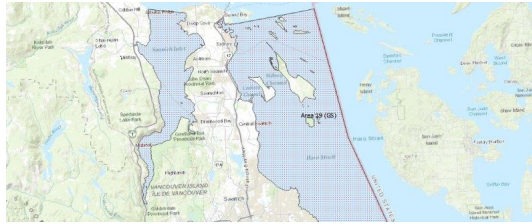


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (GS) May 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 8th 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 AM	Cowichan Bay PM	Mill Bay AM	PM	Sidney (Tulista Park Ramp) AM	PM
28 Apr 2023	Midweek						
29 Apr 2023	Weekend						
30 Apr 2023	Weekend						
01 May 2023	Midweek		5				9
02 May 2023	Midweek						
03 May 2023	Midweek						
04 May 2023	Midweek						
05 May 2023	Midweek						
06 May 2023	Weekend		2			2	
07 May 2023	Weekend						
08 May 2023	Midweek				5		
09 May 2023	Midweek						7
10 May 2023	Midweek						
11 May 2023	Midweek						
12 May 2023	Midweek	2					
13 May 2023	Weekend			4			
14 May 2023	Weekend						
15 May 2023	Midweek						
16 May 2023	Midweek					1	
17 May 2023	Midweek						
18 May 2023	Midweek					1	
19 May 2023	Midweek						
20 May 2023	Weekend						
21 May 2023	Weekend						
22 May 2023	Weekend						
23 May 2023	Midweek						
24 May 2023	Midweek						
25 May 2023	Midweek						
26 May 2023	Midweek						
27 May 2023	Weekend				2		
28 May 2023	Weekend		1				7
29 May 2023	Midweek				1		
30 May 2023	Midweek						
31 May 2023	Midweek		1				
01 Jun 2023	Midweek						
02 Jun 2023	Midweek						
03 Jun 2023	Weekend		2				6

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-Apr-2023	Friday		0							
29-Apr-2023	Saturday		0					17	0951	50
30-Apr-2023	Sunday		0							
01-May-2023	Monday	calm/rippled	14							
02-May-2023	Tuesday		0							
03-May-2023	Wednesday		0							
04-May-2023	Thursday		6							
05-May-2023	Friday		4					1	1005	2
06-May-2023	Saturday	choppy	4	1				4	1009	12
07-May-2023	Sunday		0							
08-May-2023	Monday	calm/rippled	6	1						
09-May-2023	Tuesday	calm/rippled	10							
10-May-2023	Wednesday		3							
11-May-2023	Thursday		2	2						
12-May-2023	Friday	calm/rippled	3	2						
13-May-2023	Saturday	calm/rippled	4					23	1014	69
14-May-2023	Sunday		1	1						
15-May-2023	Monday		1							
16-May-2023	Tuesday	choppy	5	1						
17-May-2023	Wednesday		1							
18-May-2023	Thursday	calm/rippled	6					4	0948	9
19-May-2023	Friday		0							
20-May-2023	Saturday		0					16	0959	48
21-May-2023	Sunday		2	2						
22-May-2023	Monday (Victoria Day)		0							
23-May-2023	Tuesday		0					3	1005	7
24-May-2023	Wednesday		1	4						
25-May-2023	Thursday		3				1			
26-May-2023	Friday		1	3						
27-May-2023	Saturday	choppy	2							
28-May-2023	Sunday	choppy	9							
29-May-2023	Monday	choppy	1							
30-May-2023	Tuesday		4							
31-May-2023	Wednesday	calm/rippled	3							
01-Jun-2023	Thursday		11							
02-Jun-2023	Friday		0							
03-Jun-2023	Saturday	calm/rippled	8					18	1007	53
	Totals	calm/rippled	74	13			1	3*		6*
	Totals	choppy	22	4				14*		43*

* 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	6	22	132	0.176			0.014	23			2
Weekend	43	9	387	0.182				70			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	May	936	341			
2019	May	378	0			0
2020	May	256				22
2021	May	747	0			0
2022	May	531	0			0
2023	May	420	45			1
5-Yr Avg	May	570	85			6

