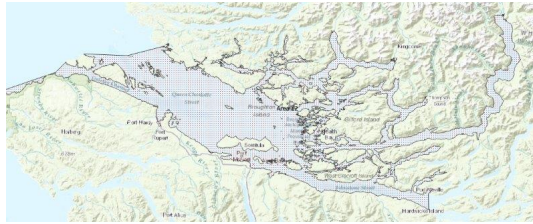


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 12 August 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 20th 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	Alder Bay Campsite		Bear Cove		Port McNeill Ramp		Quarterdeck Marina		Telegraph Cove	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
29 Jul 2023	Weekend								6	18	
30 Jul 2023	Weekend					16		9			
31 Jul 2023	Midweek	5									
01 Aug 2023	Midweek						12				
02 Aug 2023	Midweek							6			
03 Aug 2023	Midweek			15							
04 Aug 2023	Midweek				16					14	
05 Aug 2023	Weekend		16						8		
06 Aug 2023	Weekend			16		9					
07 Aug 2023	Weekend										10
08 Aug 2023	Midweek									10	
09 Aug 2023	Midweek			13							
10 Aug 2023	Midweek										
11 Aug 2023	Midweek										
12 Aug 2023	Weekend				20						
13 Aug 2023	Weekend								3		
14 Aug 2023	Midweek							6			6
15 Aug 2023	Midweek		5	11							
16 Aug 2023	Midweek								5		
17 Aug 2023	Midweek										
18 Aug 2023	Midweek										3
19 Aug 2023	Weekend		5					8			
20 Aug 2023	Weekend			4						9	
21 Aug 2023	Midweek					5			6		
22 Aug 2023	Midweek	4			9						
23 Aug 2023	Midweek							5			
24 Aug 2023	Midweek										
25 Aug 2023	Midweek									7	
26 Aug 2023	Weekend				7						
27 Aug 2023	Weekend			11		5					
28 Aug 2023	Midweek								6		4
29 Aug 2023	Midweek							4		2	
30 Aug 2023	Midweek										
31 Aug 2023	Midweek										
01 Sep 2023	Midweek										
02 Sep 2023	Weekend										
03 Sep 2023	Weekend										

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	26	29	13		1			
30-Jul-2023	Sunday	choppy	26	20	1		4	101	1003	152
31-Jul-2023	Monday	calm/rippled	5	2	2					
01-Aug-2023	Tuesday	calm/rippled	12	6						
02-Aug-2023	Wednesday	choppy	6	4						
03-Aug-2023	Thursday	calm/rippled	15	15	1		2			
04-Aug-2023	Friday	calm/rippled	30	11	6		4			
05-Aug-2023	Saturday	calm/rippled	24	10			1			
06-Aug-2023	Sunday	calm/rippled	25	10	1		1	108	1149	169
07-Aug-2023	Monday (B.C. Day)	choppy	10	4	1		2			
08-Aug-2023	Tuesday	frequent whitecaps	10	8	3			66	1046	94
09-Aug-2023	Wednesday	calm/rippled	13	13						
10-Aug-2023	Thursday		0							
11-Aug-2023	Friday		0							
12-Aug-2023	Saturday	choppy	20	8	2		5	88	1133	131
13-Aug-2023	Sunday	choppy	3	1						
14-Aug-2023	Monday	choppy	12	9			1			
15-Aug-2023	Tuesday	choppy	16	3			3			
16-Aug-2023	Wednesday	choppy	6	1				66	0951	93
17-Aug-2023	Thursday		1	1						
18-Aug-2023	Friday	frequent whitecaps	3							
19-Aug-2023	Saturday	calm/rippled	14	7			7			
20-Aug-2023	Sunday	choppy	15	5	1		2	47	0948	73
21-Aug-2023	Monday	calm/rippled	11	6						
22-Aug-2023	Tuesday	calm/rippled	13	6			2			
23-Aug-2023	Wednesday	calm/rippled	5	1						
24-Aug-2023	Thursday		0					61	0941	84
25-Aug-2023	Friday	calm/rippled	7	4			2			
26-Aug-2023	Saturday	calm/rippled	7	3			1			
27-Aug-2023	Sunday	calm/rippled	16	9			5	59	0950	90
28-Aug-2023	Monday	choppy	10	7	2		4			
29-Aug-2023	Tuesday	calm/rippled	6	3						
30-Aug-2023	Wednesday		1	1						
31-Aug-2023	Thursday		0							
01-Sep-2023	Friday		0							
02-Sep-2023	Saturday		0							
03-Sep-2023	Sunday		2	2	1		1			
	Totals	choppy	177	99	12		18	64*		90*
	Totals	calm/rippled	134	57	5		24	76*		116*

