

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 19 (GS) September 2021



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Friday 11<sup>th</sup> February, 2022



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		Mill Bay		Sidney	
		AM	PM	AM	PM	AM	PM
29 Aug 2021	Weekend	2					
30 Aug 2021	Midweek				2		
31 Aug 2021	Midweek						
01 Sep 2021	Midweek		1				
02 Sep 2021	Midweek						
03 Sep 2021	Midweek						
04 Sep 2021	Weekend						
05 Sep 2021	Weekend						14
06 Sep 2021	Weekend						
07 Sep 2021	Midweek			2			
08 Sep 2021	Midweek						
09 Sep 2021	Midweek						
10 Sep 2021	Midweek						
11 Sep 2021	Weekend	1					
12 Sep 2021	Weekend				1	11	
13 Sep 2021	Midweek						
14 Sep 2021	Midweek						
15 Sep 2021	Midweek						
16 Sep 2021	Midweek						
17 Sep 2021	Midweek						
18 Sep 2021	Weekend						
19 Sep 2021	Weekend			2			
20 Sep 2021	Midweek						
21 Sep 2021	Midweek						
22 Sep 2021	Midweek						
23 Sep 2021	Midweek						
24 Sep 2021	Midweek						
25 Sep 2021	Weekend						15
26 Sep 2021	Weekend						
27 Sep 2021	Midweek					1	
28 Sep 2021	Midweek						
29 Sep 2021	Midweek						
30 Sep 2021	Midweek						1
01 Oct 2021	Midweek						
02 Oct 2021	Weekend						
03 Oct 2021	Weekend						

*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-Aug-2021	Sunday	calm/rippled	2							
30-Aug-2021	Monday	frequent whitecaps	2					3	0852	9
31-Aug-2021	Tuesday		0							
01-Sep-2021	Wednesday	choppy	1							
02-Sep-2021	Thursday		0							
03-Sep-2021	Friday		0							
04-Sep-2021	Saturday		0					10	0945	19
05-Sep-2021	Sunday	calm/rippled	14							
06-Sep-2021	Monday (Labour Day)		0					15	0946	29
07-Sep-2021	Tuesday	calm/rippled	2							
08-Sep-2021	Wednesday		0					4	1010	8
09-Sep-2021	Thursday		0							
10-Sep-2021	Friday		0							
11-Sep-2021	Saturday	calm/rippled	1							
12-Sep-2021	Sunday	choppy	12					18	0946	35
13-Sep-2021	Monday		0							
14-Sep-2021	Tuesday		0							
15-Sep-2021	Wednesday		0					4	1001	8
16-Sep-2021	Thursday		0					3	0947	5
17-Sep-2021	Friday		0							
18-Sep-2021	Saturday		0					3	0941	6
19-Sep-2021	Sunday	frequent whitecaps	2							
20-Sep-2021	Monday		0							
21-Sep-2021	Tuesday		0							
22-Sep-2021	Wednesday		0					1	0957	2
23-Sep-2021	Thursday		0							
24-Sep-2021	Friday		0							
25-Sep-2021	Saturday	choppy	15					5	0919	10
26-Sep-2021	Sunday		0							
27-Sep-2021	Monday	choppy	1					0	0936	0
28-Sep-2021	Tuesday		0							
29-Sep-2021	Wednesday		0							
30-Sep-2021	Thursday	choppy	1							
01-Oct-2021	Friday		0							
02-Oct-2021	Saturday		0							
03-Oct-2021	Sunday		0					5	0922	13
	Totals	choppy	5					2*		5*
	Totals	choppy	44					10*		20*

\* 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	20	9	180								
Midweek	5	21	105								

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	September	280				
2017	September	422	23			
2018	September	367	35			
2019	September	446	15	5		0
2020	September	601	37	0		0
2021	September	262	5			0
5-Yr Avg	September	423	28	3		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	49	0%
iRec Anglers	92	8%

