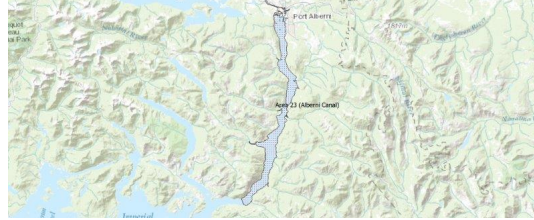


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Alberni Canal) August 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.

		China Creek			Clutesi Marina			Clutesi Ramp			McKay Bay Gas Dock		Mills Landing	Tyee Landing (Fuel Dock) MD
Date	Day Type	AM	MD	PM	AM	MD	PM	AM	MD	PM	MD	PM	AM	
29 Jul 2022	Midweek		6											
30 Jul 2022	Weekend			1				4						
31 Jul 2022	Weekend							7						
01 Aug 2022	Weekend			2				3						
02 Aug 2022	Midweek							5						
03 Aug 2022	Midweek				1									
04 Aug 2022	Midweek	9												
05 Aug 2022	Midweek									3				
06 Aug 2022	Weekend	14						6						
07 Aug 2022	Weekend													
08 Aug 2022	Midweek								6					
09 Aug 2022	Midweek													
10 Aug 2022	Midweek	11												
11 Aug 2022	Midweek			6					9					
12 Aug 2022	Midweek	14												
13 Aug 2022	Weekend		3					14						
14 Aug 2022	Weekend											1		
15 Aug 2022	Midweek			9										
16 Aug 2022	Midweek	6												
17 Aug 2022	Midweek			4				5						
18 Aug 2022	Midweek							21						
19 Aug 2022	Midweek					3								
20 Aug 2022	Weekend	16					4						1	
21 Aug 2022	Weekend							2						4
22 Aug 2022	Midweek	12												
23 Aug 2022	Midweek								8					
24 Aug 2022	Midweek									4				
25 Aug 2022	Midweek								6					
26 Aug 2022	Midweek		10								1			
27 Aug 2022	Weekend				5			18						
28 Aug 2022	Weekend							8						
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											

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-2022	Friday	frequent whitecaps	6	1		5				
30-Jul-2022	Saturday	choppy	5	1		7				
31-Jul-2022	Sunday	choppy	7			10		153	0757	184
01-Aug-2022	Monday (B.C. Day)	choppy	5			8				
02-Aug-2022	Tuesday	frequent whitecaps	5	1		17				
03-Aug-2022	Wednesday	choppy	1			3				
04-Aug-2022	Thursday	choppy	9	1		42		132	0755	180
05-Aug-2022	Friday	calm/rippled	3			7				
06-Aug-2022	Saturday	calm/rippled	20	2		84		290	0743	350
07-Aug-2022	Sunday		0							
08-Aug-2022	Monday		0							
09-Aug-2022	Tuesday	choppy	6	1		17				
10-Aug-2022	Wednesday	choppy	11	4		10		89	1035	175
11-Aug-2022	Thursday	choppy	15	15		11				
12-Aug-2022	Friday	calm/rippled	14	27		10				
13-Aug-2022	Saturday	choppy	17	14		1				
14-Aug-2022	Sunday	choppy	1	1	1			442	0743	534
15-Aug-2022	Monday	frequent whitecaps	9	9						
16-Aug-2022	Tuesday	calm/rippled	6	6						
17-Aug-2022	Wednesday	calm/rippled	9	18		1		373	0740	507
18-Aug-2022	Thursday	choppy	21	24	1					
19-Aug-2022	Friday	calm/rippled	3	2						
20-Aug-2022	Saturday	calm/rippled	21	56						
21-Aug-2022	Sunday	choppy	6	16	1			524	0746	633
22-Aug-2022	Monday	calm/rippled	12	22	1	1				
23-Aug-2022	Tuesday	choppy	8	11						
24-Aug-2022	Wednesday	choppy	4	6	1			237	0943	389
25-Aug-2022	Thursday	frequent whitecaps	6	14						
26-Aug-2022	Friday	frequent whitecaps	11	20	4					
27-Aug-2022	Saturday	frequent whitecaps	23	32	3			462	0804	534
28-Aug-2022	Sunday	frequent whitecaps	8	2	1	1				
29-Aug-2022	Monday	calm/rippled	9	18	1			221	0742	300
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					
	Totals	choppy	182	260	11	120		210*		310*
	Totals	choppy	101	123	6	94		430*		513*

* 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	513	9	4617	1.218	0.059	0.931		5624	272	4298	
Midweek	310	22	6820	1.429	0.06	0.659		9746	409	4494	

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	August	4438	3874	348	151	
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
5-Yr Avg	August	4286	4594	379	60	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	151	53%	4%	270	41%	2%	6
Chinook	263	4%	14%	1176	23%	3%	37

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	283	0%
iRec Anglers	8718	7%

