

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 19 (GS) September 2023



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Saturday 10<sup>th</sup> February, 2024



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

Date	Day Type	Cattle Point		Cowichan Bay PM	Mill Bay		Sidney (Tulista Park Ramp)	
		AM	PM		AM	PM	AM	PM
29 Aug 2023	Midweek							
30 Aug 2023	Midweek							
31 Aug 2023	Midweek							
01 Sep 2023	Midweek					1		
02 Sep 2023	Weekend							
03 Sep 2023	Weekend							
04 Sep 2023	Weekend							
05 Sep 2023	Midweek							
06 Sep 2023	Midweek							5
07 Sep 2023	Midweek							
08 Sep 2023	Midweek							
09 Sep 2023	Weekend	1					1	12
10 Sep 2023	Weekend							
11 Sep 2023	Midweek							
12 Sep 2023	Midweek						1	
13 Sep 2023	Midweek							
14 Sep 2023	Midweek							
15 Sep 2023	Midweek							
16 Sep 2023	Weekend						2	
17 Sep 2023	Weekend			2		2		7
18 Sep 2023	Midweek						1	
19 Sep 2023	Midweek							
20 Sep 2023	Midweek							
21 Sep 2023	Midweek					2		
22 Sep 2023	Midweek		1					
23 Sep 2023	Weekend							
24 Sep 2023	Weekend							
25 Sep 2023	Midweek							
26 Sep 2023	Midweek				3			
27 Sep 2023	Midweek							
28 Sep 2023	Midweek							
29 Sep 2023	Midweek							3
30 Sep 2023	Weekend				3			
01 Oct 2023	Weekend							10
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		0							
30-Aug-2023	Wednesday		0					6	0955	14
31-Aug-2023	Thursday		0							
01-Sep-2023	Friday	calm/rippled	1					5	0939	12
02-Sep-2023	Saturday		0							
03-Sep-2023	Sunday		0							
04-Sep-2023	Monday (Labour Day)		0					15	0931	31
05-Sep-2023	Tuesday		0							
06-Sep-2023	Wednesday	calm/rippled	5							
07-Sep-2023	Thursday		0					0	0909	0
08-Sep-2023	Friday		0							
09-Sep-2023	Saturday	calm/rippled	14	2				43	0938	82
10-Sep-2023	Sunday		0							
11-Sep-2023	Monday		0							
12-Sep-2023	Tuesday	calm/rippled	1							
13-Sep-2023	Wednesday		0							
14-Sep-2023	Thursday		0							
15-Sep-2023	Friday		0					4	0935	9
16-Sep-2023	Saturday	choppy	2					8	0921	17
17-Sep-2023	Sunday	choppy	11	1						
18-Sep-2023	Monday	calm/rippled	3	1						
19-Sep-2023	Tuesday		0							
20-Sep-2023	Wednesday		0							
21-Sep-2023	Thursday	calm/rippled	2							
22-Sep-2023	Friday	calm/rippled	1							
23-Sep-2023	Saturday		0							
24-Sep-2023	Sunday		0					7	1017	11
25-Sep-2023	Monday		0							
26-Sep-2023	Tuesday	calm/rippled	3							
27-Sep-2023	Wednesday		0							
28-Sep-2023	Thursday		0					1	0938	2
29-Sep-2023	Friday	choppy	3							
30-Sep-2023	Saturday	calm/rippled	3							
01-Oct-2023	Sunday	calm/rippled	10		2			5	0954	9
02-Oct-2023	Monday		0							
03-Oct-2023	Tuesday		0							
	Totals	calm/rippled	19	1				3*		6*
	Totals	choppy	30	3				18*		35*

\* 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	6	20	120	0.053				6			
Weekend	35	10	350	0.1				35			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	September	367	35			
2019	September	446	15	5		0
2020	September	601	37	0		0
2021	September	262	5			0
2022	September	509	55			0
2023	September	462	45	0		0
5-Yr Avg	September	437	29	3		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	0	0%		4	67%	25%	1

