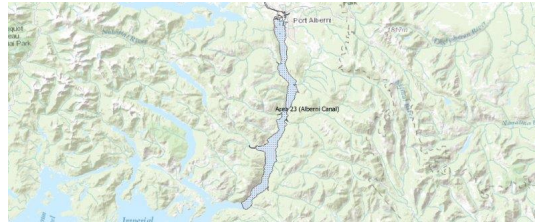


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Alberni Canal) September 2022



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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			Harbour Quay - Derby Only		McKay Bay Gas Dock	Poett Nook
		AM	MD	PM	AM	MD	PM	AM	PM	PM	PM
29 Aug 2022	Midweek				9						
30 Aug 2022	Midweek	9									
31 Aug 2022	Midweek	11									
01 Sep 2022	Midweek	19									
02 Sep 2022	Midweek									1	
03 Sep 2022	Weekend		14								
04 Sep 2022	Weekend		15						4		
05 Sep 2022	Weekend	21						20			
06 Sep 2022	Midweek										
07 Sep 2022	Midweek					2					
08 Sep 2022	Midweek	8									
09 Sep 2022	Midweek										
10 Sep 2022	Weekend										
11 Sep 2022	Weekend				9						
12 Sep 2022	Midweek	3									
13 Sep 2022	Midweek										
14 Sep 2022	Midweek				2						
15 Sep 2022	Midweek	1									
16 Sep 2022	Midweek										1
17 Sep 2022	Weekend										
18 Sep 2022	Weekend						7				
19 Sep 2022	Midweek		2								
20 Sep 2022	Midweek						2				
21 Sep 2022	Midweek	1									
22 Sep 2022	Midweek										
23 Sep 2022	Midweek										
24 Sep 2022	Weekend										
25 Sep 2022	Weekend						1				
26 Sep 2022	Midweek				1						
27 Sep 2022	Midweek										
28 Sep 2022	Midweek			2							
29 Sep 2022	Midweek						1				
30 Sep 2022	Midweek										
01 Oct 2022	Weekend										
02 Oct 2022	Weekend										
03 Oct 2022	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-2022	Monday	calm/rippled	9	18	1			221	0742	350
30-Aug-2022	Tuesday	calm/rippled	9	28		1				
31-Aug-2022	Wednesday	choppy	11	33	3					
01-Sep-2022	Thursday	choppy	19	25	4					
02-Sep-2022	Friday	choppy	1							
03-Sep-2022	Saturday	frequent whitecaps	14	8	7					
04-Sep-2022	Sunday	frequent whitecaps	19	13	4					
05-Sep-2022	Monday (Labour Day)	choppy	41	41	4	1		339	0952	396
06-Sep-2022	Tuesday		0					61	0749	96
07-Sep-2022	Wednesday	frequent whitecaps	2	2						
08-Sep-2022	Thursday	choppy	8	5	1	1				
09-Sep-2022	Friday		0							
10-Sep-2022	Saturday		0					84	0749	109
11-Sep-2022	Sunday	choppy	9	1						
12-Sep-2022	Monday	choppy	3		1					
13-Sep-2022	Tuesday		0							
14-Sep-2022	Wednesday	choppy	2							
15-Sep-2022	Thursday	calm/rippled	1		1			0	0752	0
16-Sep-2022	Friday	frequent whitecaps	1							
17-Sep-2022	Saturday		0					11	0750	14
18-Sep-2022	Sunday	calm/rippled	7							
19-Sep-2022	Monday	frequent whitecaps	2							
20-Sep-2022	Tuesday	frequent whitecaps	2		2			5	0751	8
21-Sep-2022	Wednesday	choppy	1							
22-Sep-2022	Thursday		0							
23-Sep-2022	Friday		0							
24-Sep-2022	Saturday		0							
25-Sep-2022	Sunday	choppy	1		1			1	0749	1
26-Sep-2022	Monday	calm/rippled	1							
27-Sep-2022	Tuesday		0							
28-Sep-2022	Wednesday	choppy	2							
29-Sep-2022	Thursday	choppy	1							
30-Sep-2022	Friday		0					2	1439	9
01-Oct-2022	Saturday		0							
02-Oct-2022	Sunday		0							
03-Oct-2022	Monday		0							
	Totals	choppy	46	32	9	1		17*		28*
	Totals	choppy	91	63	16	1		109*		130*

* 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	28	21	588	0.696	0.196	0.022		409	115	13	
Weekend	130	9	1170	0.692	0.176	0.011		810	206	13	

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	September	1451	1012	298		
2018	September	1880	1243	536		
2019	September	1044	134	120		0
2020	September	2470	432	141		0
2021	September	1499	120	112	23	0
2022	September	1215	1008	223	11	0
5-Yr Avg	September	1669	588	241	23	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	98	49%	13%	107	28%	12%	13
Chinook	54	6%	11%	97	22%	6%	6

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	137	0%
iRec Anglers	1477	7%

