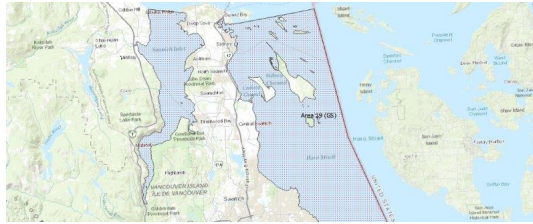


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (GS) August 2023



Prepared By:

South Coast Salmon Stock Assessment Section

Saturday 10th 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.

Date	Day Type	Cattle Point	Cowichan Bay		Mill Bay		Sidney (Tulista Park Ramp)	
		PM	AM	PM	AM	PM	AM	PM
29 Jul 2023	Weekend							
30 Jul 2023	Weekend				5			
31 Jul 2023	Midweek							
01 Aug 2023	Midweek							
02 Aug 2023	Midweek			4				
03 Aug 2023	Midweek							
04 Aug 2023	Midweek					8		
05 Aug 2023	Weekend						5	
06 Aug 2023	Weekend							
07 Aug 2023	Weekend							
08 Aug 2023	Midweek							
09 Aug 2023	Midweek				4			1
10 Aug 2023	Midweek						1	
11 Aug 2023	Midweek							
12 Aug 2023	Weekend							12
13 Aug 2023	Weekend	2	1					
14 Aug 2023	Midweek							
15 Aug 2023	Midweek							
16 Aug 2023	Midweek							
17 Aug 2023	Midweek			3		1		
18 Aug 2023	Midweek							
19 Aug 2023	Weekend			1				4
20 Aug 2023	Weekend				3			
21 Aug 2023	Midweek							2
22 Aug 2023	Midweek							
23 Aug 2023	Midweek						2	
24 Aug 2023	Midweek							
25 Aug 2023	Midweek							
26 Aug 2023	Weekend					5		
27 Aug 2023	Weekend			1				
28 Aug 2023	Midweek							4
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							

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-Jul-2023	Saturday		0							
30-Jul-2023	Sunday	choppy	5							
31-Jul-2023	Monday		0							
01-Aug-2023	Tuesday		0							
02-Aug-2023	Wednesday	calm/rippled	4					4	0949	8
03-Aug-2023	Thursday		0							
04-Aug-2023	Friday	choppy	10	3						
05-Aug-2023	Saturday	choppy	5	1						
06-Aug-2023	Sunday		0					23	0945	49
07-Aug-2023	Monday (B.C. Day)		0					27	0943	58
08-Aug-2023	Tuesday		1	1						
09-Aug-2023	Wednesday	choppy	5					3	0948	7
10-Aug-2023	Thursday	calm/rippled	1							
11-Aug-2023	Friday		2	2						
12-Aug-2023	Saturday	calm/rippled	12							
13-Aug-2023	Sunday	calm/rippled	3					14	1002	28
14-Aug-2023	Monday		0							
15-Aug-2023	Tuesday		0					8	1006	17
16-Aug-2023	Wednesday		0							
17-Aug-2023	Thursday	choppy	4							
18-Aug-2023	Friday		0							
19-Aug-2023	Saturday	calm/rippled	5					14	1021	30
20-Aug-2023	Sunday	calm/rippled	3							
21-Aug-2023	Monday	calm/rippled	2		1					
22-Aug-2023	Tuesday		0					1	1008	3
23-Aug-2023	Wednesday	choppy	2							
24-Aug-2023	Thursday		0							
25-Aug-2023	Friday		0							
26-Aug-2023	Saturday	calm/rippled	5	1				12	1018	26
27-Aug-2023	Sunday	calm/rippled	1	1						
28-Aug-2023	Monday	choppy	4							
29-Aug-2023	Tuesday		0							
30-Aug-2023	Wednesday		0					6	0955	13
31-Aug-2023	Thursday		0							
01-Sep-2023	Friday	calm/rippled	1					5	0939	11
02-Sep-2023	Saturday		0							
03-Sep-2023	Sunday		0							
	Totals	choppy	35	6	1			4*		10*
	Totals	calm/rippled	34	3				18*		38*

* 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	38	9	342	0.088				30			
Midweek	10	22	220	0.171	0.029			38	6		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	August	645	134			
2019	August	784	264			0
2020	August	638	1			0
2021	August	501	69	0		0
2022	August	626	101	2		0
2023	August	544	42	13		0
5-Yr Avg	August	639	114	1		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	13	100%	8%	0	0%		1

