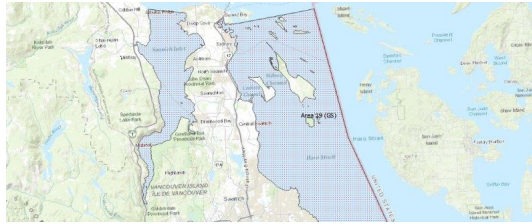


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (GS) April 2023



Prepared By:

South Coast Salmon Stock Assessment Section

Wednesday 7th February, 2024



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

		Cattle Point	Cowichan Bay		Mill Bay		Sidney (Tulista Park Ramp)	
Date	Day Type	MD	AM	PM	AM	PM	MD	PM
29 Mar 2023	Midweek	3						
30 Mar 2023	Midweek							
31 Mar 2023	Midweek						3	
01 Apr 2023	Weekend		1					
02 Apr 2023	Weekend		5					
03 Apr 2023	Midweek		13					
04 Apr 2023	Midweek							
05 Apr 2023	Midweek							
06 Apr 2023	Midweek							
07 Apr 2023	Weekend		1					
08 Apr 2023	Weekend							
09 Apr 2023	Weekend		16					
10 Apr 2023	Midweek							
11 Apr 2023	Midweek							
12 Apr 2023	Midweek							
13 Apr 2023	Midweek							
14 Apr 2023	Midweek		2					
15 Apr 2023	Weekend		11					
16 Apr 2023	Weekend							
17 Apr 2023	Midweek							
18 Apr 2023	Midweek		2					
19 Apr 2023	Midweek							
20 Apr 2023	Midweek							
21 Apr 2023	Midweek							
22 Apr 2023	Weekend							
23 Apr 2023	Weekend							
24 Apr 2023	Midweek							
25 Apr 2023	Midweek							
26 Apr 2023	Midweek							
27 Apr 2023	Midweek							
28 Apr 2023	Midweek							
29 Apr 2023	Weekend							
30 Apr 2023	Weekend							
01 May 2023	Midweek		5					
02 May 2023	Midweek							
03 May 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-Mar-2023	Wednesday	calm/rippled	3							
30-Mar-2023	Thursday		0							
31-Mar-2023	Friday	frequent whitecaps	3							
01-Apr-2023	Saturday	frequent whitecaps	1							
02-Apr-2023	Sunday	calm/rippled	5					3	0944	7
03-Apr-2023	Monday	choppy	13							
04-Apr-2023	Tuesday		0							
05-Apr-2023	Wednesday		0					1	0938	1
06-Apr-2023	Thursday		0							
07-Apr-2023	Friday (Good Friday)	calm/rippled	2					2	0926	5
08-Apr-2023	Saturday		0							
09-Apr-2023	Sunday	choppy	16							
10-Apr-2023	Monday		0							
11-Apr-2023	Tuesday		0							
12-Apr-2023	Wednesday		0							
13-Apr-2023	Thursday		0							
14-Apr-2023	Friday	choppy	2					5	0936	5
15-Apr-2023	Saturday	calm/rippled	11							
16-Apr-2023	Sunday		0							
17-Apr-2023	Monday		0							
18-Apr-2023	Tuesday	calm/rippled	2							
19-Apr-2023	Wednesday		0							
20-Apr-2023	Thursday		0							
21-Apr-2023	Friday		0					1	0939	1
22-Apr-2023	Saturday		0							
23-Apr-2023	Sunday		0							
24-Apr-2023	Monday		0							
25-Apr-2023	Tuesday		0							
26-Apr-2023	Wednesday		0							
27-Apr-2023	Thursday		0							
28-Apr-2023	Friday		0							
29-Apr-2023	Saturday		0					17	0951	36
30-Apr-2023	Sunday		0							
01-May-2023	Monday	calm/rippled	14							
02-May-2023	Tuesday		0							
03-May-2023	Wednesday		0							
	Totals	choppy	17					2*		2*
	Totals	choppy	35					7*		16*

* 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	16	11	176								
Midweek	2	19	38								

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	April	373	21			
2019	April	263	3			0
2021	April	187	0			18
2022	April	77	0			0
2023	April	252	0			68
5-Yr Avg	April	225	6			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
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Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	52	0%
iRec Anglers	149	3%

