

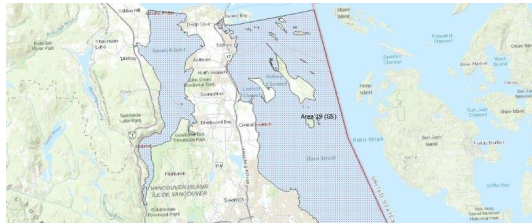
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 19 (GS) June 2023



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Thursday 8<sup>th</sup> February, 2024



Fisheries and Oceans  
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Canada



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

Date	Day Type	Cattle Point PM	Cowichan Bay		Mill Bay		Sidney (Tulista Park Ramp)	
			AM	PM	AM	PM	AM	PM
29 May 2023	Midweek					1		
30 May 2023	Midweek							
31 May 2023	Midweek			1				
01 Jun 2023	Midweek							
02 Jun 2023	Midweek							
03 Jun 2023	Weekend			2				6
04 Jun 2023	Weekend					4		
05 Jun 2023	Midweek					3		2
06 Jun 2023	Midweek							
07 Jun 2023	Midweek							
08 Jun 2023	Midweek							
09 Jun 2023	Midweek				2			
10 Jun 2023	Weekend		4					
11 Jun 2023	Weekend							
12 Jun 2023	Midweek							
13 Jun 2023	Midweek				3			
14 Jun 2023	Midweek							
15 Jun 2023	Midweek							
16 Jun 2023	Midweek							
17 Jun 2023	Weekend							
18 Jun 2023	Weekend							
19 Jun 2023	Midweek							
20 Jun 2023	Midweek							
21 Jun 2023	Midweek							
22 Jun 2023	Midweek							
23 Jun 2023	Midweek							
24 Jun 2023	Weekend							
25 Jun 2023	Weekend							
26 Jun 2023	Midweek							
27 Jun 2023	Midweek						2	
28 Jun 2023	Midweek							1
29 Jun 2023	Midweek							
30 Jun 2023	Midweek					4		
01 Jul 2023	Weekend			1				
02 Jul 2023	Weekend							
03 Jul 2023	Weekend	1		1				5

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-May-2023	Monday	choppy	1							
30-May-2023	Tuesday		4							
31-May-2023	Wednesday	calm/rippled	3							
01-Jun-2023	Thursday		11							
02-Jun-2023	Friday		0							
03-Jun-2023	Saturday	calm/rippled	8					18	1007	41
04-Jun-2023	Sunday	calm/rippled	4							
05-Jun-2023	Monday	choppy	5					1	1002	2
06-Jun-2023	Tuesday		8							
07-Jun-2023	Wednesday		14							
08-Jun-2023	Thursday		8					5	1009	10
09-Jun-2023	Friday	choppy	2							
10-Jun-2023	Saturday	calm/rippled	4							
11-Jun-2023	Sunday		0					19	1009	46
12-Jun-2023	Monday		0							
13-Jun-2023	Tuesday	calm/rippled	11							
14-Jun-2023	Wednesday		8							
15-Jun-2023	Thursday		10					6	1008	13
16-Jun-2023	Friday		0							
17-Jun-2023	Saturday		0					13	1006	32
18-Jun-2023	Sunday		0							
19-Jun-2023	Monday		0							
20-Jun-2023	Tuesday		8							
21-Jun-2023	Wednesday		12							
22-Jun-2023	Thursday		9							
23-Jun-2023	Friday		2							
24-Jun-2023	Saturday		0					1	1011	2
25-Jun-2023	Sunday		0							
26-Jun-2023	Monday		0							
27-Jun-2023	Tuesday	choppy	11							
28-Jun-2023	Wednesday	choppy	9							
29-Jun-2023	Thursday		2							
30-Jun-2023	Friday	choppy	4					2	0948	4
01-Jul-2023	Saturday	choppy	1					14	1000	33
02-Jul-2023	Sunday		0					13	0944	30
03-Jul-2023	Monday (Canada Day)	calm/rippled	7							
	Totals	choppy	134					4*		7*
	Totals	calm/rippled	16					13*		30*

\* 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	7	22	154								
Weekend	30	8	240								

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	June	1219	38			
2019	June	237	0			0
2020	June	313				11
2021	June	366	0			12
2022	June	444	0			0
2023	June	453	4	0		0
5-Yr Avg	June	516	10			6

**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	4	100%	200%	73	100%	11%	8

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	150	26%
iRec Anglers	616	8%

