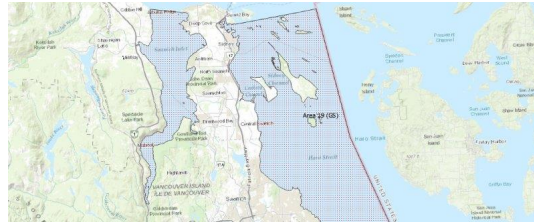


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (GS) August 2024



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 10th October, 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 PM	Mill Bay		Sidney (Tulista Park Ramp)	
		AM	PM		AM	PM	AM	PM
29 Jul 2024	Midweek		1					
30 Jul 2024	Midweek							
31 Jul 2024	Midweek							
01 Aug 2024	Midweek							
02 Aug 2024	Midweek				1			10
03 Aug 2024	Weekend						9	
04 Aug 2024	Weekend							
05 Aug 2024	Weekend						6	
06 Aug 2024	Midweek			1				
07 Aug 2024	Midweek					1		
08 Aug 2024	Midweek							
09 Aug 2024	Midweek							
10 Aug 2024	Weekend				3			11
11 Aug 2024	Weekend	1						
12 Aug 2024	Midweek							
13 Aug 2024	Midweek							
14 Aug 2024	Midweek					7		
15 Aug 2024	Midweek							
16 Aug 2024	Midweek							
17 Aug 2024	Weekend							
18 Aug 2024	Weekend		2					
19 Aug 2024	Midweek							
20 Aug 2024	Midweek							
21 Aug 2024	Midweek						1	
22 Aug 2024	Midweek							
23 Aug 2024	Midweek							
24 Aug 2024	Weekend					4		
25 Aug 2024	Weekend							
26 Aug 2024	Midweek							
27 Aug 2024	Midweek							
28 Aug 2024	Midweek							
29 Aug 2024	Midweek						2	
30 Aug 2024	Midweek				3			
31 Aug 2024	Weekend							
01 Sep 2024	Weekend		2					
02 Sep 2024	Weekend							
03 Sep 2024	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-Jul-2024	Monday	calm/rippled	1							
30-Jul-2024	Tuesday		6							
31-Jul-2024	Wednesday		6							
01-Aug-2024	Thursday		0							
02-Aug-2024	Friday	calm/rippled	11					14	0955	56
03-Aug-2024	Saturday	calm/rippled	9	1				25	0959	53
04-Aug-2024	Sunday		0							
05-Aug-2024	Monday (B.C. Day)	calm/rippled	6							
06-Aug-2024	Tuesday	choppy	1							
07-Aug-2024	Wednesday	calm/rippled	1	1				0	0925	0
08-Aug-2024	Thursday		0							
09-Aug-2024	Friday		0							
10-Aug-2024	Saturday	choppy	14	3						
11-Aug-2024	Sunday	calm/rippled	1					8	0951	18
12-Aug-2024	Monday		0							
13-Aug-2024	Tuesday		0							
14-Aug-2024	Wednesday	calm/rippled	7							
15-Aug-2024	Thursday		0							
16-Aug-2024	Friday		0					9	0959	36
17-Aug-2024	Saturday		0							
18-Aug-2024	Sunday	choppy	2							
19-Aug-2024	Monday		0					3	0956	12
20-Aug-2024	Tuesday		0							
21-Aug-2024	Wednesday	choppy	1							
22-Aug-2024	Thursday		0							
23-Aug-2024	Friday		0							
24-Aug-2024	Saturday	choppy	4					7	0956	15
25-Aug-2024	Sunday		0					2	0922	5
26-Aug-2024	Monday		0							
27-Aug-2024	Tuesday		0							
28-Aug-2024	Wednesday		0					2	1000	8
29-Aug-2024	Thursday	calm/rippled	2							
30-Aug-2024	Friday	calm/rippled	3							
31-Aug-2024	Saturday		0					16	1002	33
01-Sep-2024	Sunday	choppy	2							
02-Sep-2024	Monday (Labour Day)		0					18	1000	39
03-Sep-2024	Tuesday		0							
	Totals	calm/rippled	26	1				6*		22*
	Totals	choppy	36	4				12*		25*

* 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	22	21	462	0.038				18			
Weekend	25	10	250	0.111				28			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2024	August	844	45	0		0
5-Yr Avg	August	619	95	5		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
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Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	62	0%

