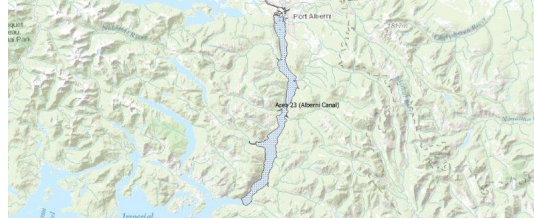


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Alberni Canal) September 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 13th January, 2024



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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			Harbour Quay - Derby Only	McKay Bay Gas Dock
		AM	MD	AM	AM	MD	PM	AM	MD
29 Aug 2023	Midweek				12				
30 Aug 2023	Midweek			8	12				
31 Aug 2023	Midweek		11			8			
01 Sep 2023	Midweek		13		10				
02 Sep 2023	Weekend	19						17	2
03 Sep 2023	Weekend		13					9	
04 Sep 2023	Weekend	20						11	
05 Sep 2023	Midweek								
06 Sep 2023	Midweek								
07 Sep 2023	Midweek		4			6			
08 Sep 2023	Midweek				4				
09 Sep 2023	Weekend					6			
10 Sep 2023	Weekend	7							
11 Sep 2023	Midweek				1				
12 Sep 2023	Midweek								
13 Sep 2023	Midweek								
14 Sep 2023	Midweek								
15 Sep 2023	Midweek				2				
16 Sep 2023	Weekend					5			
17 Sep 2023	Weekend								
18 Sep 2023	Midweek								
19 Sep 2023	Midweek								
20 Sep 2023	Midweek								
21 Sep 2023	Midweek						1		
22 Sep 2023	Midweek				1				
23 Sep 2023	Weekend					1			
24 Sep 2023	Weekend								
25 Sep 2023	Midweek								
26 Sep 2023	Midweek								
27 Sep 2023	Midweek								
28 Sep 2023	Midweek								
29 Sep 2023	Midweek		1			1			
30 Sep 2023	Weekend				1				
01 Oct 2023	Weekend								
02 Oct 2023	Midweek								
03 Oct 2023	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-2023	Tuesday	choppy	13	25	9					
30-Aug-2023	Wednesday	calm/rippled	20	13	3					
31-Aug-2023	Thursday	choppy	19	9	12					
01-Sep-2023	Friday	choppy	23	12	2			160	0752	320
02-Sep-2023	Saturday	choppy	38	42	14			452	0746	484
03-Sep-2023	Sunday	choppy	22	14	11					
04-Sep-2023	Monday (Labour Day)	choppy	31	16	10					
05-Sep-2023	Tuesday		0							
06-Sep-2023	Wednesday		0							
07-Sep-2023	Thursday	choppy	10	1	6			28	0906	40
08-Sep-2023	Friday	choppy	4							
09-Sep-2023	Saturday	calm/rippled	6	1	2			33	0905	38
10-Sep-2023	Sunday	choppy	7	1	7					
11-Sep-2023	Monday	calm/rippled	1							
12-Sep-2023	Tuesday		0					13	1037	20
13-Sep-2023	Wednesday		0							
14-Sep-2023	Thursday		0							
15-Sep-2023	Friday	calm/rippled	2	1						
16-Sep-2023	Saturday	choppy	5		1					
17-Sep-2023	Sunday		0					18	0840	19
18-Sep-2023	Monday		0							
19-Sep-2023	Tuesday		0							
20-Sep-2023	Wednesday		0					7	0842	12
21-Sep-2023	Thursday	calm/rippled	1							
22-Sep-2023	Friday	calm/rippled	1							
23-Sep-2023	Saturday	choppy	1					10	0851	10
24-Sep-2023	Sunday		0							
25-Sep-2023	Monday		0							
26-Sep-2023	Tuesday		0							
27-Sep-2023	Wednesday		0							
28-Sep-2023	Thursday		0					0	0848	0
29-Sep-2023	Friday	choppy	2							
30-Sep-2023	Saturday	calm/rippled	1					1	0843	1
01-Oct-2023	Sunday		0							
02-Oct-2023	Monday		0							
03-Oct-2023	Tuesday		0							
	Totals	choppy	44	14	8			42*		78*
	Totals	choppy	111	74	45			103*		110*

* 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	78	20	1560	0.318	0.182			496	284		
Weekend	110	10	1100	0.667	0.405			734	446		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2023	September	1440	767	460	0	0
5-Yr Avg	September	1622	587	226	17	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	176	42%	9%	185	56%	8%	15
Chinook	72	10%	7%	134	25%	4%	5

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	155	0%
iRec Anglers	1497	3%