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

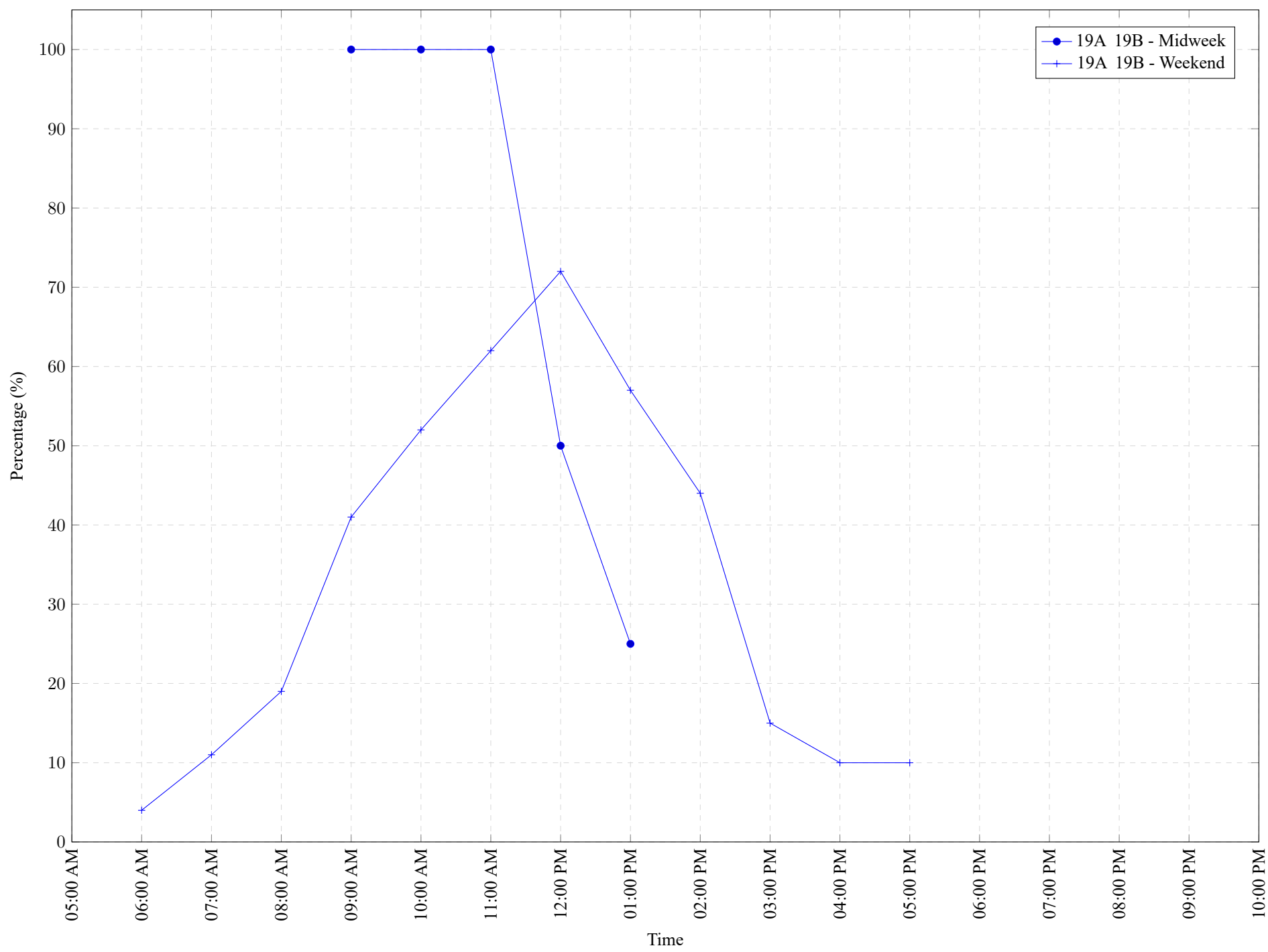


Table 7: Proportion of each day’s fishing by hour.

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
19A	19B	Midweek	0%	0%	0%	100%	100%	100%	50%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%
19A	19B	Weekend	4%	11%	19%	41%	52%	62%	72%	57%	44%	15%	10%	10%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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