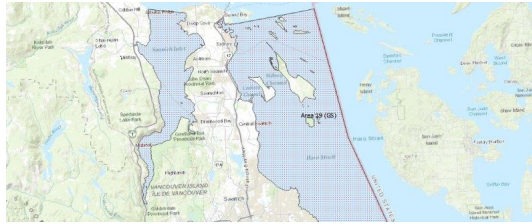


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (GS) July 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Friday 9th February, 2024



Fisheries and Oceans
Canada

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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		Cowichan Bay		Mill Bay		Sidney (Tulista Park Ramp)	
		AM	PM	AM	PM	AM	PM	AM	PM
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
04 Jul 2023	Midweek								
05 Jul 2023	Midweek								
06 Jul 2023	Midweek								1
07 Jul 2023	Midweek								
08 Jul 2023	Weekend								
09 Jul 2023	Weekend							8	
10 Jul 2023	Midweek								
11 Jul 2023	Midweek								
12 Jul 2023	Midweek							3	
13 Jul 2023	Midweek				1				
14 Jul 2023	Midweek								
15 Jul 2023	Weekend	1							
16 Jul 2023	Weekend			1					
17 Jul 2023	Midweek								2
18 Jul 2023	Midweek								
19 Jul 2023	Midweek		3					2	
20 Jul 2023	Midweek								
21 Jul 2023	Midweek						3		
22 Jul 2023	Weekend								3
23 Jul 2023	Weekend						4	2	
24 Jul 2023	Midweek								
25 Jul 2023	Midweek								
26 Jul 2023	Midweek				3				
27 Jul 2023	Midweek							3	
28 Jul 2023	Midweek					7			
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								

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
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	31
02-Jul-2023	Sunday		0					13	0944	29
03-Jul-2023	Monday (Canada Day)	calm/rippled	7							
04-Jul-2023	Tuesday		5					4	1008	10
05-Jul-2023	Wednesday		2							
06-Jul-2023	Thursday	calm/rippled	6							
07-Jul-2023	Friday		0							
08-Jul-2023	Saturday		0					12	1010	27
09-Jul-2023	Sunday	calm/rippled	8							
10-Jul-2023	Monday		0					4	1011	10
11-Jul-2023	Tuesday		7							
12-Jul-2023	Wednesday	calm/rippled	8							
13-Jul-2023	Thursday	choppy	5							
14-Jul-2023	Friday		0					2	0949	4
15-Jul-2023	Saturday	calm/rippled	1					11	0952	25
16-Jul-2023	Sunday	choppy	1							
17-Jul-2023	Monday	calm/rippled	2							
18-Jul-2023	Tuesday		4							
19-Jul-2023	Wednesday	calm/rippled	8					5	1004	10
20-Jul-2023	Thursday		4							
21-Jul-2023	Friday	calm/rippled	3							
22-Jul-2023	Saturday	calm/rippled	3					10	1015	23
23-Jul-2023	Sunday	choppy	6							
24-Jul-2023	Monday		1					8	1009	16
25-Jul-2023	Tuesday		2							
26-Jul-2023	Wednesday	calm/rippled	11							
27-Jul-2023	Thursday	choppy	12							
28-Jul-2023	Friday	choppy	7							
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	7
03-Aug-2023	Thursday		0							
	Totals	calm/rippled	87					5*		10*
	Totals	choppy	32					12*		27*

* 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	10	20	200								
Weekend	27	11	297								

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	July	664	105	2		
2019	July	348	0			0
2020	July	445	0			0
2021	July	285	0	0	0	0
2022	July	427	0			0
2023	July	487	0	0		0
5-Yr Avg	July	434	21	1	0	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
Chinook	0	0%		11	100%	9%	1

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	118	12%
iRec Anglers	384	7%

