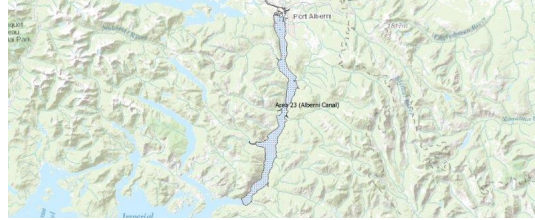


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Alberni Canal) July 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



Fisheries and Oceans
Canada

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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	Poett Nook	Tyee Landing (Fuel Dock) AM
Date	Day Type	AM	MD	PM	AM	MD	AM	MD	PM	PM	AM	
28 Jun 2021	Midweek				5							
29 Jun 2021	Midweek	18										
30 Jun 2021	Midweek	22										
01 Jul 2021	Weekend	16										
02 Jul 2021	Midweek						17					
03 Jul 2021	Weekend	17					22					
04 Jul 2021	Weekend						25					
05 Jul 2021	Midweek		3				20					
06 Jul 2021	Midweek									1		
07 Jul 2021	Midweek							1				
08 Jul 2021	Midweek	16					19					
09 Jul 2021	Midweek	18										5
10 Jul 2021	Weekend	17										
11 Jul 2021	Weekend				15		20					
12 Jul 2021	Midweek						17					
13 Jul 2021	Midweek								2			
14 Jul 2021	Midweek			6								
15 Jul 2021	Midweek	14			7							
16 Jul 2021	Midweek	16					13					
17 Jul 2021	Weekend					5						
18 Jul 2021	Weekend			7			28				2	
19 Jul 2021	Midweek						18					
20 Jul 2021	Midweek											3
21 Jul 2021	Midweek				6							
22 Jul 2021	Midweek	11					12					
23 Jul 2021	Midweek	12					15					
24 Jul 2021	Weekend	13										4
25 Jul 2021	Weekend						15					
26 Jul 2021	Midweek						10					
27 Jul 2021	Midweek	15										
28 Jul 2021	Midweek						1					
29 Jul 2021	Midweek											
30 Jul 2021	Midweek						5					
31 Jul 2021	Weekend	3										
01 Aug 2021	Weekend	8						1				
02 Aug 2021	Weekend											
03 Aug 2021	Midweek	11					4					

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-2021	Monday	calm/rippled	5			22				
29-Jun-2021	Tuesday	choppy	18			59				
30-Jun-2021	Wednesday	frequent whitecaps	22			80		167	0824	210
01-Jul-2021	Thursday (Canada Day)	calm/rippled	16			121				
02-Jul-2021	Friday	calm/rippled	17			101				
03-Jul-2021	Saturday	calm/rippled	39			285				
04-Jul-2021	Sunday	calm/rippled	25			151		400	0614	495
05-Jul-2021	Monday	calm/rippled	23			140				
06-Jul-2021	Tuesday	choppy	1			4				
07-Jul-2021	Wednesday	large swells	1			16				
08-Jul-2021	Thursday	calm/rippled	35			274				
09-Jul-2021	Friday	calm/rippled	23			195				
10-Jul-2021	Saturday	choppy	18			163				
11-Jul-2021	Sunday	calm/rippled	36			294		789	0727	890
12-Jul-2021	Monday	calm/rippled	17			141				
13-Jul-2021	Tuesday	large swells	3			8				
14-Jul-2021	Wednesday	frequent whitecaps	6			55				
15-Jul-2021	Thursday	choppy	21			135		75	0917	123
16-Jul-2021	Friday	choppy	29			174				
17-Jul-2021	Saturday	frequent whitecaps	5	1		17		364	0750	411
18-Jul-2021	Sunday	calm/rippled	37			243		187	0830	230
19-Jul-2021	Monday	calm/rippled	18			53		226	0742	259
20-Jul-2021	Tuesday	choppy	3			24				
21-Jul-2021	Wednesday	choppy	6			46		34	1032	86
22-Jul-2021	Thursday	calm/rippled	23			134				
23-Jul-2021	Friday	choppy	27	1		102				
24-Jul-2021	Saturday	calm/rippled	17			61		208	0943	322
25-Jul-2021	Sunday	choppy	15			66				
26-Jul-2021	Monday	calm/rippled	10			32				
27-Jul-2021	Tuesday	calm/rippled	15			63		87	0905	142
28-Jul-2021	Wednesday	calm/rippled	1					26	0932	42
29-Jul-2021	Thursday		0							
30-Jul-2021	Friday	calm/rippled	5					10	0900	16
31-Jul-2021	Saturday	calm/rippled	3	1				27	1020	71
01-Aug-2021	Sunday	frequent whitecaps	9	8						
02-Aug-2021	Monday (B.C. Day)		0							
03-Aug-2021	Tuesday	choppy	15	11				70	0757	80
	Totals	choppy	284	1		1697		76*		111*
	Totals	calm/rippled	211	2		1401		329*		403*

