

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 18 September 2023



Prepared By:

South Coast Salmon Stock Assessment Section

Saturday 10th February, 2024



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

Date	Day Type	Cowichan Bay		Crofton Ramp PM	Lady- smith PM	Mill Bay		Sidney (Tulista Park Ramp)	
		AM	PM			AM	PM	AM	PM
29 Aug 2023	Midweek					1			
30 Aug 2023	Midweek								
31 Aug 2023	Midweek								
01 Sep 2023	Midweek						2		
02 Sep 2023	Weekend				1				
03 Sep 2023	Weekend			1			1		
04 Sep 2023	Weekend	4							
05 Sep 2023	Midweek	2							
06 Sep 2023	Midweek								2
07 Sep 2023	Midweek								
08 Sep 2023	Midweek								
09 Sep 2023	Weekend							4	11
10 Sep 2023	Weekend								
11 Sep 2023	Midweek								
12 Sep 2023	Midweek		1					1	
13 Sep 2023	Midweek								
14 Sep 2023	Midweek					1			
15 Sep 2023	Midweek								
16 Sep 2023	Weekend							5	
17 Sep 2023	Weekend		9						3
18 Sep 2023	Midweek								
19 Sep 2023	Midweek								
20 Sep 2023	Midweek								
21 Sep 2023	Midweek								
22 Sep 2023	Midweek								
23 Sep 2023	Weekend								
24 Sep 2023	Weekend								
25 Sep 2023	Midweek								
26 Sep 2023	Midweek					1			
27 Sep 2023	Midweek								
28 Sep 2023	Midweek								
29 Sep 2023	Midweek								2
30 Sep 2023	Weekend					1			
01 Oct 2023	Weekend								3
02 Oct 2023	Midweek								
03 Oct 2023	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-2023	Tuesday	calm/rippled	1							
30-Aug-2023	Wednesday		0					25	1049	49
31-Aug-2023	Thursday		0							
01-Sep-2023	Friday	calm/rippled	2					24	1041	48
02-Sep-2023	Saturday	choppy	1	1						
03-Sep-2023	Sunday	calm/rippled	3	2						
04-Sep-2023	Monday (Labour Day)	choppy	4		1			29	1032	49
05-Sep-2023	Tuesday	choppy	2							
06-Sep-2023	Wednesday	calm/rippled	2	1						
07-Sep-2023	Thursday		0					14	0947	30
08-Sep-2023	Friday		0							
09-Sep-2023	Saturday	calm/rippled	15	1	1			44	1048	75
10-Sep-2023	Sunday		0							
11-Sep-2023	Monday		0							
12-Sep-2023	Tuesday	calm/rippled	3							
13-Sep-2023	Wednesday		0							
14-Sep-2023	Thursday	calm/rippled	1							
15-Sep-2023	Friday		0					16	1037	32
16-Sep-2023	Saturday	choppy	5	1				21	1012	37
17-Sep-2023	Sunday	choppy	12							
18-Sep-2023	Monday		0							
19-Sep-2023	Tuesday		0							
20-Sep-2023	Wednesday		0							
21-Sep-2023	Thursday		0							
22-Sep-2023	Friday		1							
23-Sep-2023	Saturday		0							
24-Sep-2023	Sunday		0					13	1130	21
25-Sep-2023	Monday		0							
26-Sep-2023	Tuesday	calm/rippled	1							
27-Sep-2023	Wednesday		0							
28-Sep-2023	Thursday		0					6	1040	12
29-Sep-2023	Friday	choppy	4							
30-Sep-2023	Saturday	calm/rippled	1							
01-Oct-2023	Sunday	calm/rippled	3					12	1045	21
02-Oct-2023	Monday		0							
03-Oct-2023	Tuesday		0							
	Totals	calm/rippled	16	1				15*		31*
	Totals	choppy	41	5	2			27*		46*

* 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
Midweek	31	20	620	0.063				39			
Weekend	46	10	460	0.122	0.049			56	23		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	September	394	22	16		
2019	September	532	54	40		0
2020	September	922	38	63		0
2021	September	665	123	3		20
2022	September	783	86	48		0
2023	September	971	189	90		0
5-Yr Avg	September	659	65	34		5

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	86	96%	1%	186	96%	1%	1

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	52	0%
iRec Anglers	1800	12%

