

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (GS) May 2022



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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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	Crofton Ramp	Flemming	Mill Bay		Sidney	
		AM	PM	PM	PM	PM	AM	PM	AM	PM
28 Apr 2022	Midweek			3						
29 Apr 2022	Midweek									
30 Apr 2022	Weekend									
01 May 2022	Weekend								12	
02 May 2022	Midweek									
03 May 2022	Midweek							6		
04 May 2022	Midweek									
05 May 2022	Midweek									
06 May 2022	Midweek	1								
07 May 2022	Weekend									1
08 May 2022	Weekend									
09 May 2022	Midweek									
10 May 2022	Midweek									
11 May 2022	Midweek									4
12 May 2022	Midweek									
13 May 2022	Midweek						2			
14 May 2022	Weekend								2	
15 May 2022	Weekend									
16 May 2022	Midweek									1
17 May 2022	Midweek									
18 May 2022	Midweek									
19 May 2022	Midweek									
20 May 2022	Midweek						2			
21 May 2022	Weekend						3			
22 May 2022	Weekend				1					11
23 May 2022	Weekend								11	
24 May 2022	Midweek									
25 May 2022	Midweek								4	
26 May 2022	Midweek		1							
27 May 2022	Midweek							2		
28 May 2022	Weekend	1								
29 May 2022	Weekend						3			
30 May 2022	Midweek									
31 May 2022	Midweek									
01 Jun 2022	Midweek			1						
02 Jun 2022	Midweek					1				
03 Jun 2022	Midweek						3			

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-2022	Thursday	choppy	3							
29-Apr-2022	Friday		0							
30-Apr-2022	Saturday		0							
01-May-2022	Sunday	choppy	12							
02-May-2022	Monday		0					5	1116	16
03-May-2022	Tuesday	calm/rippled	6							
04-May-2022	Wednesday		0							
05-May-2022	Thursday		0							
06-May-2022	Friday	calm/rippled	1							
07-May-2022	Saturday	choppy	1							
08-May-2022	Sunday		0					15	1026	37
09-May-2022	Monday		0							
10-May-2022	Tuesday		0							
11-May-2022	Wednesday	calm/rippled	4							
12-May-2022	Thursday		0							
13-May-2022	Friday	choppy	3							
14-May-2022	Saturday	choppy	2					7	1030	20
15-May-2022	Sunday		0							
16-May-2022	Monday	choppy	1					2	1015	7
17-May-2022	Tuesday		0							
18-May-2022	Wednesday		0							
19-May-2022	Thursday		0							
20-May-2022	Friday	calm/rippled	2					2	1025	8
21-May-2022	Saturday	calm/rippled	3							
22-May-2022	Sunday	choppy	12					14	1033	38
23-May-2022	Monday (Victoria Day)	calm/rippled	11							
24-May-2022	Tuesday		0							
25-May-2022	Wednesday	choppy	4							
26-May-2022	Thursday	calm/rippled	1					3	1024	11
27-May-2022	Friday	choppy	2							
28-May-2022	Saturday	calm/rippled	1							
29-May-2022	Sunday	choppy	3							
30-May-2022	Monday		0							
31-May-2022	Tuesday		0							
01-Jun-2022	Wednesday	calm/rippled	1					4	0939	14
02-Jun-2022	Thursday		0							
03-Jun-2022	Friday	choppy	4							
	Totals	calm/rippled	24					3*		11*
	Totals	choppy	45					12*		32*

* 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	11	21	231								
Weekend	32	10	320								

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	May	575	268			
2018	May	936	341			
2019	May	378	0			0
2020	May	256				22
2021	May	747	0			0
2022	May	531	0			0
5-Yr Avg	May	578	152			7

