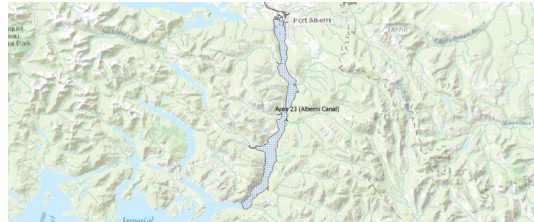


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Alberni Canal) September 2024



Prepared By:
South Coast Salmon Stock Assessment Section

Wednesday 13th November, 2024



Fisheries and Oceans
Canada

Pêches et Océans
Canada



Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

Date	Day Type	China Creek			Clutesi Marina		Clutesi Ramp	Fisher-man's Harbour
		AM	MD	PM	MD	PM	AM	AM
29 Aug 2024	Midweek						10	
30 Aug 2024	Midweek							
31 Aug 2024	Weekend		10					16
01 Sep 2024	Weekend	13						
02 Sep 2024	Weekend	13						13
03 Sep 2024	Midweek						1	
04 Sep 2024	Midweek							
05 Sep 2024	Midweek	3						
06 Sep 2024	Midweek						3	
07 Sep 2024	Weekend							
08 Sep 2024	Weekend						2	
09 Sep 2024	Midweek	1						
10 Sep 2024	Midweek							
11 Sep 2024	Midweek							
12 Sep 2024	Midweek					1		
13 Sep 2024	Midweek	2						
14 Sep 2024	Weekend							
15 Sep 2024	Weekend						3	
16 Sep 2024	Midweek							
17 Sep 2024	Midweek				1			
18 Sep 2024	Midweek							
19 Sep 2024	Midweek							
20 Sep 2024	Midweek							
21 Sep 2024	Weekend							
22 Sep 2024	Weekend							
23 Sep 2024	Midweek							
24 Sep 2024	Midweek			1				
25 Sep 2024	Midweek							
26 Sep 2024	Midweek							
27 Sep 2024	Midweek							
28 Sep 2024	Weekend							
29 Sep 2024	Weekend							
30 Sep 2024	Midweek							
01 Oct 2024	Midweek							
02 Oct 2024	Midweek							
03 Oct 2024	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-2024	Thursday	calm/rippled	10	1	1			115	0720	186
30-Aug-2024	Friday		0							
31-Aug-2024	Saturday	choppy	26	50	8			486	0811	738
01-Sep-2024	Sunday	choppy	13	22	5					
02-Sep-2024	Monday (Labour Day)	calm/rippled	26	25	4	2		105	1416	1402
03-Sep-2024	Tuesday	choppy	1	1						
04-Sep-2024	Wednesday		0					22	1132	44
05-Sep-2024	Thursday	choppy	3		2					
06-Sep-2024	Friday	calm/rippled	3		1					
07-Sep-2024	Saturday		0					70	0833	106
08-Sep-2024	Sunday	calm/rippled	2							
09-Sep-2024	Monday	choppy	1	1						
10-Sep-2024	Tuesday		0							
11-Sep-2024	Wednesday		0					35	0937	39
12-Sep-2024	Thursday	calm/rippled	1	1	3					
13-Sep-2024	Friday	choppy	2					9	0822	10
14-Sep-2024	Saturday		0					4	1103	9
15-Sep-2024	Sunday	choppy	3	1						
16-Sep-2024	Monday		0					27	1035	34
17-Sep-2024	Tuesday	calm/rippled	1	1	4					
18-Sep-2024	Wednesday		0							
19-Sep-2024	Thursday		0							
20-Sep-2024	Friday		0							
21-Sep-2024	Saturday		0					18	0824	28
22-Sep-2024	Sunday		0							
23-Sep-2024	Monday		0							
24-Sep-2024	Tuesday	choppy	1	1	1					
25-Sep-2024	Wednesday		0							
26-Sep-2024	Thursday		0							
27-Sep-2024	Friday		0					2	0855	2
28-Sep-2024	Saturday		0					8	0855	13
29-Sep-2024	Sunday		0							
30-Sep-2024	Monday		0							
01-Oct-2024	Tuesday		0							
02-Oct-2024	Wednesday		0							
03-Oct-2024	Thursday		0							
	Totals	choppy	13	5	11			19*		26*
	Totals	choppy	44	48	9	2		41*		312*

* 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	312	10	3120	1.091	0.205	0.045		3404	640	140	
Midweek	26	20	520	0.385	0.846			200	440		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2024	September	642	508	245	18	0
5-Yr Avg	September	1534	492	211	11	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
---------	--------------------	-----------------	-----------------------	-------------------	----------------	----------------------	-----------------------

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	57	2%
iRec Anglers	1017	1%

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	7%	40%	73%	67%	60%	27%	27%	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%
23A	Weekend	24%	31%	49%	62%	65%	77%	53%	30%	12%	12%	12%	0%	0%	0%	0%	0%	0%
23B	Midweek	33%	70%	100%	95%	64%	36%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%
23B	Weekend	36%	36%	27%	41%	46%	64%	64%	41%	18%	18%	18%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	China Creek	Clutesi Marina	Clutesi Ramp	Fisherman's Harbour
29 Aug 2024	Midweek	frequent whitecaps		calm/rippled	calm/rippled
30 Aug 2024	Midweek				
31 Aug 2024	Weekend				
01 Sep 2024	Weekend	choppy			calm/rippled
02 Sep 2024	Weekend	choppy			
03 Sep 2024	Midweek			choppy	
04 Sep 2024	Midweek				
05 Sep 2024	Midweek	choppy			
06 Sep 2024	Midweek			calm/rippled	
07 Sep 2024	Weekend				
08 Sep 2024	Weekend			calm/rippled	
09 Sep 2024	Midweek	choppy			
10 Sep 2024	Midweek				
11 Sep 2024	Midweek				
12 Sep 2024	Midweek		calm/rippled		
13 Sep 2024	Midweek	choppy			
14 Sep 2024	Weekend				
15 Sep 2024	Weekend			choppy	
16 Sep 2024	Midweek				
17 Sep 2024	Midweek		calm/rippled		
18 Sep 2024	Midweek				
19 Sep 2024	Midweek				
20 Sep 2024	Midweek				
21 Sep 2024	Weekend				
22 Sep 2024	Weekend				
23 Sep 2024	Midweek				
24 Sep 2024	Midweek	choppy			
25 Sep 2024	Midweek				
26 Sep 2024	Midweek				
27 Sep 2024	Midweek				
28 Sep 2024	Weekend				
29 Sep 2024	Weekend				
30 Sep 2024	Midweek				
01 Oct 2024	Midweek				
02 Oct 2024	Midweek				
03 Oct 2024	Midweek				