* 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	403	10	4030	0.009		6.64		36		26759	
Midweek	111	21	2331	0.004		5.975		9		13928	

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	July	5055	0	10	24831	0
2017	July	3240	16		10107	
2018	July	1121	40		1140	
2019	July	564	152	11	69	11
2020	July	1981	12		4604	0
2021	July	4279	16		26112	0
5-Yr Avg	July	2392	44	11	8150	4

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	0	0%		82	23%	4%	3

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	495	1%
iRec Anglers	4546	8%

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

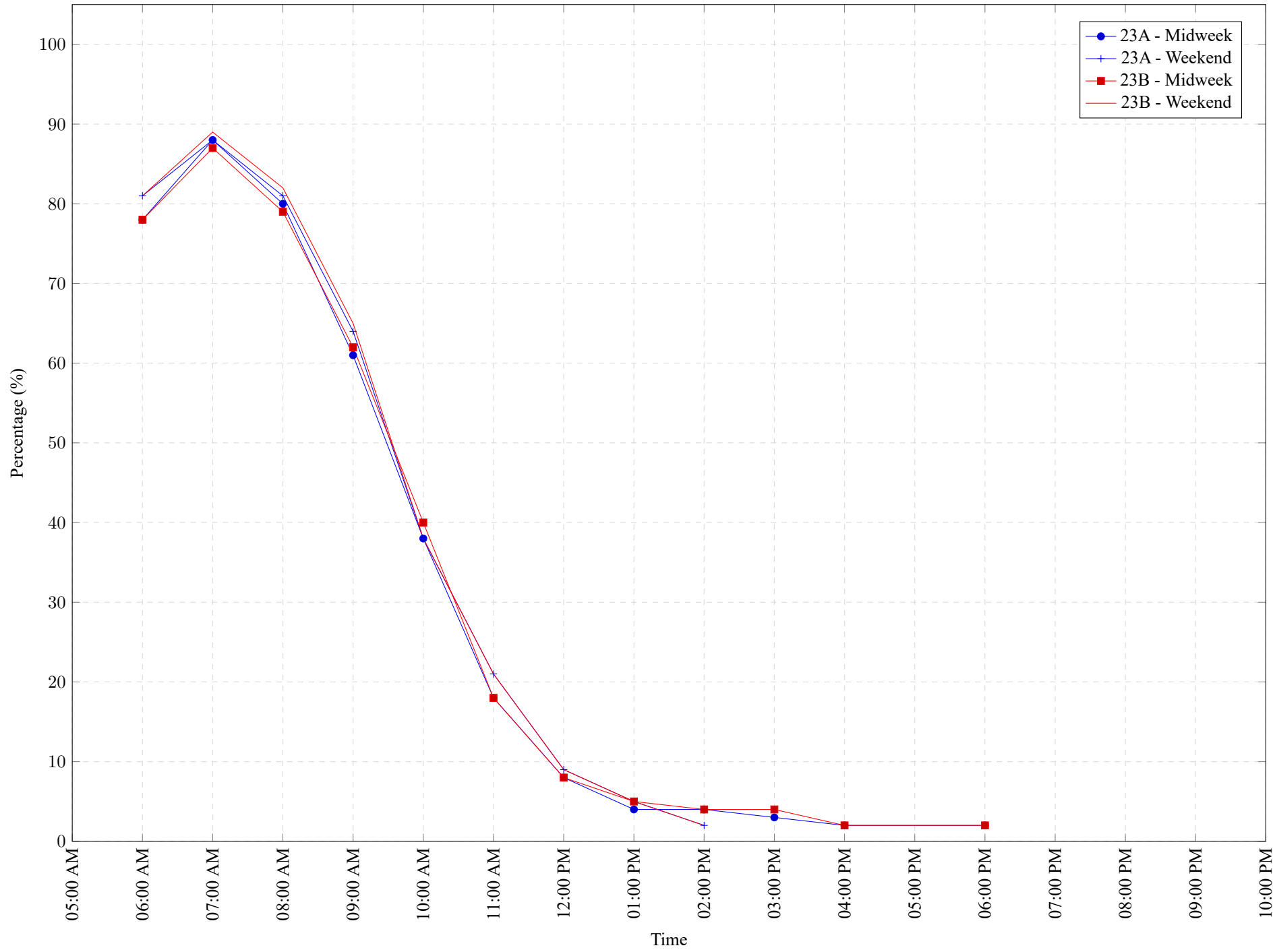


Table 7: Proportion of each day's fishing by hour.

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	78%	88%	80%	61%	38%	18%	8%	4%	4%	3%	2%	0%	2%	0%	0%	0%	0%
23A	Weekend	81%	88%	81%	64%	38%	21%	9%	5%	2%	0%	0%	0%	0%	0%	0%	0%	0%
23B	Midweek	78%	87%	79%	62%	40%	18%	8%	5%	4%	4%	2%	0%	2%	0%	0%	0%	0%
23B	Weekend	81%	89%	82%	65%	38%	21%	9%	5%	2%	0%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	China Creek	Clutesi Marina	Clutesi Ramp	McKay Bay Gas Dock	Poett Nook	Tyee Landing (Fuel Dock)
28 Jun 2021	Midweek		calm/rippled				
29 Jun 2021	Midweek	choppy					
30 Jun 2021	Midweek	frequent whitecaps					
01 Jul 2021	Weekend	calm/rippled					
02 Jul 2021	Midweek			calm/rippled			
