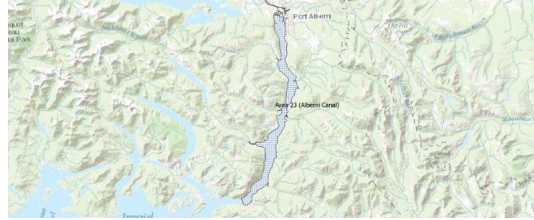


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Alberni Canal) August 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 13th January, 2024



Fisheries and Oceans
Canada

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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 Jul 2023	Weekend				9				
30 Jul 2023	Weekend		2						
31 Jul 2023	Midweek	8			3				
01 Aug 2023	Midweek	10							
02 Aug 2023	Midweek								
03 Aug 2023	Midweek	11			2				
04 Aug 2023	Midweek				7				
05 Aug 2023	Weekend		1				1		
06 Aug 2023	Weekend	5		2					
07 Aug 2023	Weekend				7				
08 Aug 2023	Midweek			4					
09 Aug 2023	Midweek		1						
10 Aug 2023	Midweek		6		5				
11 Aug 2023	Midweek				17				
12 Aug 2023	Weekend				2				
13 Aug 2023	Weekend								
14 Aug 2023	Midweek		12						
15 Aug 2023	Midweek								
16 Aug 2023	Midweek			7					
17 Aug 2023	Midweek					15			
18 Aug 2023	Midweek	16							1
19 Aug 2023	Weekend				16				
20 Aug 2023	Weekend	20							
21 Aug 2023	Midweek				6				
22 Aug 2023	Midweek					11			
23 Aug 2023	Midweek	21							
24 Aug 2023	Midweek				15				
25 Aug 2023	Midweek						3		
26 Aug 2023	Weekend						10		
27 Aug 2023	Weekend	18							
28 Aug 2023	Midweek		8						
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	

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-2023	Saturday	calm/rippled	9			8		98	0749	112
30-Jul-2023	Sunday	frequent whitecaps	2			5				
31-Jul-2023	Monday	calm/rippled	11	2		8		63	0744	75
01-Aug-2023	Tuesday	choppy	10	1		6				
02-Aug-2023	Wednesday		0					48	0746	57
03-Aug-2023	Thursday	choppy	13	5		8				
04-Aug-2023	Friday	calm/rippled	7	2						
05-Aug-2023	Saturday	frequent whitecaps	2							
06-Aug-2023	Sunday	choppy	7	8		4		48	1038	98
07-Aug-2023	Monday (B.C. Day)	choppy	7	6						
08-Aug-2023	Tuesday	frequent whitecaps	4	8				145	0751	171
09-Aug-2023	Wednesday	frequent whitecaps	1	1						
10-Aug-2023	Thursday	choppy	11	12						
11-Aug-2023	Friday	calm/rippled	17	7						
12-Aug-2023	Saturday	calm/rippled	2	1				328	0743	375
13-Aug-2023	Sunday		0							
14-Aug-2023	Monday	frequent whitecaps	12	21	1					
15-Aug-2023	Tuesday		0					284	0751	335
16-Aug-2023	Wednesday	frequent whitecaps	7	15						
17-Aug-2023	Thursday	frequent whitecaps	15	37	1					
18-Aug-2023	Friday	choppy	17	55						
19-Aug-2023	Saturday	calm/rippled	16	28				561	0836	624
20-Aug-2023	Sunday	frequent whitecaps	20	52						
21-Aug-2023	Monday	choppy	6	10						
22-Aug-2023	Tuesday	frequent whitecaps	11	12						
23-Aug-2023	Wednesday	choppy	21	35						
24-Aug-2023	Thursday	choppy	15	28				233	0945	337
25-Aug-2023	Friday	calm/rippled	3	4						
26-Aug-2023	Saturday	choppy	10	14				326	0914	430
27-Aug-2023	Sunday	calm/rippled	18	20	5					
28-Aug-2023	Monday	large swells	8	6	1			116	1029	239
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	188
02-Sep-2023	Saturday	choppy	38	42	14			452	0746	517
03-Sep-2023	Sunday	choppy	22	14	11					
	Totals	choppy	230	306	27	14		165*		228*
	Totals	choppy	82	129	5	4		316*		382*

* 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	382	9	3438	1.573	0.061	0.049		5408	210	168	
Midweek	228	22	5016	1.33	0.117	0.061		6671	587	306	

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	August	3089	2022	437		
2019	August	4689	5442	343	0	0
2020	August	4500	4971	141		1
2021	August	4714	6659	627	28	0
2022	August	5855	8306	366	4125	0
2023	August	4730	6844	418	275	0
5-Yr Avg	August	4569	5480	383	1384	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	127	32%	4%	466	46%	1%	5
Chinook	404	7%	5%	1134	23%	2%	22

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	312	0%
iRec Anglers	6463	13%