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	64	0%
iRec Anglers	495	7%

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

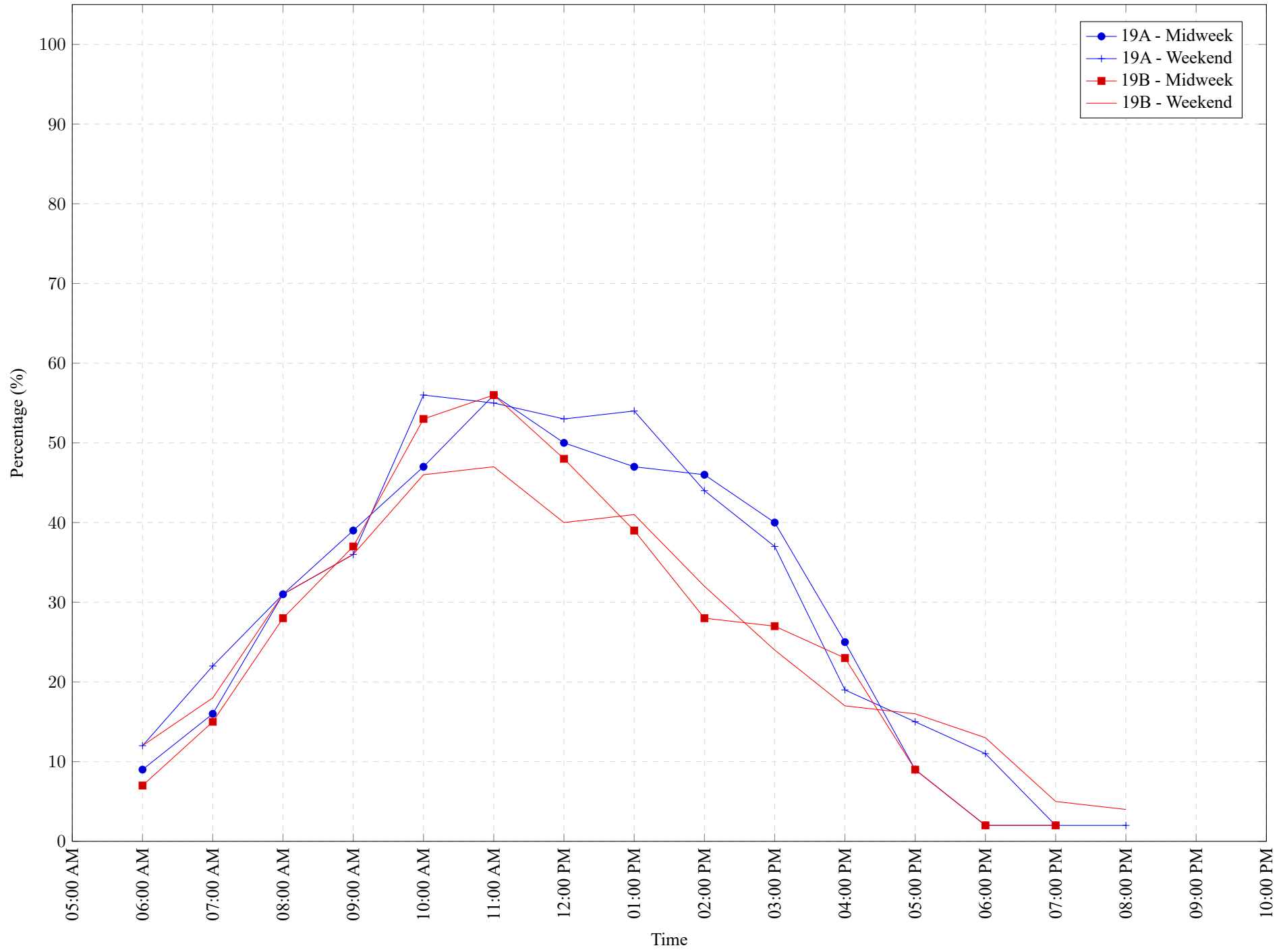


Table 7: Proportion of each day’s fishing by hour.

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	Midweek	9%	16%	31%	39%	47%	56%	50%	47%	46%	40%	25%	9%	2%	2%	0%	0%	0%
19A	Weekend	12%	22%	31%	36%	56%	55%	53%	54%	44%	37%	19%	15%	11%	2%	2%	0%	0%
19B	Midweek	7%	15%	28%	37%	53%	56%	48%	39%	28%	27%	23%	9%	2%	2%	0%	0%	0%
19B	Weekend	12%	18%	31%	36%	46%	47%	40%	41%	32%	24%	17%	16%	13%	5%	4%	0%	0%

Table 8: Daily Fishing Conditions.

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