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	47	0%
iRec Anglers	203	8%

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

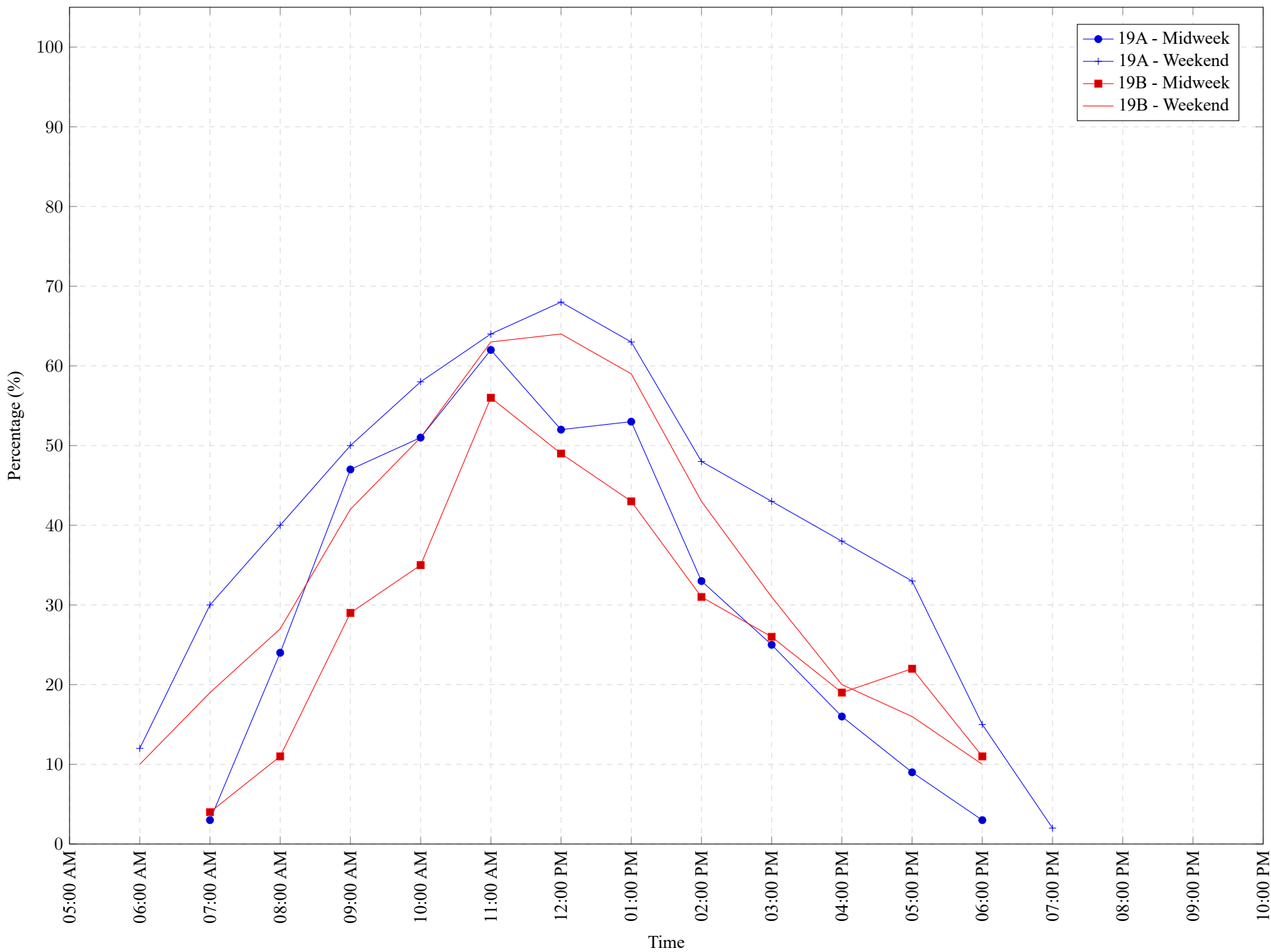


Table 7: Proportion of each day's fishing by hour.

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
19A	Midweek	0%	3%	24%	47%	51%	62%	52%	53%	33%	25%	16%	9%	3%	0%	0%	0%	0%
19A	Weekend	12%	30%	40%	50%	58%	64%	68%	63%	48%	43%	38%	33%	15%	2%	0%	0%	0%
19B	Midweek	0%	4%	11%	29%	35%	56%	49%	43%	31%	26%	19%	22%	11%	0%	0%	0%	0%
19B	Weekend	10%	19%	27%	42%	51%	63%	64%	59%	43%	31%	20%	16%	10%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

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