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

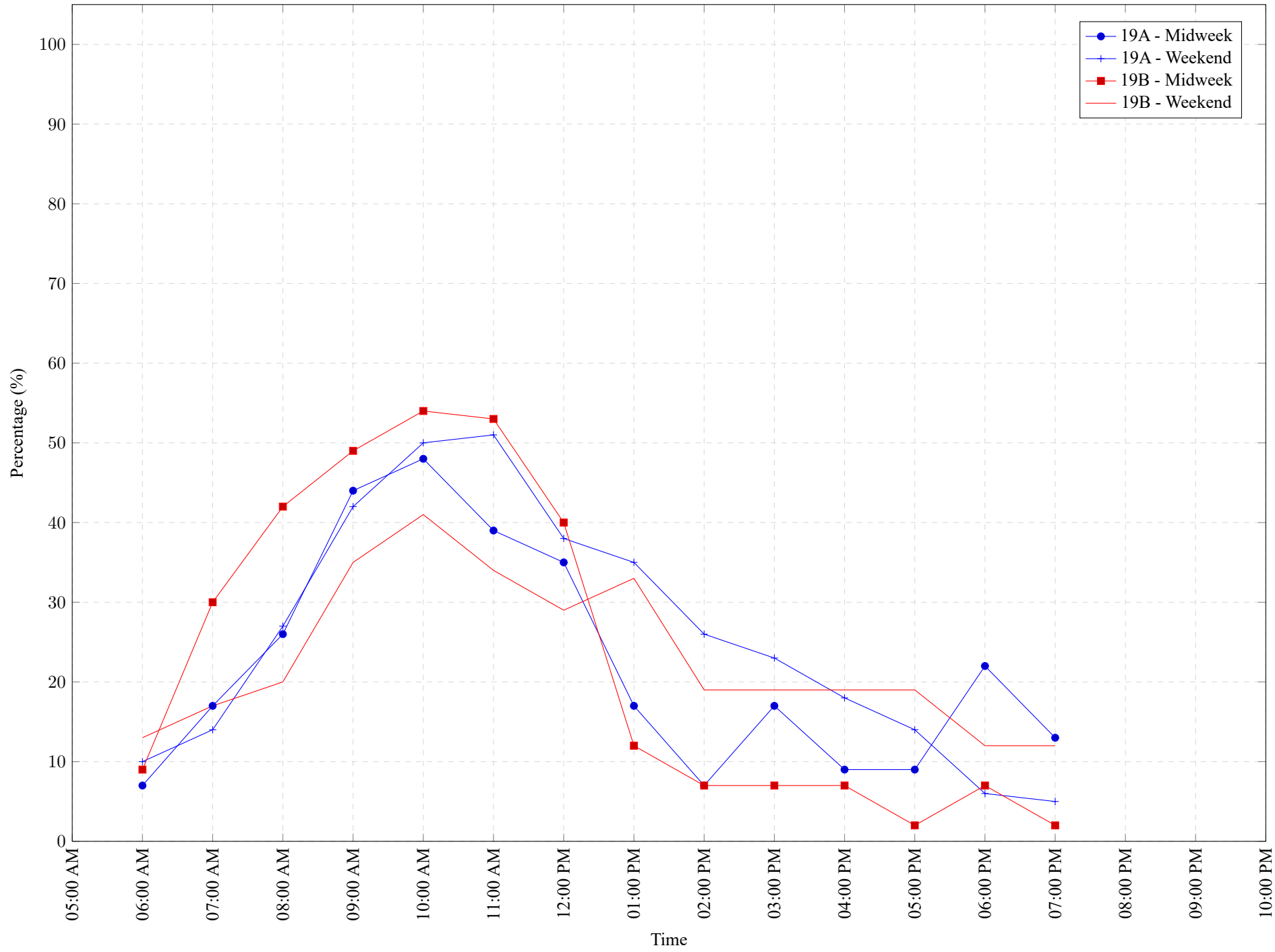


Table 7: Proportion of each day's fishing by hour.

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	7%	17%	26%	44%	48%	39%	35%	17%	7%	17%	9%	9%	22%	13%	0%	0%	0%
19A	Weekend	10%	14%	27%	42%	50%	51%	38%	35%	26%	23%	18%	14%	6%	5%	0%	0%	0%
19B	Midweek	9%	30%	42%	49%	54%	53%	40%	12%	7%	7%	7%	2%	7%	2%	0%	0%	0%
19B	Weekend	13%	17%	20%	35%	41%	34%	29%	33%	19%	19%	19%	19%	12%	12%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

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