

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (GS) May 2024



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 20th July, 2024



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Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

Date	Day Type	Cowichan Bay	Mill Bay		Sidney (Tulista Park Ramp)	
		AM	AM	PM	AM	PM
28 Apr 2024	Weekend				3	
29 Apr 2024	Midweek				2	
30 Apr 2024	Midweek					
01 May 2024	Midweek	4	8			
02 May 2024	Midweek					
03 May 2024	Midweek				8	
04 May 2024	Weekend		11			
05 May 2024	Weekend					
06 May 2024	Midweek					
07 May 2024	Midweek					
08 May 2024	Midweek				4	
09 May 2024	Midweek					
10 May 2024	Midweek					
11 May 2024	Weekend					
12 May 2024	Weekend					12
13 May 2024	Midweek					
14 May 2024	Midweek					
15 May 2024	Midweek					
16 May 2024	Midweek					
17 May 2024	Midweek					
18 May 2024	Weekend					
19 May 2024	Weekend			3		
20 May 2024	Weekend					
21 May 2024	Midweek					1
22 May 2024	Midweek					
23 May 2024	Midweek					
24 May 2024	Midweek			1		
25 May 2024	Weekend				8	
26 May 2024	Weekend					4
27 May 2024	Midweek					
28 May 2024	Midweek					
29 May 2024	Midweek					4
30 May 2024	Midweek					
31 May 2024	Midweek			3		
01 Jun 2024	Weekend					
02 Jun 2024	Weekend			1	4	
03 Jun 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
28-Apr-2024	Sunday	choppy	3							
29-Apr-2024	Monday	choppy	2							
30-Apr-2024	Tuesday		8							
01-May-2024	Wednesday	calm/rippled	21					15	1002	20
02-May-2024	Thursday		3							
03-May-2024	Friday	calm/rippled	8							
04-May-2024	Saturday		0							
05-May-2024	Sunday	choppy	11							
06-May-2024	Monday		0							
07-May-2024	Tuesday		9							
08-May-2024	Wednesday	calm/rippled	12							
09-May-2024	Thursday		5							
10-May-2024	Friday		0					13	1008	18
11-May-2024	Saturday		0					18	1012	34
12-May-2024	Sunday	choppy	12	1				5	1000	10
13-May-2024	Monday		0							
14-May-2024	Tuesday		7							
15-May-2024	Wednesday		6							
16-May-2024	Thursday		3							
17-May-2024	Friday		0					16	1003	20
18-May-2024	Saturday		0							
19-May-2024	Sunday	choppy	3	1						
20-May-2024	Monday (Victoria Day)		0					21	1021	40
21-May-2024	Tuesday	choppy	5							
22-May-2024	Wednesday		4							
23-May-2024	Thursday		7							
24-May-2024	Friday	frequent whitecaps	1							
25-May-2024	Saturday	choppy	8	1				15	0948	29
26-May-2024	Sunday	calm/rippled	4	2						
27-May-2024	Monday		0							
28-May-2024	Tuesday		7							
29-May-2024	Wednesday	calm/rippled	9							
30-May-2024	Thursday		3					17	1000	22
31-May-2024	Friday	calm/rippled	3							
01-Jun-2024	Saturday		0					19	1100	36
02-Jun-2024	Sunday	No Data	5							
03-Jun-2024	Monday		0							
	Totals	calm/rippled	113					15*		20*
	Totals	choppy	38	5				15*		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	20	22	440								
Weekend	28	9	252	0.132				33			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2019	May	378	0			0
2020	May	256				22
2021	May	747	0			0
2022	May	531	0			0
2023	May	420	45			1
2024	May	744	61	0		0
5-Yr Avg	May	466	11			5