* 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	116	9	1044	0.425	0.037		0.179	444	39		187
Midweek	90	22	1980	0.559	0.068		0.102	1107	135		202

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	August	5876	2160	376	3646	227
2019	August	5027	2697	367	6	385
2020	August	4199	1400	767		846
2021	August	3414	1257	310	0	232
2022	August	1695	792	225	0	107
2023	August	2982	1770	86	0	464
5-Yr Avg	August	4042	1661	409	913	359

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	5	6%	180%	323	48%	3%	9
Chinook	40	2%	43%	304	11%	6%	17

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	311	5%
iRec Anglers	9894	10%

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

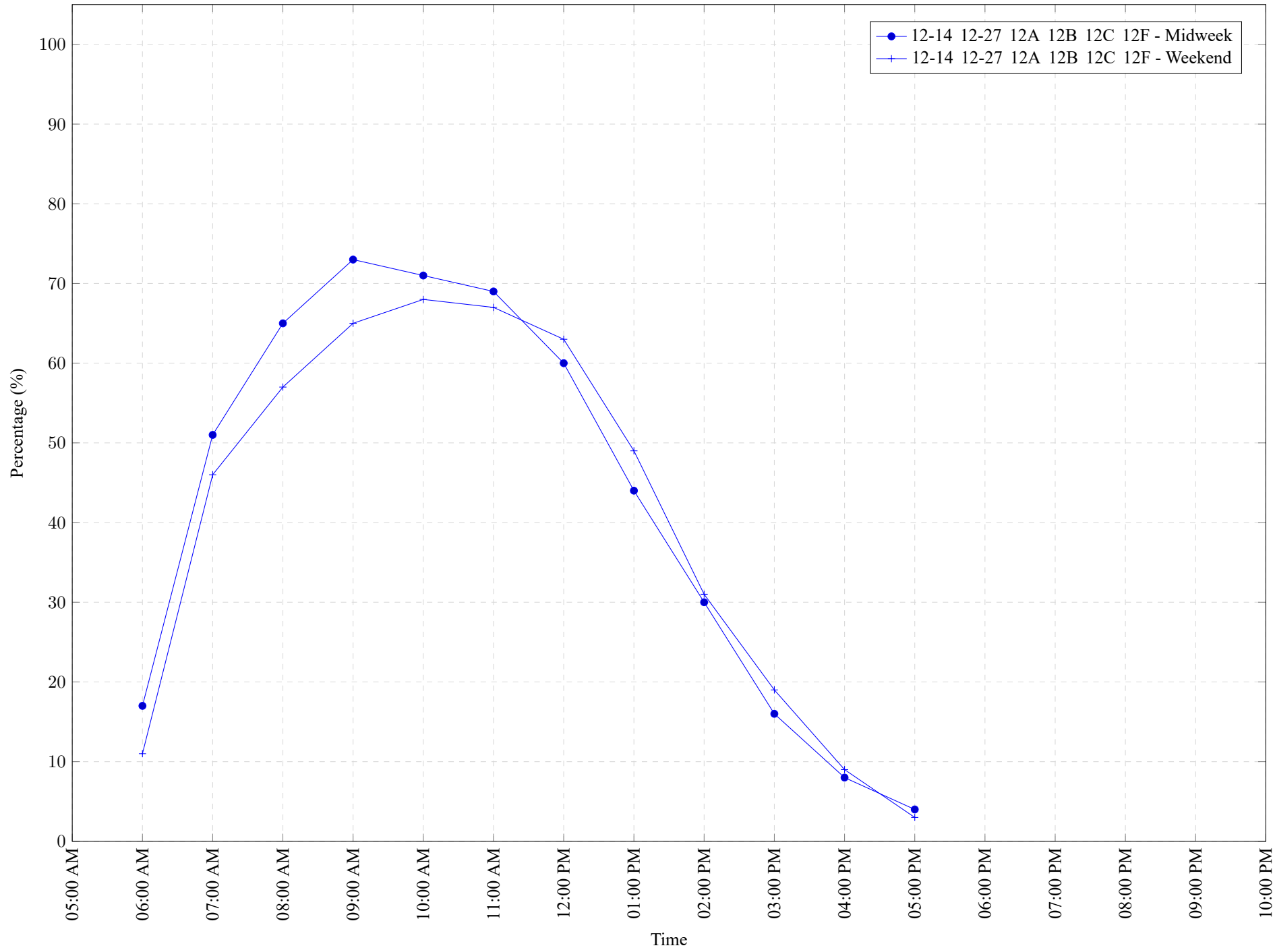


Table 7: Proportion of each day's fishing by hour.

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
12-14	12-27	12A	12B	12C	12F	Midweek	17%	51%	65%	73%	71%	69%	60%	44%	30%	16%	8%	4%	0%	0%	0%	0%	0%
12-14	12-27	12A	12B	12C	12F	Weekend	11%	46%	57%	65%	68%	67%	63%	49%	31%	19%	9%	3%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Alder Bay Campsite	Bear Cove	Port McNeill Ramp	Quarterdeck Marina	Telegraph Cove	
29 Jul 2023	Weekend	calm/rippled		choppy	calm/rippled	calm/rippled	
30 Jul 2023	Weekend				calm/rippled		
31 Jul 2023	Midweek						