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

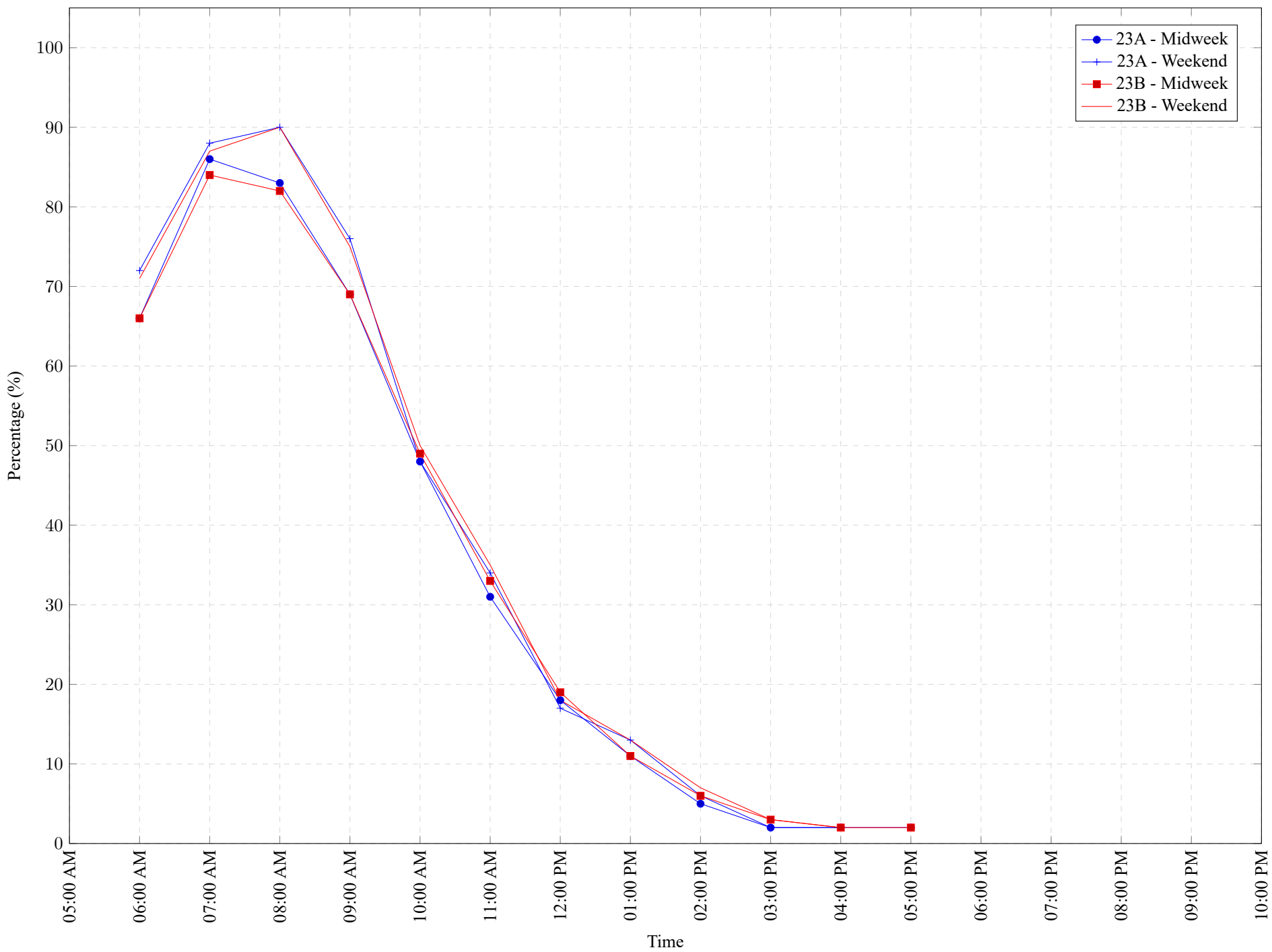


Table 7: Proportion of each day's fishing by hour.

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	66%	86%	83%	69%	48%	31%	18%	11%	5%	2%	2%	2%	0%	0%	0%	0%	0%
23A	Weekend	72%	88%	90%	76%	48%	34%	17%	13%	6%	2%	2%	0%	0%	0%	0%	0%	0%
23B	Midweek	66%	84%	82%	69%	49%	33%	19%	11%	6%	3%	2%	2%	0%	0%	0%	0%	0%
23B	Weekend	71%	87%	90%	75%	50%	35%	18%	13%	7%	3%	2%	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 Jul 2023	Weekend			calm/rippled		
30 Jul 2023	Weekend	frequent whitecaps				
31 Jul 2023	Midweek	calm/rippled		calm/rippled		
01 Aug 2023	Midweek	choppy				
02 Aug 2023	Midweek					
03 Aug 2023	Midweek	choppy		calm/rippled		
04 Aug 2023	Midweek			calm/rippled		
05 Aug 2023	Weekend	frequent whitecaps		large swells		
06 Aug 2023	Weekend	choppy	choppy			
07 Aug 2023	Weekend			choppy		
08 Aug 2023	Midweek		frequent whitecaps			
09 Aug 2023	Midweek	frequent whitecaps				
10 Aug 2023	Midweek	frequent whitecaps		calm/rippled		
11 Aug 2023	Midweek			calm/rippled		
12 Aug 2023	Weekend			calm/rippled		
13 Aug 2023	Weekend					
14 Aug 2023	Midweek	frequent whitecaps				
15 Aug 2023	Midweek					
16 Aug 2023	Midweek		frequent whitecaps			
17 Aug 2023	Midweek			frequent whitecaps		
18 Aug 2023	Midweek	choppy				choppy
19 Aug 2023	Weekend			calm/rippled		
20 Aug 2023	Weekend	frequent whitecaps				
21 Aug 2023	Midweek			choppy		
22 Aug 2023	Midweek			frequent whitecaps		
23 Aug 2023	Midweek	choppy				
24 Aug 2023	Midweek			choppy		
25 Aug 2023	Midweek			calm/rippled		
26 Aug 2023	Weekend			choppy		
27 Aug 2023	Weekend	calm/rippled				
28 Aug 2023	Midweek	large swells				
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	