

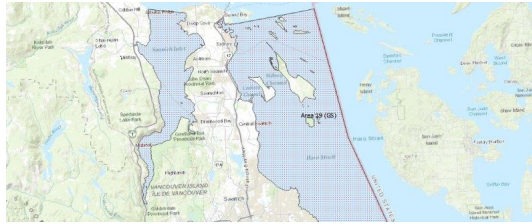
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 19 (GS) April 2021



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Thursday 3<sup>rd</sup> February, 2022



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

Date	Day Type	Cattle Point	Cowichan Bay		Lady-smith	Mill Bay		Sidney	
		PM	AM	PM	PM	AM	PM	AM	PM
29 Mar 2021	Midweek								
30 Mar 2021	Midweek								
31 Mar 2021	Midweek								
01 Apr 2021	Midweek								
02 Apr 2021	Weekend								
03 Apr 2021	Weekend								3
04 Apr 2021	Weekend		9				8		
05 Apr 2021	Midweek			3					
06 Apr 2021	Midweek								
07 Apr 2021	Midweek					12			
08 Apr 2021	Midweek	1							
09 Apr 2021	Midweek								
10 Apr 2021	Weekend								7
11 Apr 2021	Weekend							7	
12 Apr 2021	Midweek								
13 Apr 2021	Midweek								
14 Apr 2021	Midweek								
15 Apr 2021	Midweek							1	
16 Apr 2021	Midweek								
17 Apr 2021	Weekend								
18 Apr 2021	Weekend		2						
19 Apr 2021	Midweek	1						3	
20 Apr 2021	Midweek								12
21 Apr 2021	Midweek				1				
22 Apr 2021	Midweek						13		
23 Apr 2021	Midweek								
24 Apr 2021	Weekend					4			
25 Apr 2021	Weekend	1							
26 Apr 2021	Midweek		2						8
27 Apr 2021	Midweek								
28 Apr 2021	Midweek								
29 Apr 2021	Midweek								
30 Apr 2021	Midweek		2						
01 May 2021	Weekend								
02 May 2021	Weekend								16
03 May 2021	Midweek					6	4		

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-Mar-2021	Monday		1							
30-Mar-2021	Tuesday		0					8	1130	13
31-Mar-2021	Wednesday		1	1						
01-Apr-2021	Thursday		0							
02-Apr-2021	Friday (Good Friday)		0					5	1029	17
03-Apr-2021	Saturday	choppy	3							
04-Apr-2021	Sunday	calm/rippled	17							
05-Apr-2021	Monday	frequent whitecaps	3							
06-Apr-2021	Tuesday		0					4	1029	7
07-Apr-2021	Wednesday	calm/rippled	12							
08-Apr-2021	Thursday	frequent whitecaps	1							
09-Apr-2021	Friday		0							
10-Apr-2021	Saturday	choppy	7					6	1101	21
11-Apr-2021	Sunday	calm/rippled	7							
12-Apr-2021	Monday		0							
13-Apr-2021	Tuesday		0							
14-Apr-2021	Wednesday		0							
15-Apr-2021	Thursday	calm/rippled	1							
16-Apr-2021	Friday		1							
17-Apr-2021	Saturday		0					9	1031	16
18-Apr-2021	Sunday	calm/rippled	2							
19-Apr-2021	Monday	calm/rippled	4					0	1026	0
20-Apr-2021	Tuesday	calm/rippled	12				3			
21-Apr-2021	Wednesday	choppy	1							
22-Apr-2021	Thursday	calm/rippled	13							
23-Apr-2021	Friday		0							
24-Apr-2021	Saturday	calm/rippled	4							
25-Apr-2021	Sunday	calm/rippled	1							
26-Apr-2021	Monday	calm/rippled	10					2	1028	4
27-Apr-2021	Tuesday		0							
28-Apr-2021	Wednesday		0							
29-Apr-2021	Thursday		0							
30-Apr-2021	Friday	choppy	2							
01-May-2021	Saturday		0					7	1027	24
02-May-2021	Sunday	choppy	18							
03-May-2021	Monday	calm/rippled	10							
	Totals	choppy	60				3	2*		4*
	Totals	calm/rippled	41					7*		18*

\* 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
Weekend	18	9	162								
Midweek	4	21	84				0.05				4

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	April	702	232			
2017	April	560	75			
2018	April	373	21			
2019	April	263	3			0
2021	April	187	0			18
5-Yr Avg	April	475	83			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	100	0%
iRec Anglers	52	0%