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

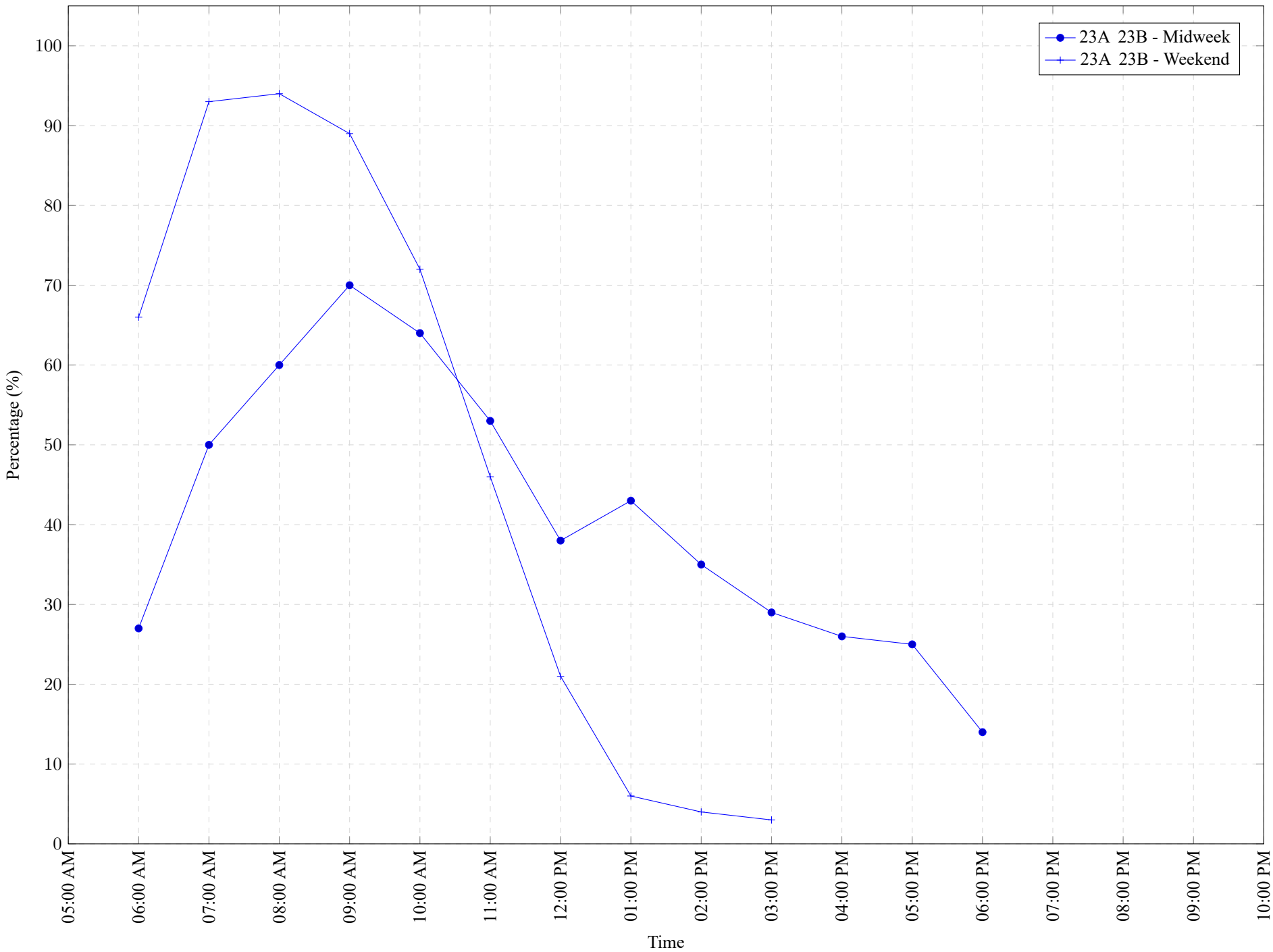


Table 7: Proportion of each day’s fishing by hour.

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	27%	50%	60%	70%	64%	53%	38%	43%	35%	29%	26%	25%	14%	0%	0%	0%	0%
23A	23B	Weekend	66%	93%	94%	89%	72%	46%	21%	6%	4%	3%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	China Creek	Clutesi Marina	Clutesi Ramp	Harbour Quay - Derby Only	McKay Bay Gas Dock
29 Aug 2023	Midweek			choppy		
30 Aug 2023	Midweek		choppy	calm/rippled		
31 Aug 2023	Midweek	choppy		choppy		
01 Sep 2023	Midweek	frequent whitecaps		choppy		
02 Sep 2023	Weekend	choppy			calm/rippled	calm/rippled
03 Sep 2023	Weekend	frequent whitecaps			calm/rippled	
04 Sep 2023	Weekend	choppy			choppy	
05 Sep 2023	Midweek					
06 Sep 2023	Midweek					
07 Sep 2023	Midweek	choppy		frequent whitecaps		
08 Sep 2023	Midweek			choppy		
09 Sep 2023	Weekend			calm/rippled		
10 Sep 2023	Weekend	choppy				
11 Sep 2023	Midweek			calm/rippled		
12 Sep 2023	Midweek					
13 Sep 2023	Midweek					
14 Sep 2023	Midweek					
15 Sep 2023	Midweek			calm/rippled		
16 Sep 2023	Weekend			choppy		
17 Sep 2023	Weekend					
18 Sep 2023	Midweek					
19 Sep 2023	Midweek					
20 Sep 2023	Midweek					
21 Sep 2023	Midweek			calm/rippled		
22 Sep 2023	Midweek			calm/rippled		
23 Sep 2023	Weekend			choppy		
24 Sep 2023	Weekend					
25 Sep 2023	Midweek					
26 Sep 2023	Midweek					
27 Sep 2023	Midweek					
28 Sep 2023	Midweek					
29 Sep 2023	Midweek	choppy		choppy		
30 Sep 2023	Weekend			calm/rippled		
01 Oct 2023	Weekend					
02 Oct 2023	Midweek					
03 Oct 2023	Midweek					