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

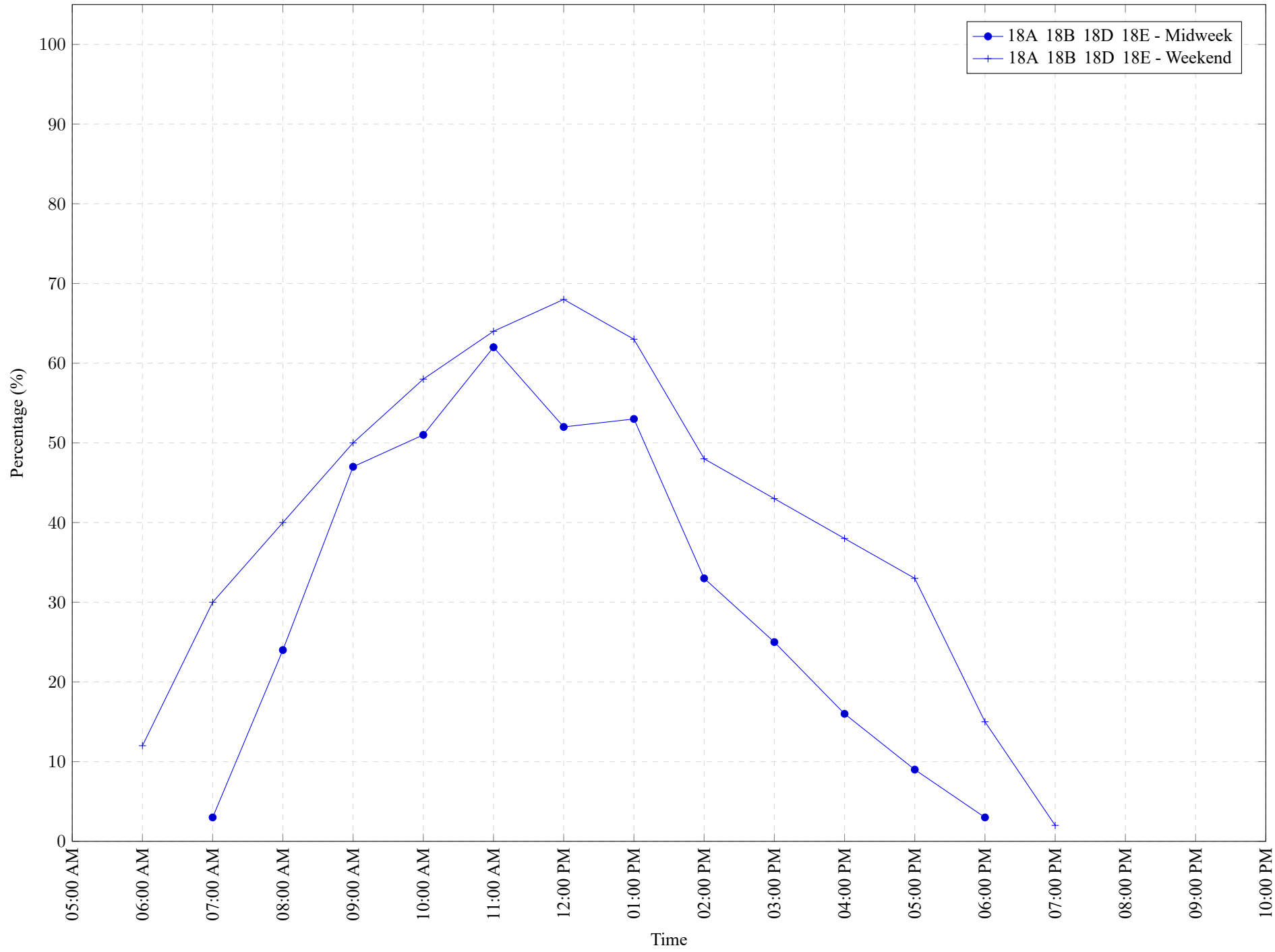


Table 7: Proportion of each day's fishing by hour.

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
18A	18B	18D	18E	Midweek	0%	3%	24%	47%	51%	62%	52%	53%	33%	25%	16%	9%	3%	0%	0%	0%	0%
18A	18B	18D	18E	Weekend	12%	30%	40%	50%	58%	64%	68%	63%	48%	43%	38%	33%	15%	2%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Cowichan Bay	Crofton Ramp	Ladysmith	Mill Bay	Sidney (Tulista Park Ramp)
29 Aug 2023	Midweek				calm/rippled	
30 Aug 2023	Midweek					
31 Aug 2023	Midweek					
01 Sep 2023	Midweek				calm/rippled	
02 Sep 2023	Weekend			choppy		
03 Sep 2023	Weekend		calm/rippled		calm/rippled	
04 Sep 2023	Weekend	choppy				
05 Sep 2023	Midweek	choppy				
06 Sep 2023	Midweek					calm/rippled
07 Sep 2023	Midweek					
08 Sep 2023	Midweek					
09 Sep 2023	Weekend					calm/rippled
10 Sep 2023	Weekend					
11 Sep 2023	Midweek					
12 Sep 2023	Midweek	choppy				calm/rippled
13 Sep 2023	Midweek					
14 Sep 2023	Midweek				calm/rippled	
15 Sep 2023	Midweek					
16 Sep 2023	Weekend					choppy
17 Sep 2023	Weekend	calm/rippled				frequent whitecaps
18 Sep 2023	Midweek					
19 Sep 2023	Midweek					
20 Sep 2023	Midweek					
21 Sep 2023	Midweek					
22 Sep 2023	Midweek					
23 Sep 2023	Weekend					
24 Sep 2023	Weekend					
25 Sep 2023	Midweek					
26 Sep 2023	Midweek				calm/rippled	
27 Sep 2023	Midweek					
28 Sep 2023	Midweek					
29 Sep 2023	Midweek					choppy
30 Sep 2023	Weekend				calm/rippled	
01 Oct 2023	Weekend					calm/rippled
02 Oct 2023	Midweek					
03 Oct 2023	Midweek					