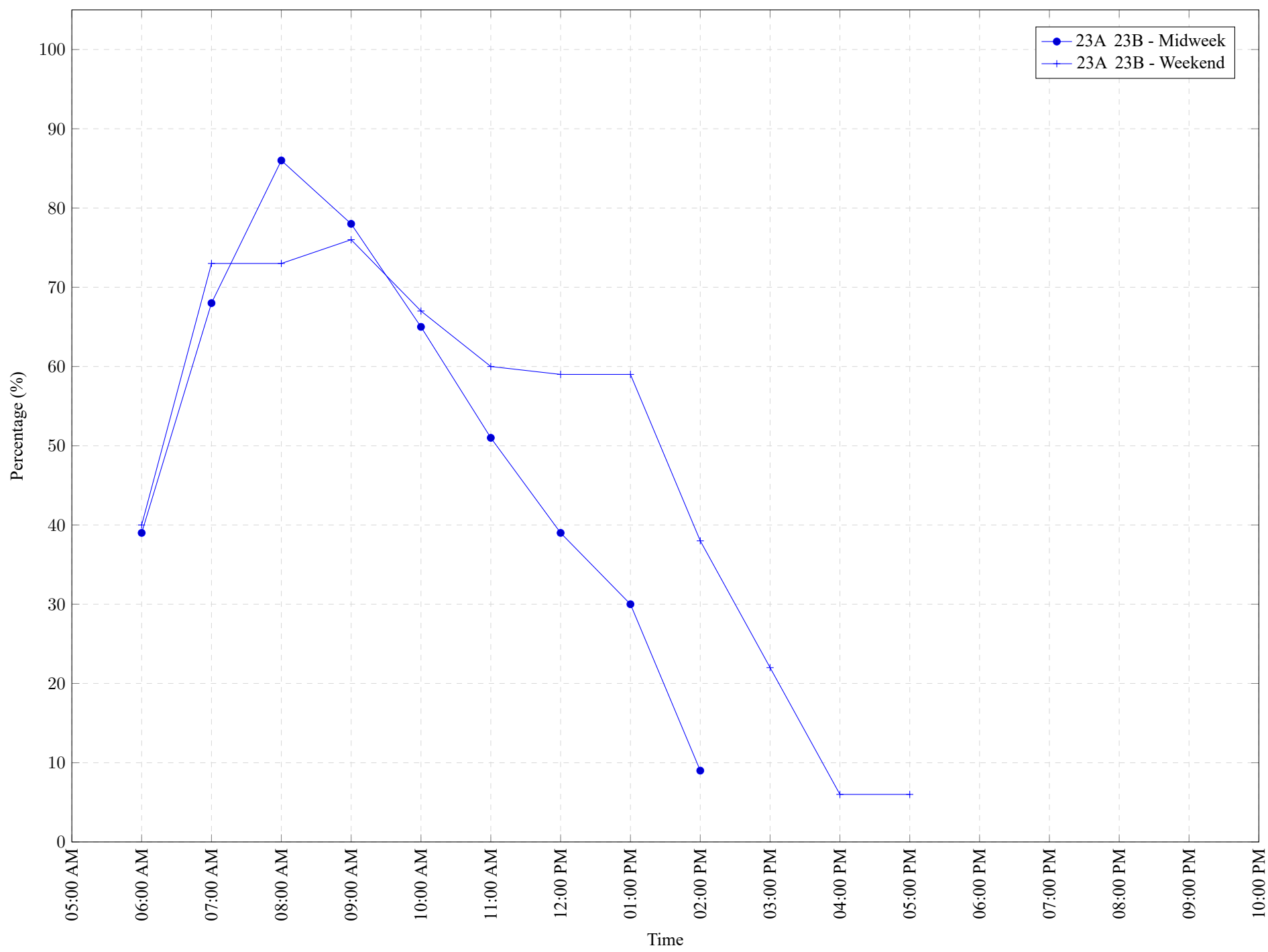
**Table 5: Sport Head Recovery Review.**

Species	Creel Marked Catch	Creel Mark Rate	Creel Submission Rate	iRec Marked Catch	iRec Mark Rate	iRec Submission Rate	Sport Head Recoveries
Chinook	41	27%	22%	202	16%	4%	9

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	65	1%
iRec Anglers	3744	10%
iRec Responses	99	14%

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	39%	68%	86%	78%	65%	51%	39%	30%	9%	0%	0%	0%	0%	0%	0%	0%	0%
23A	23B	Weekend	40%	73%	73%	76%	67%	60%	59%	59%	38%	22%	6%	6%	0%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	China Creek	Clutesi Ramp	McKay Bay Gas Dock
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		
04 Jul 2019	Midweek		choppy	
05 Jul 2019	Midweek	choppy		
06 Jul 2019	Weekend			
07 Jul 2019	Weekend		choppy	
08 Jul 2019	Midweek			
09 Jul 2019	Midweek		calm/rippled	
10 Jul 2019	Midweek			
11 Jul 2019	Midweek	calm/rippled		
12 Jul 2019	Midweek			
13 Jul 2019	Weekend		calm/rippled	
14 Jul 2019	Weekend		calm/rippled	
15 Jul 2019	Midweek			
16 Jul 2019	Midweek			
17 Jul 2019	Midweek	choppy		
18 Jul 2019	Midweek			
19 Jul 2019	Midweek			
20 Jul 2019	Weekend			
21 Jul 2019	Weekend	calm/rippled		
22 Jul 2019	Midweek			
23 Jul 2019	Midweek			
24 Jul 2019	Midweek			
25 Jul 2019	Midweek	calm/rippled		
26 Jul 2019	Midweek			
27 Jul 2019	Weekend	calm/rippled		
28 Jul 2019	Weekend		frequent whitecaps	choppy
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	