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	95	11%
iRec Anglers	359	2%

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

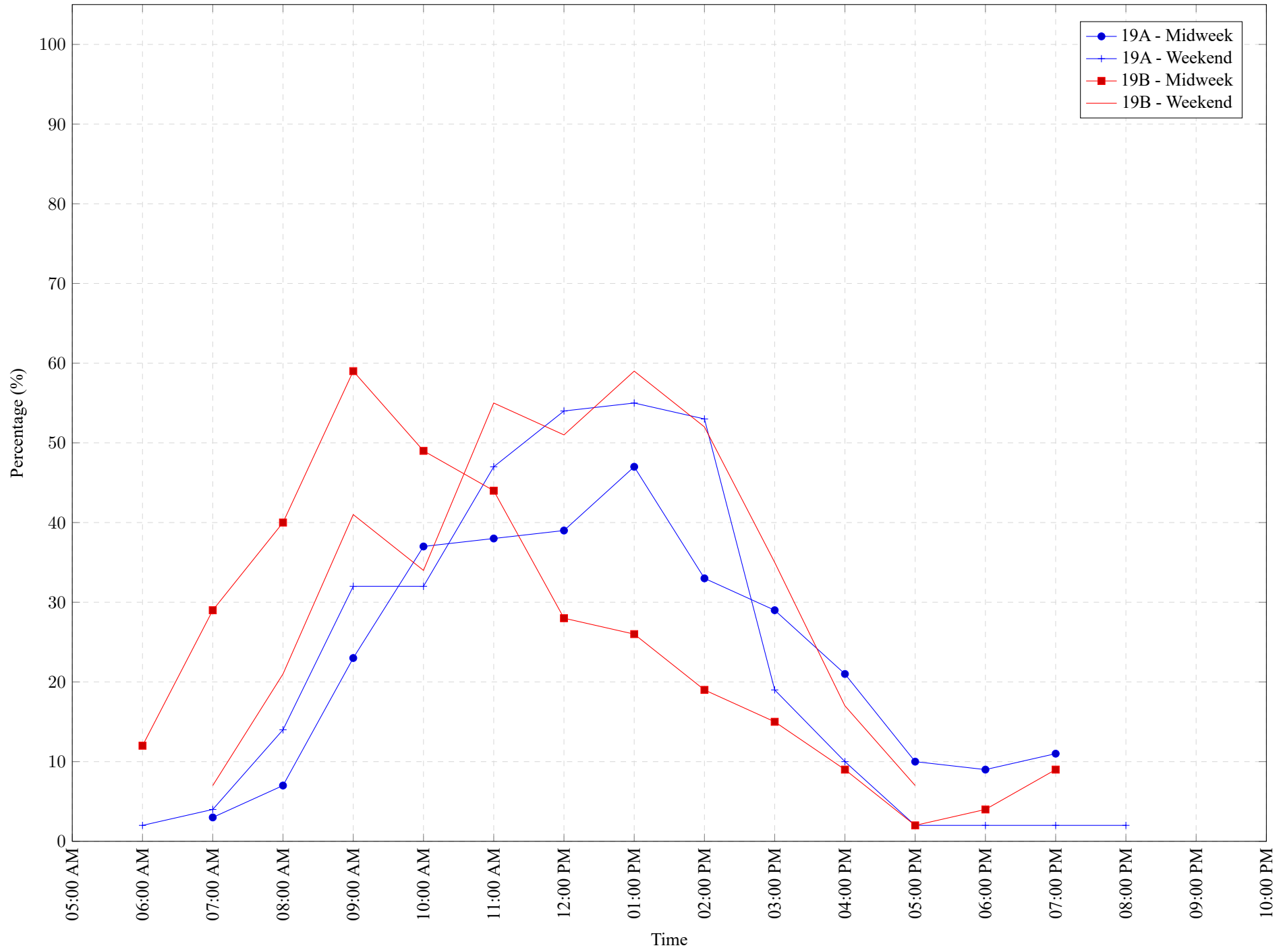


Table 7: Proportion of each day's fishing by hour.

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	0%	3%	7%	23%	37%	38%	39%	47%	33%	29%	21%	10%	9%	11%	0%	0%	0%
19A	Weekend	2%	4%	14%	32%	32%	47%	54%	55%	53%	19%	10%	2%	2%	2%	2%	0%	0%
19B	Midweek	12%	29%	40%	59%	49%	44%	28%	26%	19%	15%	9%	2%	4%	9%	0%	0%	0%
19B	Weekend	0%	7%	21%	41%	34%	55%	51%	59%	52%	35%	17%	7%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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