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

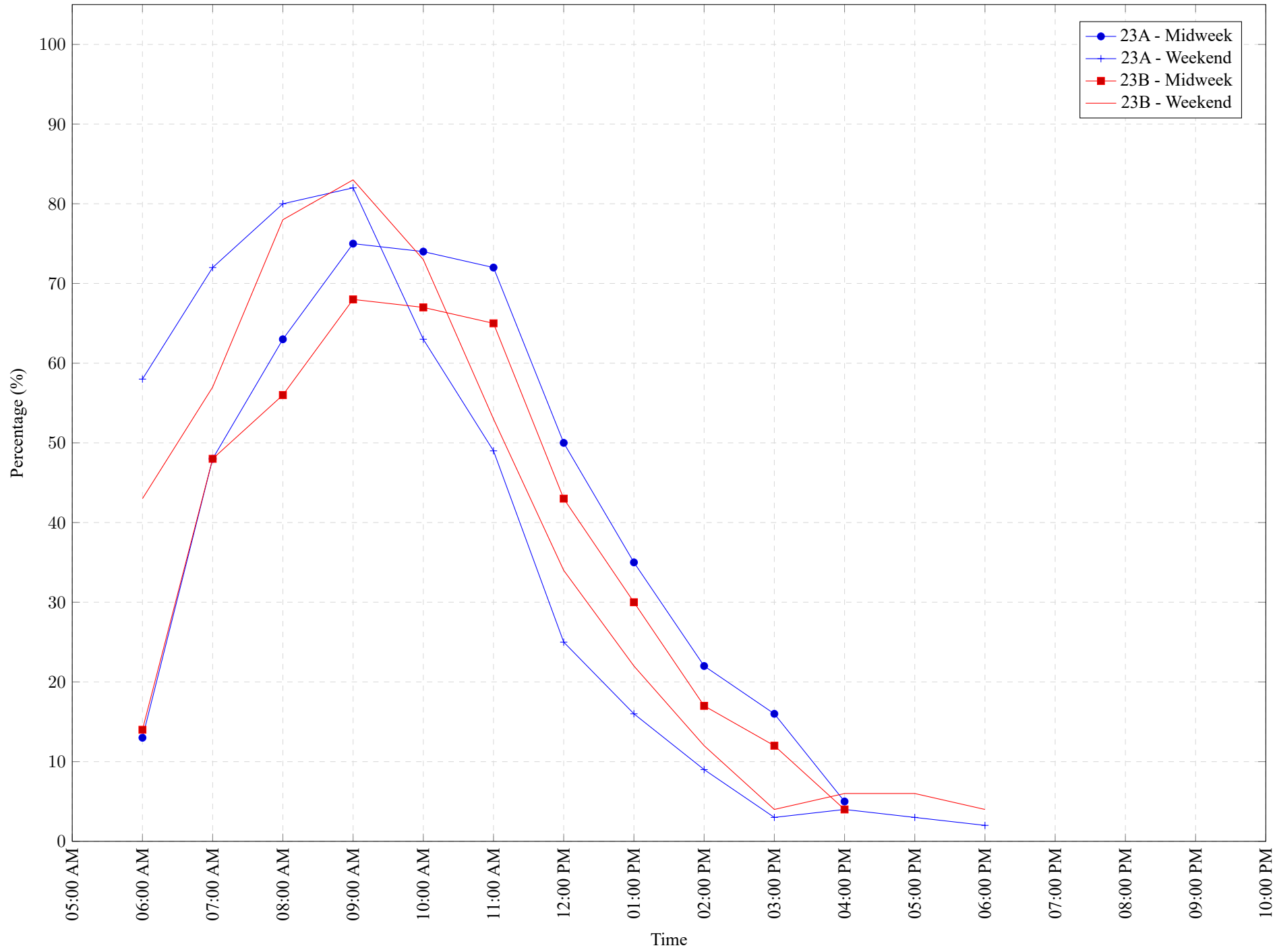


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00	7:00	8:00	9:00	10:00	11:00	12:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00
		AM	AM	AM	AM	AM	AM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
23A	Midweek	13%	48%	63%	75%	74%	72%	50%	35%	22%	16%	5%	0%	0%	0%	0%	0%	0%
23A	Weekend	58%	72%	80%	82%	63%	49%	25%	16%	9%	3%	4%	3%	2%	0%	0%	0%	0%
23B	Midweek	14%	48%	56%	68%	67%	65%	43%	30%	17%	12%	4%	0%	0%	0%	0%	0%	0%
23B	Weekend	43%	57%	78%	83%	73%	53%	34%	22%	12%	4%	6%	6%	4%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	China Creek	Clutesi Ramp	Harbour Quay - Derby Only	McKay Bay Gas Dock	Poett Nook
29 Aug 2022	Midweek		calm/rippled			
30 Aug 2022	Midweek	calm/rippled				
31 Aug 2022	Midweek	choppy				
01 Sep 2022	Midweek	choppy				
02 Sep 2022	Midweek				choppy	
03 Sep 2022	Weekend	frequent whitecaps				
04 Sep 2022	Weekend	frequent whitecaps		frequent whitecaps		
05 Sep 2022	Weekend	choppy		calm/rippled		
06 Sep 2022	Midweek					
07 Sep 2022	Midweek		frequent whitecaps			
08 Sep 2022	Midweek	choppy				
09 Sep 2022	Midweek					
10 Sep 2022	Weekend					
11 Sep 2022	Weekend		choppy			
12 Sep 2022	Midweek	choppy				
13 Sep 2022	Midweek					
14 Sep 2022	Midweek		choppy			
15 Sep 2022	Midweek	calm/rippled				
16 Sep 2022	Midweek					frequent whitecaps
17 Sep 2022	Weekend					
18 Sep 2022	Weekend		calm/rippled			
19 Sep 2022	Midweek	frequent whitecaps				
20 Sep 2022	Midweek		frequent whitecaps			
21 Sep 2022	Midweek	choppy				
22 Sep 2022	Midweek					
23 Sep 2022	Midweek					
24 Sep 2022	Weekend					
25 Sep 2022	Weekend		choppy			
26 Sep 2022	Midweek		calm/rippled			
27 Sep 2022	Midweek					
28 Sep 2022	Midweek	choppy				
29 Sep 2022	Midweek		choppy			
30 Sep 2022	Midweek					
01 Oct 2022	Weekend					
02 Oct 2022	Weekend					
03 Oct 2022	Midweek					