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

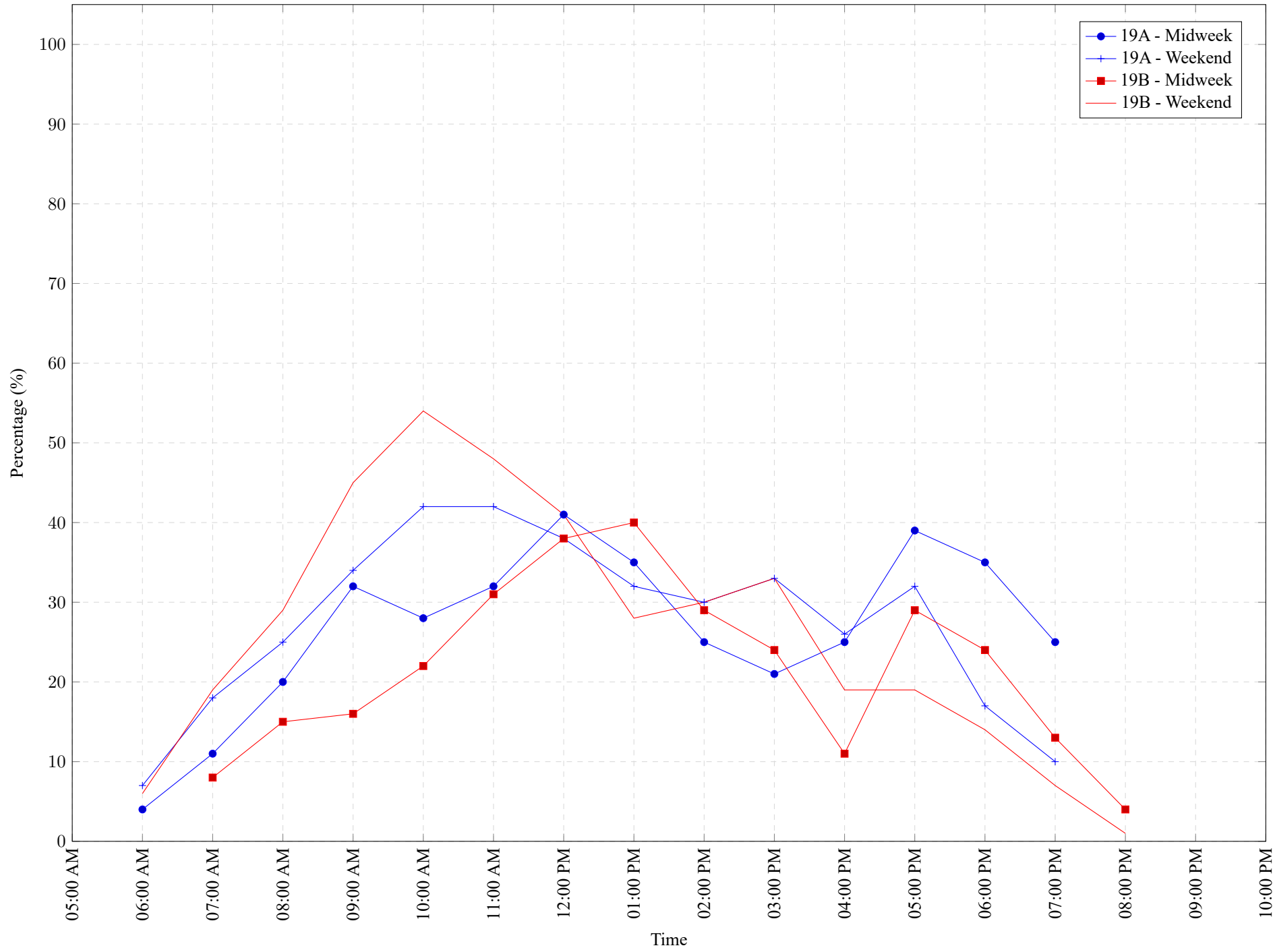


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00	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	4%	11%	20%	32%	28%	32%	41%	35%	25%	21%	25%	39%	35%	25%	0%	0%	0%
19A	Weekend	7%	18%	25%	34%	42%	42%	38%	32%	30%	33%	26%	32%	17%	10%	0%	0%	0%
19B	Midweek	0%	8%	15%	16%	22%	31%	38%	40%	29%	24%	11%	29%	24%	13%	4%	0%	0%
19B	Weekend	6%	19%	29%	45%	54%	48%	41%	28%	30%	33%	19%	19%	14%	7%	1%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Cattle Point	Cowichan Bay	Mill Bay	Sidney (Tulista Park Ramp)
29 Jul 2024	Midweek	calm/rippled			
30 Jul 2024	Midweek				
31 Jul 2024	Midweek				
01 Aug 2024	Midweek				
02 Aug 2024	Midweek			calm/rippled	calm/rippled
03 Aug 2024	Weekend				calm/rippled
04 Aug 2024	Weekend				
05 Aug 2024	Weekend				calm/rippled
06 Aug 2024	Midweek		choppy		
07 Aug 2024	Midweek			calm/rippled	
08 Aug 2024	Midweek				
09 Aug 2024	Midweek				
10 Aug 2024	Weekend			choppy	choppy
11 Aug 2024	Weekend	calm/rippled			
12 Aug 2024	Midweek				
13 Aug 2024	Midweek				
14 Aug 2024	Midweek			calm/rippled	
15 Aug 2024	Midweek				
16 Aug 2024	Midweek				
17 Aug 2024	Weekend				
18 Aug 2024	Weekend	choppy			
19 Aug 2024	Midweek				
20 Aug 2024	Midweek				
21 Aug 2024	Midweek				choppy
22 Aug 2024	Midweek				
23 Aug 2024	Midweek				
24 Aug 2024	Weekend			choppy	
25 Aug 2024	Weekend				
26 Aug 2024	Midweek				
27 Aug 2024	Midweek				
28 Aug 2024	Midweek				
29 Aug 2024	Midweek				calm/rippled
30 Aug 2024	Midweek			calm/rippled	
31 Aug 2024	Weekend				
01 Sep 2024	Weekend	choppy			
02 Sep 2024	Weekend				
03 Sep 2024	Midweek				