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	89	3%
iRec Anglers	418	7%

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

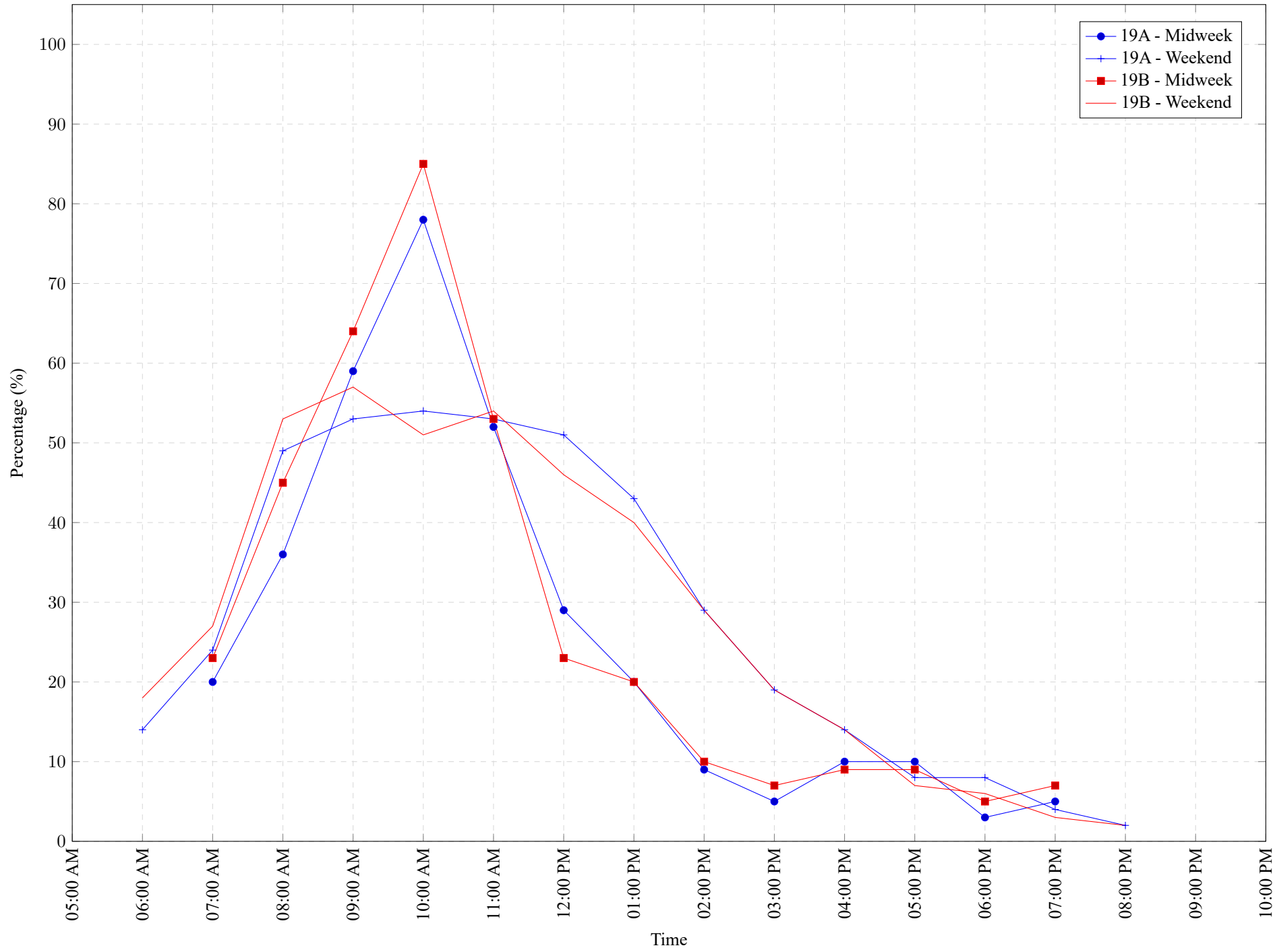


Table 7: Proportion of each day's fishing by hour.

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	0%	20%	36%	59%	78%	52%	29%	20%	9%	5%	10%	10%	3%	5%	0%	0%	0%
19A	Weekend	14%	24%	49%	53%	54%	53%	51%	43%	29%	19%	14%	8%	8%	4%	2%	0%	0%
19B	Midweek	0%	23%	45%	64%	85%	53%	23%	20%	10%	7%	9%	9%	5%	7%	0%	0%	0%
19B	Weekend	18%	27%	53%	57%	51%	54%	46%	40%	29%	19%	14%	7%	6%	3%	2%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Cowichan Bay	Mill Bay	Sidney (Tulista Park Ramp)
28 Apr 2024	Weekend			choppy
29 Apr 2024	Midweek			choppy
30 Apr 2024	Midweek			
01 May 2024	Midweek	choppy	calm/rippled	
02 May 2024	Midweek			
03 May 2024	Midweek			calm/rippled
04 May 2024	Weekend			
05 May 2024	Weekend		choppy	
06 May 2024	Midweek			
07 May 2024	Midweek			
08 May 2024	Midweek			calm/rippled
09 May 2024	Midweek			
10 May 2024	Midweek			
11 May 2024	Weekend			
12 May 2024	Weekend			choppy
13 May 2024	Midweek			
14 May 2024	Midweek			
15 May 2024	Midweek			
16 May 2024	Midweek			
17 May 2024	Midweek			
18 May 2024	Weekend			
19 May 2024	Weekend		choppy	
20 May 2024	Weekend			
21 May 2024	Midweek			choppy
22 May 2024	Midweek			
23 May 2024	Midweek			
24 May 2024	Midweek		frequent whitecaps	
25 May 2024	Weekend			choppy
26 May 2024	Weekend			calm/rippled
27 May 2024	Midweek			
28 May 2024	Midweek			
29 May 2024	Midweek			calm/rippled
30 May 2024	Midweek			
31 May 2024	Midweek		calm/rippled	
01 Jun 2024	Weekend			
02 Jun 2024	Weekend		choppy	No Data
03 Jun 2024	Midweek			