03 Jul 2021	Weekend	choppy		calm/rippled			
04 Jul 2021	Weekend			calm/rippled			
05 Jul 2021	Midweek	frequent whitecaps		calm/rippled			
06 Jul 2021	Midweek				choppy		
07 Jul 2021	Midweek			large swells			
08 Jul 2021	Midweek	calm/rippled		calm/rippled			
09 Jul 2021	Midweek	calm/rippled					calm/rippled
10 Jul 2021	Weekend	choppy					
11 Jul 2021	Weekend		choppy	calm/rippled			
12 Jul 2021	Midweek			calm/rippled			
13 Jul 2021	Midweek			large swells			
14 Jul 2021	Midweek	frequent whitecaps					
15 Jul 2021	Midweek	choppy	frequent whitecaps				
16 Jul 2021	Midweek	choppy		choppy			
17 Jul 2021	Weekend		frequent whitecaps				
18 Jul 2021	Weekend	calm/rippled		calm/rippled		calm/rippled	
19 Jul 2021	Midweek			calm/rippled			
20 Jul 2021	Midweek						choppy
21 Jul 2021	Midweek		choppy				
22 Jul 2021	Midweek	calm/rippled		calm/rippled			
23 Jul 2021	Midweek	choppy		choppy			
24 Jul 2021	Weekend	calm/rippled					calm/rippled
25 Jul 2021	Weekend			choppy			
26 Jul 2021	Midweek			calm/rippled			
27 Jul 2021	Midweek	calm/rippled					
28 Jul 2021	Midweek			calm/rippled			
29 Jul 2021	Midweek						
30 Jul 2021	Midweek			calm/rippled			
31 Jul 2021	Weekend	calm/rippled					
01 Aug 2021	Weekend	choppy		large swells			
02 Aug 2021	Weekend						
03 Aug 2021	Midweek	choppy		calm/rippled			