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	69	1%
iRec Anglers	111	0%

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

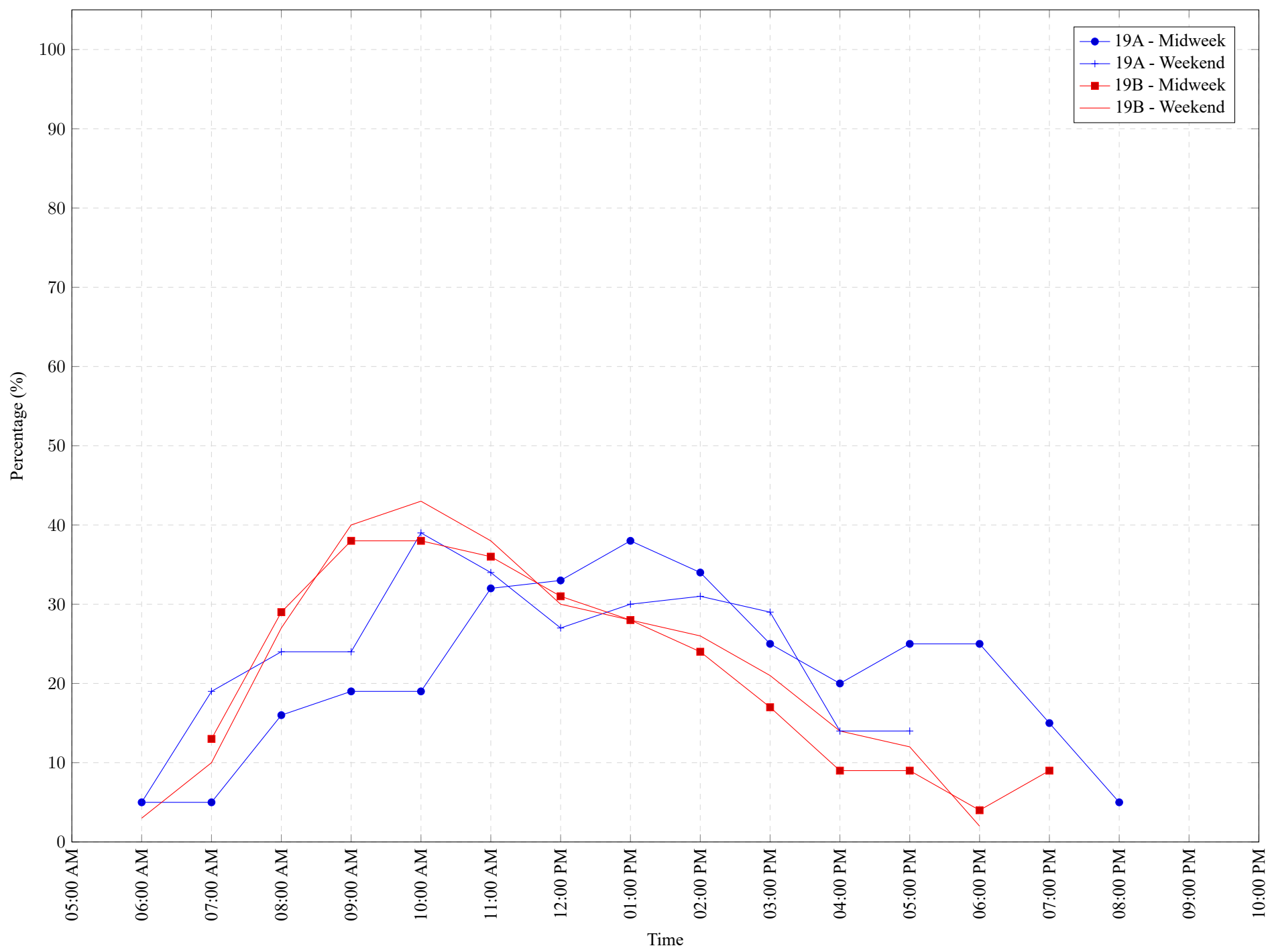


Table 7: Proportion of each day's fishing by hour.

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	5%	5%	16%	19%	19%	32%	33%	38%	34%	25%	20%	25%	25%	15%	5%	0%	0%
19A	Weekend	5%	19%	24%	24%	39%	34%	27%	30%	31%	29%	14%	14%	0%	0%	0%	0%	0%
19B	Midweek	0%	13%	29%	38%	38%	36%	31%	28%	24%	17%	9%	9%	4%	9%	0%	0%	0%
19B	Weekend	3%	10%	27%	40%	43%	38%	30%	28%	26%	21%	14%	12%	2%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Cattle Point	Cowichan Bay	Crofton Ramp	Flemming	Mill Bay	Sidney
28 Apr 2022	Midweek		choppy				
29 Apr 2022	Midweek						
30 Apr 2022	Weekend						
01 May 2022	Weekend						choppy
02 May 2022	Midweek						
03 May 2022	Midweek					calm/rippled	
04 May 2022	Midweek						
05 May 2022	Midweek						
06 May 2022	Midweek	calm/rippled					
07 May 2022	Weekend						choppy
08 May 2022	Weekend						
09 May 2022	Midweek						
10 May 2022	Midweek						
11 May 2022	Midweek						calm/rippled
12 May 2022	Midweek						
13 May 2022	Midweek					choppy	
14 May 2022	Weekend						choppy
15 May 2022	Weekend						
16 May 2022	Midweek						choppy
17 May 2022	Midweek						
18 May 2022	Midweek						
19 May 2022	Midweek						
20 May 2022	Midweek					calm/rippled	
21 May 2022	Weekend					calm/rippled	
22 May 2022	Weekend			choppy			choppy
23 May 2022	Weekend						calm/rippled
24 May 2022	Midweek						
25 May 2022	Midweek						choppy
26 May 2022	Midweek	calm/rippled					
27 May 2022	Midweek					choppy	
28 May 2022	Weekend	calm/rippled					
29 May 2022	Weekend					choppy	
30 May 2022	Midweek						
31 May 2022	Midweek						
01 Jun 2022	Midweek		calm/rippled				
02 Jun 2022	Midweek						
03 Jun 2022	Midweek				choppy	choppy	