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

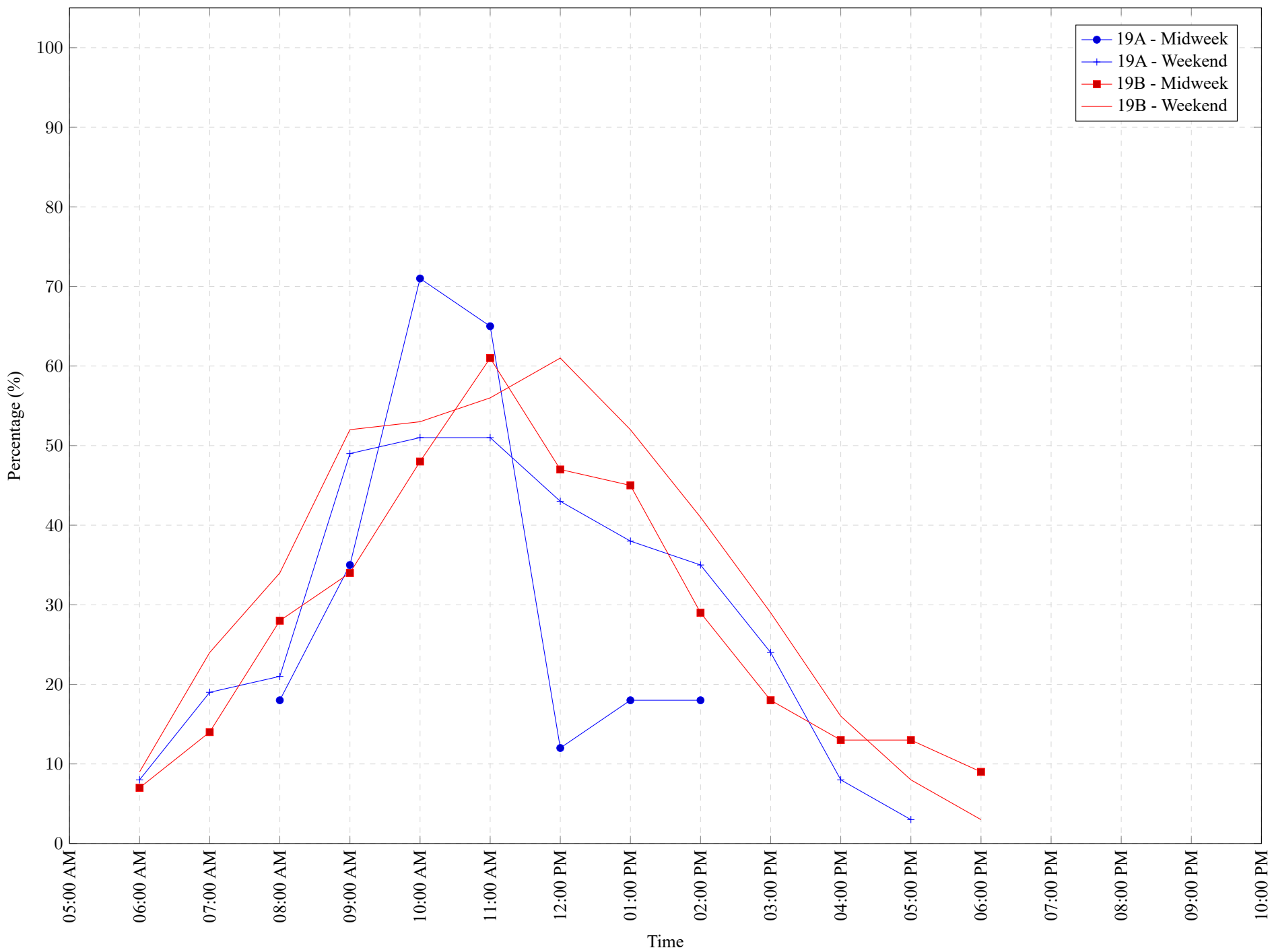


Table 7: Proportion of each day's fishing by hour.

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%	0%	18%	35%	71%	65%	12%	18%	18%	0%	0%	0%	0%	0%	0%	0%	0%
19A	Weekend	8%	19%	21%	49%	51%	51%	43%	38%	35%	24%	8%	3%	0%	0%	0%	0%	0%
19B	Midweek	7%	14%	28%	34%	48%	61%	47%	45%	29%	18%	13%	13%	9%	0%	0%	0%	0%
19B	Weekend	9%	24%	34%	52%	53%	56%	61%	52%	41%	29%	16%	8%	3%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

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