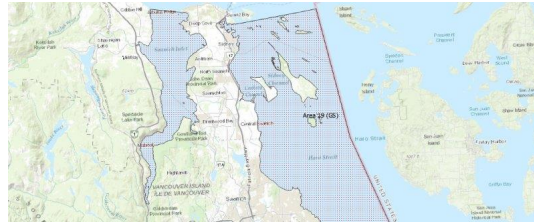


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (GS) April 2024



Prepared By:
South Coast Salmon Stock Assessment Section

Wednesday 12th June, 2024



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

Date	Day Type	Cattle Point		Cowichan Bay AM	Mill Bay			Sidney (Tulista Park Ramp)		
		MD	PM		AM	MD	PM	AM	MD	PM
29 Mar 2024	Weekend					12				
30 Mar 2024	Weekend					8				
31 Mar 2024	Weekend	3							18	
01 Apr 2024	Midweek									
02 Apr 2024	Midweek						8			
03 Apr 2024	Midweek									
04 Apr 2024	Midweek									
05 Apr 2024	Midweek									
06 Apr 2024	Weekend				13					
07 Apr 2024	Weekend									
08 Apr 2024	Midweek									
09 Apr 2024	Midweek									
10 Apr 2024	Midweek									
11 Apr 2024	Midweek									5
12 Apr 2024	Midweek				12					
13 Apr 2024	Weekend		1							
14 Apr 2024	Weekend									
15 Apr 2024	Midweek									
16 Apr 2024	Midweek									
17 Apr 2024	Midweek				6					
18 Apr 2024	Midweek									4
19 Apr 2024	Midweek						6			
20 Apr 2024	Weekend									17
21 Apr 2024	Weekend						5			
22 Apr 2024	Midweek							3		
23 Apr 2024	Midweek									
24 Apr 2024	Midweek									
25 Apr 2024	Midweek									
26 Apr 2024	Midweek									
27 Apr 2024	Weekend									
28 Apr 2024	Weekend							3		
29 Apr 2024	Midweek							2		
30 Apr 2024	Midweek									
01 May 2024	Midweek			4	8					
02 May 2024	Midweek									
03 May 2024	Midweek							8		

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-2024	Friday (Good Friday)	calm/rippled	12							
30-Mar-2024	Saturday	calm/rippled	8					56	1100	144
31-Mar-2024	Sunday	calm/rippled	21	12			1			
01-Apr-2024	Monday		0					15	1106	47
02-Apr-2024	Tuesday	choppy	10							
03-Apr-2024	Wednesday		4							
04-Apr-2024	Thursday		1							
05-Apr-2024	Friday		0							
06-Apr-2024	Saturday	choppy	13							
07-Apr-2024	Sunday		0					7	1106	18
08-Apr-2024	Monday		0							
09-Apr-2024	Tuesday		1					6	1100	19
10-Apr-2024	Wednesday		4							
11-Apr-2024	Thursday	choppy	10							
12-Apr-2024	Friday	choppy	12							
13-Apr-2024	Saturday	choppy	1					5	1053	14
14-Apr-2024	Sunday		0							
15-Apr-2024	Monday		0							
16-Apr-2024	Tuesday		3							
17-Apr-2024	Wednesday	calm/rippled	11					10	1058	32
18-Apr-2024	Thursday	choppy	7							
19-Apr-2024	Friday	calm/rippled	6							
20-Apr-2024	Saturday	choppy	17							
21-Apr-2024	Sunday	choppy	5					10	1103	26
22-Apr-2024	Monday	choppy	3							
23-Apr-2024	Tuesday		7					8	1058	26
24-Apr-2024	Wednesday		5							
25-Apr-2024	Thursday		5							
26-Apr-2024	Friday		0							
27-Apr-2024	Saturday		0					3	1104	7
28-Apr-2024	Sunday	choppy	3							
29-Apr-2024	Monday	choppy	2							
30-Apr-2024	Tuesday		8							
01-May-2024	Wednesday	calm/rippled	14							
02-May-2024	Thursday		0					15	1002	42
03-May-2024	Friday	calm/rippled	8							
	Totals	choppy	99					10*		31*
	Totals	choppy	39					6*		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	8	128								
Midweek	31	22	682								

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2019	April	263	3			0
2021	April	187	0			18
2022	April	77	0			0
2023	April	252	0			68
2024	April	927	153			14
5-Yr Avg	April	195	1			22

