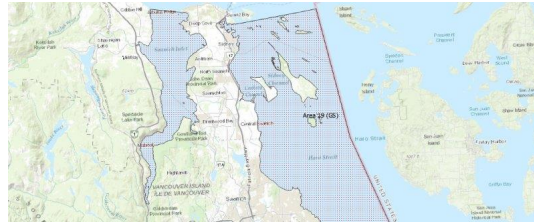


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (GS) July 2024



Prepared By:
South Coast Salmon Stock Assessment Section

Wednesday 11th September, 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 PM	Cowichan Bay PM	Mill Bay		Sidney (Tulista Park Ramp)	
				AM	PM	AM	PM
28 Jun 2024	Midweek						
29 Jun 2024	Weekend		1				
30 Jun 2024	Weekend				2		
01 Jul 2024	Weekend		1				
02 Jul 2024	Midweek						
03 Jul 2024	Midweek						
04 Jul 2024	Midweek						
05 Jul 2024	Midweek						
06 Jul 2024	Weekend				2	3	
07 Jul 2024	Weekend						
08 Jul 2024	Midweek						
09 Jul 2024	Midweek						
10 Jul 2024	Midweek						
11 Jul 2024	Midweek						
12 Jul 2024	Midweek			1			
13 Jul 2024	Weekend		1	5			
14 Jul 2024	Weekend				6		2
15 Jul 2024	Midweek				1		
16 Jul 2024	Midweek						
17 Jul 2024	Midweek						
18 Jul 2024	Midweek						
19 Jul 2024	Midweek						3
20 Jul 2024	Weekend						
21 Jul 2024	Weekend						
22 Jul 2024	Midweek						4
23 Jul 2024	Midweek						
24 Jul 2024	Midweek				2		
25 Jul 2024	Midweek						
26 Jul 2024	Midweek						
27 Jul 2024	Weekend	1					9
28 Jul 2024	Weekend						
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	

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-2024	Friday		0							
29-Jun-2024	Saturday	calm/rippled	1							
30-Jun-2024	Sunday	calm/rippled	2							
01-Jul-2024	Monday (Canada Day)	choppy	1					12	0953	24
02-Jul-2024	Tuesday		4							
03-Jul-2024	Wednesday		2							
04-Jul-2024	Thursday		7					5	0955	18
05-Jul-2024	Friday		0							
06-Jul-2024	Saturday		0					15	1006	31
07-Jul-2024	Sunday	calm/rippled	5							
08-Jul-2024	Monday		0							
09-Jul-2024	Tuesday		7							
10-Jul-2024	Wednesday		5							
11-Jul-2024	Thursday		9							
12-Jul-2024	Friday	calm/rippled	1					3	1000	10
13-Jul-2024	Saturday	calm/rippled	6							
14-Jul-2024	Sunday	choppy	8					19	1008	37
15-Jul-2024	Monday	choppy	1					2	1052	6
16-Jul-2024	Tuesday		4							
17-Jul-2024	Wednesday		6							
18-Jul-2024	Thursday		4					4	0954	14
19-Jul-2024	Friday	calm/rippled	3							
20-Jul-2024	Saturday		0					13	0947	26
21-Jul-2024	Sunday		0					7	0944	15
22-Jul-2024	Monday	calm/rippled	4							
23-Jul-2024	Tuesday		5					4	0957	14
24-Jul-2024	Wednesday	choppy	8							
25-Jul-2024	Thursday		6							
26-Jul-2024	Friday		0					13	0948	45
27-Jul-2024	Saturday	choppy	10	1				16	0944	33
28-Jul-2024	Sunday		0							
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	47
03-Aug-2024	Saturday	calm/rippled	9	1				25	0959	47
	Totals	calm/rippled	89					5*		18*
	Totals	choppy	30	1				14*		28*

* 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	18	22	396								
Weekend	28	9	252	0.033				8			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2024	July	649	20	10		0
5-Yr Avg	July	398	0	0	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
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Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	88	7%