01 Aug 2023	Midweek	calm/rippled					
02 Aug 2023	Midweek				choppy		
03 Aug 2023	Midweek	calm/rippled					
04 Aug 2023	Midweek	choppy				calm/rippled	
05 Aug 2023	Weekend	calm/rippled	calm/rippled	calm/rippled	choppy		
06 Aug 2023	Weekend						
07 Aug 2023	Weekend						choppy
08 Aug 2023	Midweek					frequent whitecaps	
09 Aug 2023	Midweek	calm/rippled					
10 Aug 2023	Midweek						
11 Aug 2023	Midweek						
12 Aug 2023	Weekend	choppy					
13 Aug 2023	Weekend				choppy		
14 Aug 2023	Midweek				choppy	choppy	
15 Aug 2023	Midweek	choppy	choppy				
16 Aug 2023	Midweek				choppy		
17 Aug 2023	Midweek						
18 Aug 2023	Midweek					frequent whitecaps	
19 Aug 2023	Weekend	choppy				calm/rippled	
20 Aug 2023	Weekend		choppy			choppy	
21 Aug 2023	Midweek			calm/rippled	calm/rippled		
22 Aug 2023	Midweek	calm/rippled	calm/rippled				
23 Aug 2023	Midweek				calm/rippled		
24 Aug 2023	Midweek						
25 Aug 2023	Midweek					calm/rippled	
26 Aug 2023	Weekend	calm/rippled			calm/rippled		
27 Aug 2023	Weekend	calm/rippled					
28 Aug 2023	Midweek				calm/rippled	choppy	
29 Aug 2023	Midweek				calm/rippled	calm/rippled	
30 Aug 2023	Midweek						
31 Aug 2023	Midweek						
01 Sep 2023	Midweek						
02 Sep 2023	Weekend						
03 Sep 2023	Weekend						