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

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	85	0%
iRec Anglers	94	0%

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

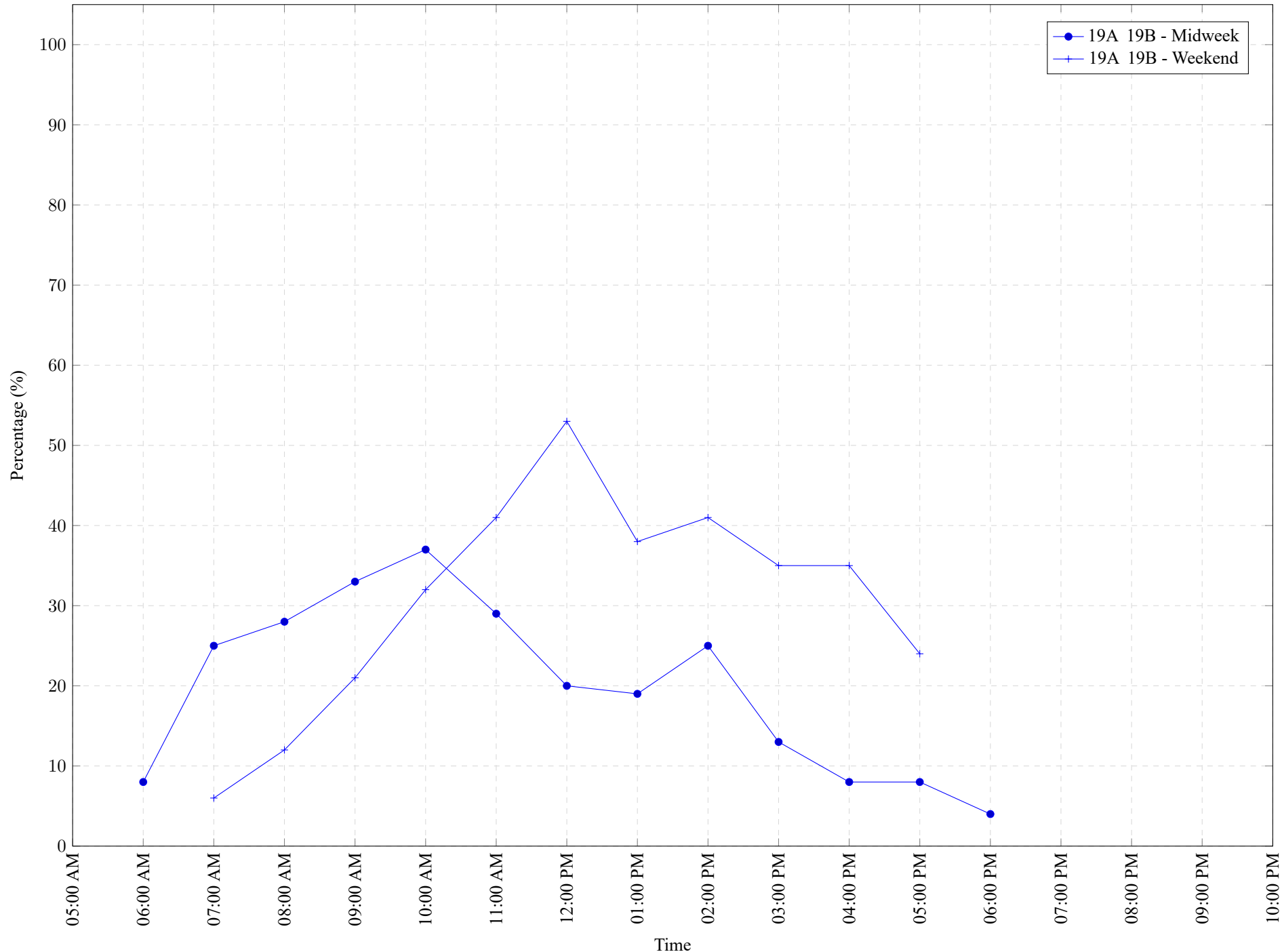


Table 7: Proportion of each day's fishing by hour.

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	8%	25%	28%	33%	37%	29%	20%	19%	25%	13%	8%	8%	4%	0%	0%	0%	0%
19A	19B	Weekend	0%	6%	12%	21%	32%	41%	53%	38%	41%	35%	35%	24%	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 2024	Weekend			calm/rippled	
30 Mar 2024	Weekend			calm/rippled	
31 Mar 2024	Weekend	calm/rippled			calm/rippled
01 Apr 2024	Midweek				
02 Apr 2024	Midweek			choppy	
03 Apr 2024	Midweek				
04 Apr 2024	Midweek				
05 Apr 2024	Midweek				
06 Apr 2024	Weekend			choppy	
07 Apr 2024	Weekend				
08 Apr 2024	Midweek				
09 Apr 2024	Midweek				
10 Apr 2024	Midweek				
11 Apr 2024	Midweek				choppy
12 Apr 2024	Midweek			choppy	
13 Apr 2024	Weekend	choppy			
14 Apr 2024	Weekend				
15 Apr 2024	Midweek				
16 Apr 2024	Midweek				
17 Apr 2024	Midweek			calm/rippled	
18 Apr 2024	Midweek				choppy
19 Apr 2024	Midweek			calm/rippled	
20 Apr 2024	Weekend				choppy
21 Apr 2024	Weekend			choppy	
22 Apr 2024	Midweek				choppy
23 Apr 2024	Midweek				
24 Apr 2024	Midweek				
25 Apr 2024	Midweek				
26 Apr 2024	Midweek				
27 Apr 2024	Weekend				
28 Apr 2024	Weekend				choppy
29 Apr 2024	Midweek				choppy
30 Apr 2024	Midweek		choppy	calm/rippled	
01 May 2024	Midweek				
02 May 2024	Midweek				
03 May 2024	Midweek				calm/rippled