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

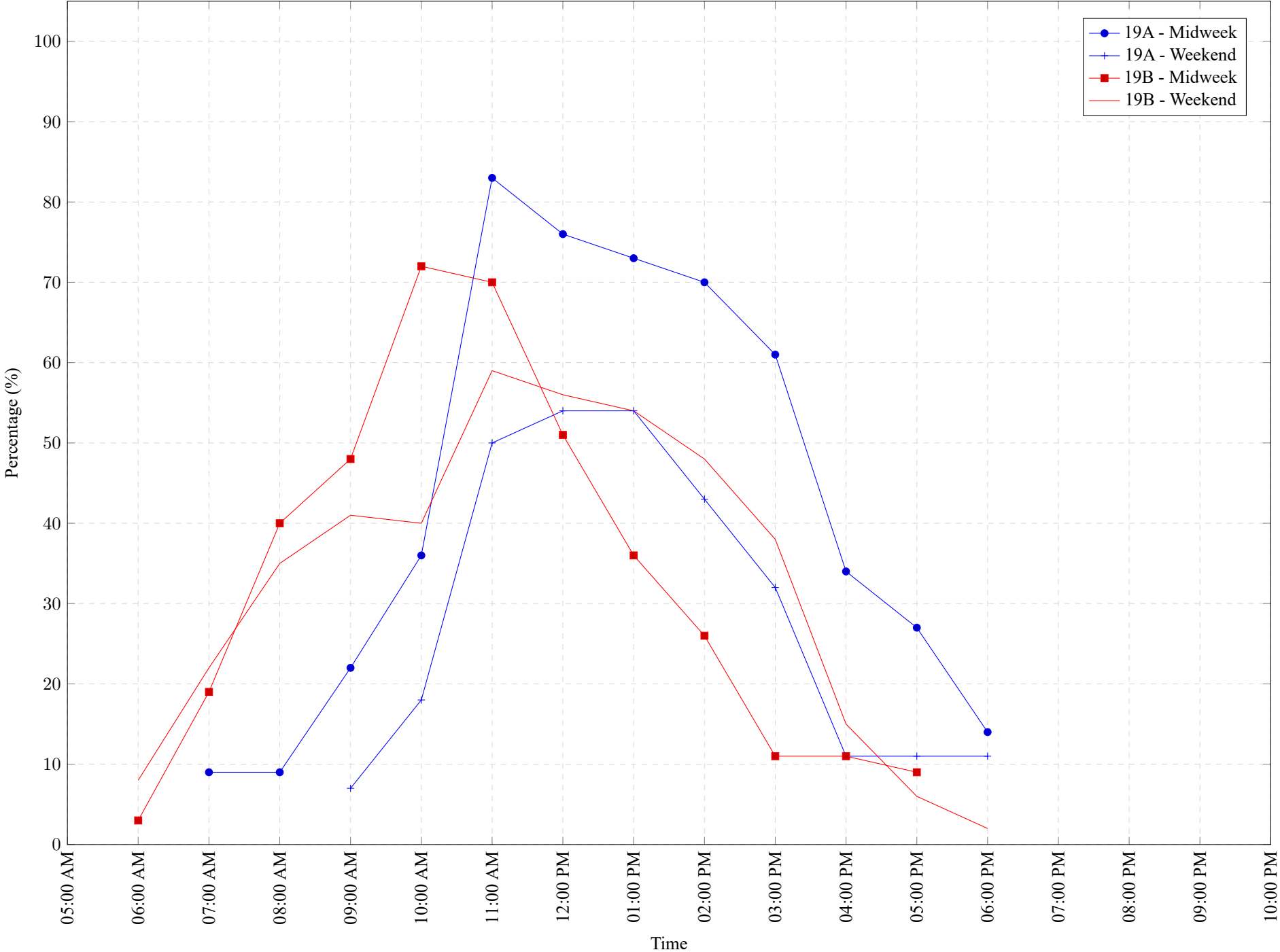


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	01:00 PM	02:00 PM	03:00 PM	04:00 PM	05:00 PM	06:00 PM	07:00 PM	08:00 PM	09:00 PM	10:00 PM
19A	Midweek	0%	9%	9%	22%	36%	83%	76%	73%	70%	61%	34%	27%	14%	0%	0%	0%	0%
19A	Weekend	0%	0%	0%	7%	18%	50%	54%	54%	43%	32%	11%	11%	11%	0%	0%	0%	0%
19B	Midweek	3%	19%	40%	48%	72%	70%	51%	36%	26%	11%	11%	9%	0%	0%	0%	0%	0%
19B	Weekend	8%	22%	35%	41%	40%	59%	56%	54%	48%	38%	15%	6%	2%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	Cattle Point	Cowichan Bay	Ladysmith	Mill Bay	Sidney
29 Mar 2021	Midweek					
30 Mar 2021	Midweek					
31 Mar 2021	Midweek					
01 Apr 2021	Midweek					
02 Apr 2021	Weekend					
03 Apr 2021	Weekend					choppy
04 Apr 2021	Weekend		calm/rippled		calm/rippled	
05 Apr 2021	Midweek		frequent whitecaps			
06 Apr 2021	Midweek					
07 Apr 2021	Midweek				calm/rippled	
08 Apr 2021	Midweek	frequent whitecaps				
09 Apr 2021	Midweek					
10 Apr 2021	Weekend					choppy
11 Apr 2021	Weekend					calm/rippled
12 Apr 2021	Midweek					
13 Apr 2021	Midweek					
14 Apr 2021	Midweek					
15 Apr 2021	Midweek					calm/rippled
16 Apr 2021	Midweek					
17 Apr 2021	Weekend					
18 Apr 2021	Weekend		calm/rippled			
19 Apr 2021	Midweek	calm/rippled				calm/rippled
20 Apr 2021	Midweek					calm/rippled
21 Apr 2021	Midweek			choppy		
22 Apr 2021	Midweek				calm/rippled	
23 Apr 2021	Midweek					
24 Apr 2021	Weekend				calm/rippled	
25 Apr 2021	Weekend	calm/rippled				
26 Apr 2021	Midweek		calm/rippled			calm/rippled
27 Apr 2021	Midweek					
28 Apr 2021	Midweek					
29 Apr 2021	Midweek					
30 Apr 2021	Midweek		choppy			
01 May 2021	Weekend					
02 May 2021	Weekend					choppy
03 May 2021	Midweek				calm/rippled	