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

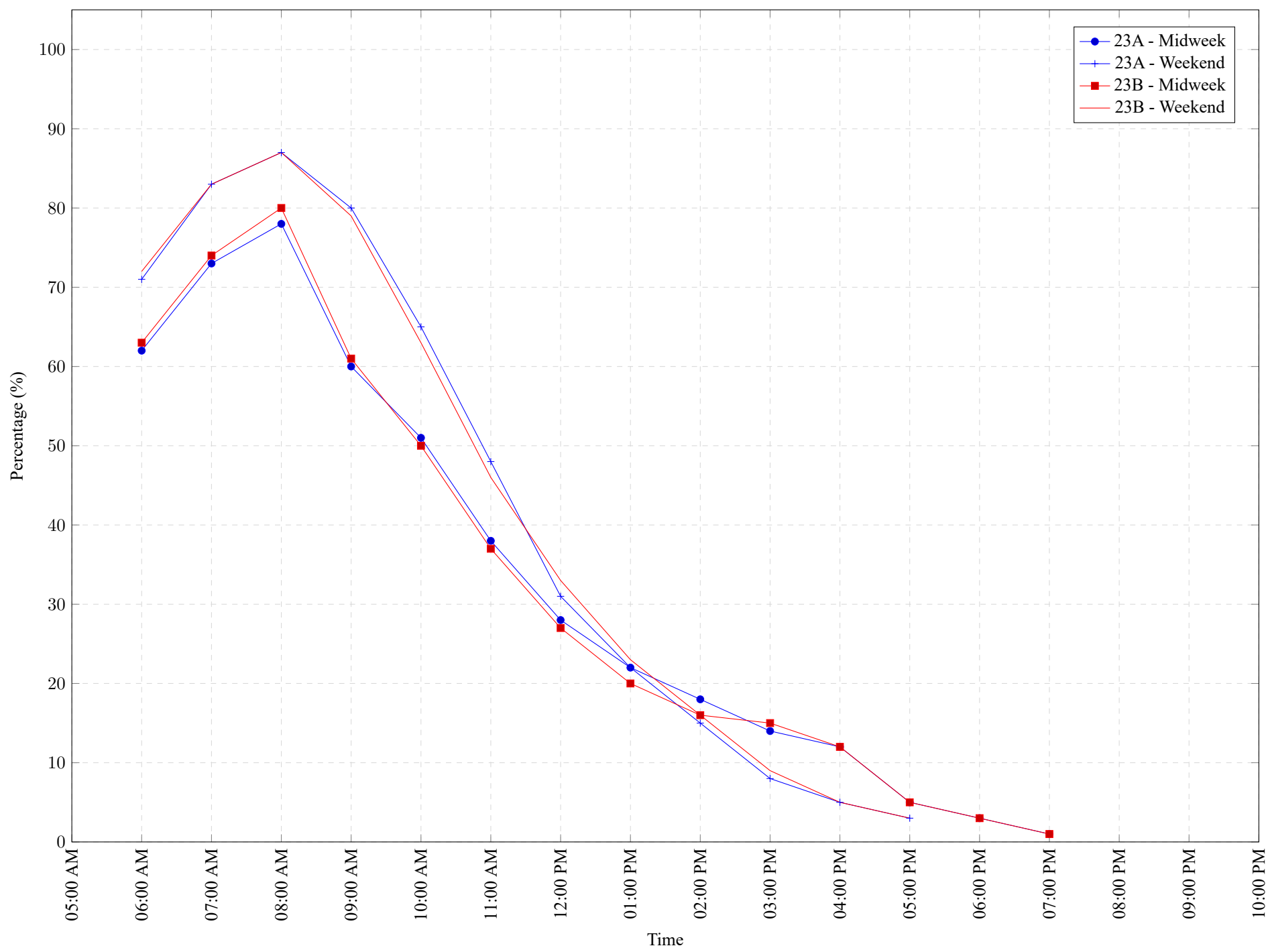


Table 7: Proportion of each day's fishing by hour.

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	62%	73%	78%	60%	51%	38%	28%	22%	18%	14%	12%	5%	3%	1%	0%	0%	0%
23A	Weekend	71%	83%	87%	80%	65%	48%	31%	22%	15%	8%	5%	3%	0%	0%	0%	0%	0%
23B	Midweek	63%	74%	80%	61%	50%	37%	27%	20%	16%	15%	12%	5%	3%	1%	0%	0%	0%
23B	Weekend	72%	83%	87%	79%	63%	46%	33%	23%	16%	9%	5%	3%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	China Creek	Clutesi Marina	Clutesi Ramp	McKay Bay Gas Dock	Mills Landing	Tyee Landing (Fuel Dock)
29 Jul 2022	Midweek	frequent whitecaps					
30 Jul 2022	Weekend	choppy		choppy			
31 Jul 2022	Weekend			choppy			
01 Aug 2022	Weekend	large swells		calm/rippled			
02 Aug 2022	Midweek			frequent whitecaps			
03 Aug 2022	Midweek		choppy				
04 Aug 2022	Midweek	choppy					
05 Aug 2022	Midweek			calm/rippled			
06 Aug 2022	Weekend	choppy		calm/rippled			
07 Aug 2022	Weekend						
08 Aug 2022	Midweek						
09 Aug 2022	Midweek			choppy			
10 Aug 2022	Midweek	choppy					
11 Aug 2022	Midweek	calm/rippled		choppy			
12 Aug 2022	Midweek	calm/rippled					
13 Aug 2022	Weekend	calm/rippled		choppy			
14 Aug 2022	Weekend				choppy		
15 Aug 2022	Midweek	frequent whitecaps					
16 Aug 2022	Midweek	calm/rippled					
17 Aug 2022	Midweek	choppy		calm/rippled			
18 Aug 2022	Midweek			choppy			
19 Aug 2022	Midweek		calm/rippled				
20 Aug 2022	Weekend	calm/rippled	frequent whitecaps			choppy	
21 Aug 2022	Weekend			calm/rippled			frequent whitecaps
22 Aug 2022	Midweek	calm/rippled					
23 Aug 2022	Midweek			choppy			
24 Aug 2022	Midweek			choppy			
25 Aug 2022	Midweek			frequent whitecaps			
26 Aug 2022	Midweek	large swells			frequent whitecaps		
27 Aug 2022	Weekend		calm/rippled	frequent whitecaps			
28 Aug 2022	Weekend			frequent whitecaps			
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					