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

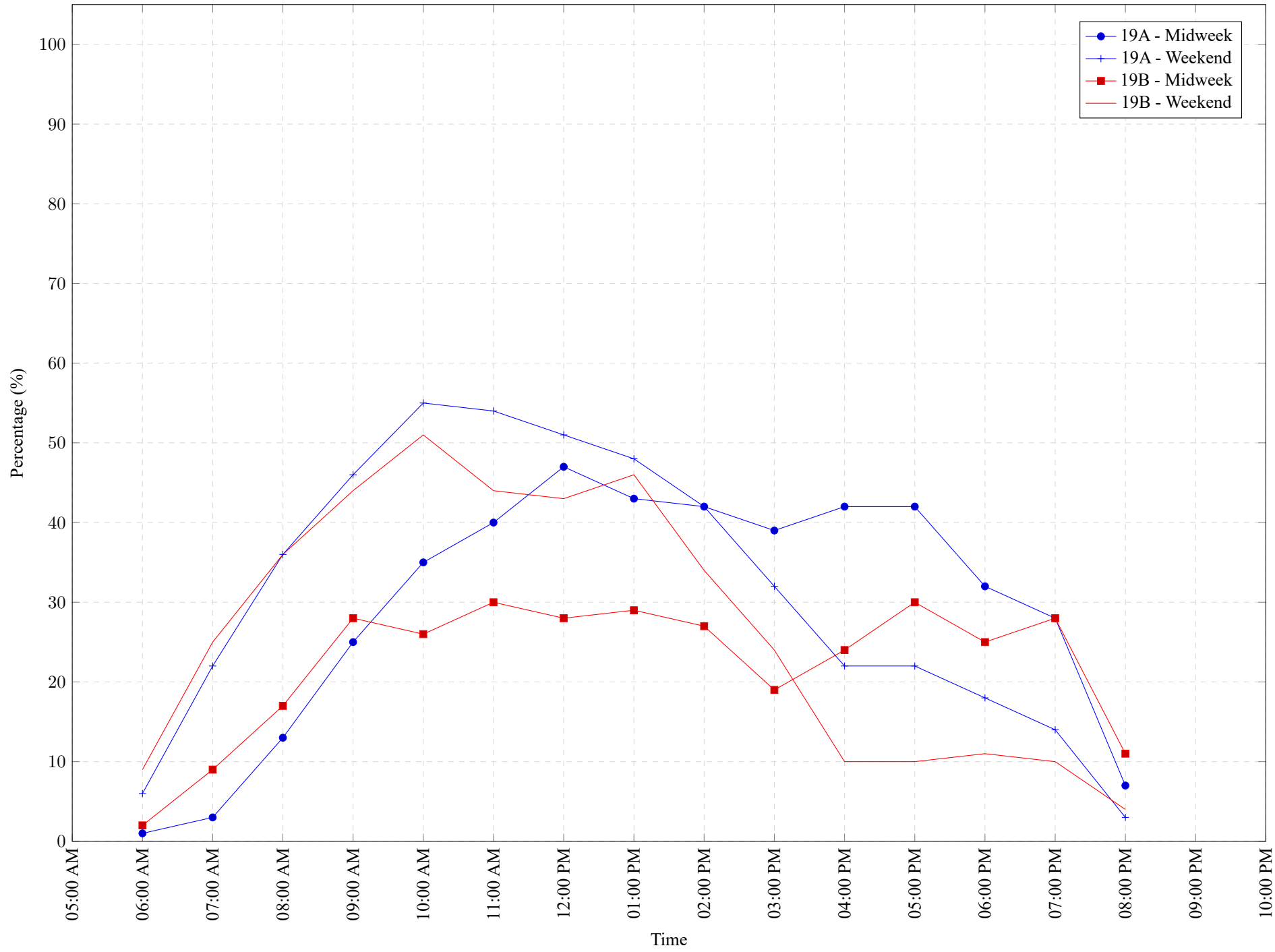


Table 7: Proportion of each day's fishing by hour.

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	1%	3%	13%	25%	35%	40%	47%	43%	42%	39%	42%	42%	32%	28%	7%	0%	0%
19A	Weekend	6%	22%	36%	46%	55%	54%	51%	48%	42%	32%	22%	22%	18%	14%	3%	0%	0%
19B	Midweek	2%	9%	17%	28%	26%	30%	28%	29%	27%	19%	24%	30%	25%	28%	11%	0%	0%
19B	Weekend	9%	25%	36%	44%	51%	44%	43%	46%	34%	24%	10%	10%	11%	10%	4%	0%	0%

Table 8: Daily Fishing Conditions.

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