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

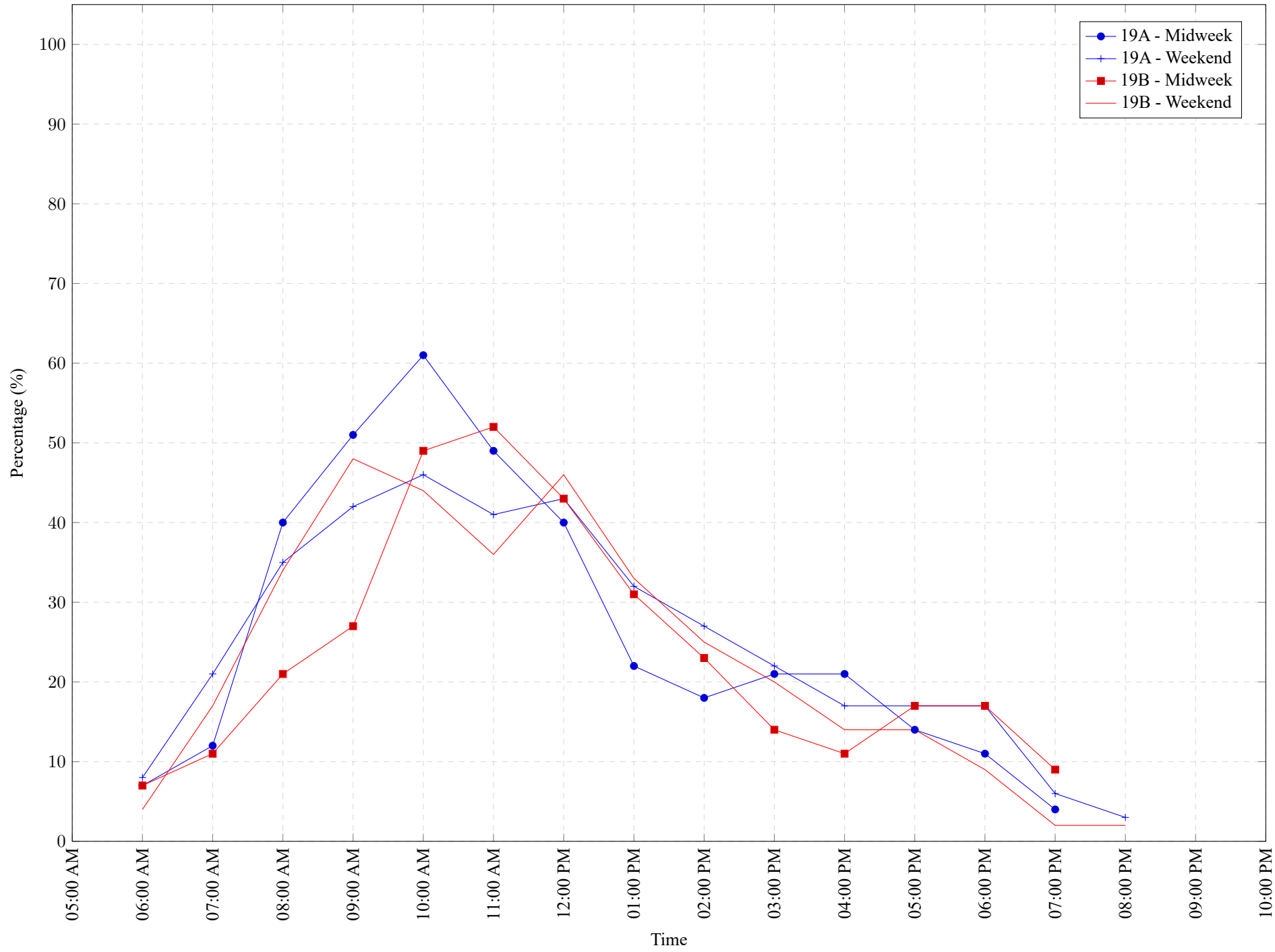


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00	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%	12%	40%	51%	61%	49%	40%	22%	18%	21%	21%	14%	11%	4%	0%	0%	0%
19A	Weekend	8%	21%	35%	42%	46%	41%	43%	32%	27%	22%	17%	17%	17%	6%	3%	0%	0%
19B	Midweek	7%	11%	21%	27%	49%	52%	43%	31%	23%	14%	11%	17%	17%	9%	0%	0%	0%
19B	Weekend	4%	17%	34%	48%	44%	36%	46%	33%	25%	20%	14%	14%	9%	2%	2%	0%	0%

Table 8: Daily Fishing Conditions.

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