

FISHERIES AND OCEANS CANADA

# SOUTH COAST ASSESSMENT BULLETIN

## CREEL SURVEY DATA REVIEW PACKAGE

# Area 18 May 2021



*Prepared By:*

## South Coast Salmon Stock Assessment Section

Saturday 5<sup>th</sup> February, 2022



Fisheries and Oceans  
Canada

Pêches et Océans  
Canada

**your  
catch  
counts**

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

Date	Day Type	Cowichan Bay		Crofton Ramp		Mill Bay		Sidney	
		AM	PM	AM	PM	AM	PM	AM	PM
28 Apr 2021	Midweek								
29 Apr 2021	Midweek								
30 Apr 2021	Midweek								
01 May 2021	Weekend								
02 May 2021	Weekend								3
03 May 2021	Midweek								
04 May 2021	Midweek	8							
05 May 2021	Midweek								
06 May 2021	Midweek								
07 May 2021	Midweek								
08 May 2021	Weekend								
09 May 2021	Weekend				1	1			4
10 May 2021	Midweek			1					1
11 May 2021	Midweek		3						
12 May 2021	Midweek								
13 May 2021	Midweek								
14 May 2021	Midweek					1			
15 May 2021	Weekend	2				2	1		
16 May 2021	Weekend		13						
17 May 2021	Midweek								
18 May 2021	Midweek								
19 May 2021	Midweek							1	
20 May 2021	Midweek								
21 May 2021	Midweek					2			
22 May 2021	Weekend				2				
23 May 2021	Weekend						2		
24 May 2021	Weekend								
25 May 2021	Midweek	1							
26 May 2021	Midweek								
27 May 2021	Midweek								
28 May 2021	Midweek							1	
29 May 2021	Weekend								
30 May 2021	Weekend							3	
31 May 2021	Midweek								
01 Jun 2021	Midweek								
02 Jun 2021	Midweek	5							
03 Jun 2021	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-2021	Wednesday		0							
29-Apr-2021	Thursday		0							
30-Apr-2021	Friday		0							
01-May-2021	Saturday		0					22	1118	49
02-May-2021	Sunday	choppy	4							
03-May-2021	Monday		0							
04-May-2021	Tuesday	calm/rippled	8							
05-May-2021	Wednesday		0					8	1128	19
06-May-2021	Thursday		0							
07-May-2021	Friday		0							
08-May-2021	Saturday		0							
09-May-2021	Sunday	calm/rippled	6					19	1131	42
10-May-2021	Monday	calm/rippled	2							
11-May-2021	Tuesday	choppy	3							
12-May-2021	Wednesday		0							
13-May-2021	Thursday		0					3	1100	10
14-May-2021	Friday	calm/rippled	1							
15-May-2021	Saturday	calm/rippled	5							
16-May-2021	Sunday	choppy	13					21	1104	52
17-May-2021	Monday		0							
18-May-2021	Tuesday		0							
19-May-2021	Wednesday	calm/rippled	1							
20-May-2021	Thursday		0							
21-May-2021	Friday	calm/rippled	2					18	1123	44
22-May-2021	Saturday	calm/rippled	2							
23-May-2021	Sunday	choppy	2							
24-May-2021	Monday		0							
	(Victoria Day)									
25-May-2021	Tuesday	choppy	1							
26-May-2021	Wednesday		0							
27-May-2021	Thursday		0							
28-May-2021	Friday	calm/rippled	1							
29-May-2021	Saturday		0							
30-May-2021	Sunday	calm/rippled	3							
31-May-2021	Monday		0							
01-Jun-2021	Tuesday		1					8	1149	19
02-Jun-2021	Wednesday	choppy	5							
03-Jun-2021	Thursday		0							
	Totals	calm/rippled	19					10*		24*
	Totals	calm/rippled	35					21*		48*

\* 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	24	20	480								
Weekend	48	11	528								

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	May	1026	71			
2017	May	996	283			
2018	May	1722	668	22		
2019	May	811	0			1
2020	May	831				
2021	May	997	0	0		0
5-Yr Avg	May	1077	256	22		1

**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	53	0%
iRec Anglers	971	17%

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

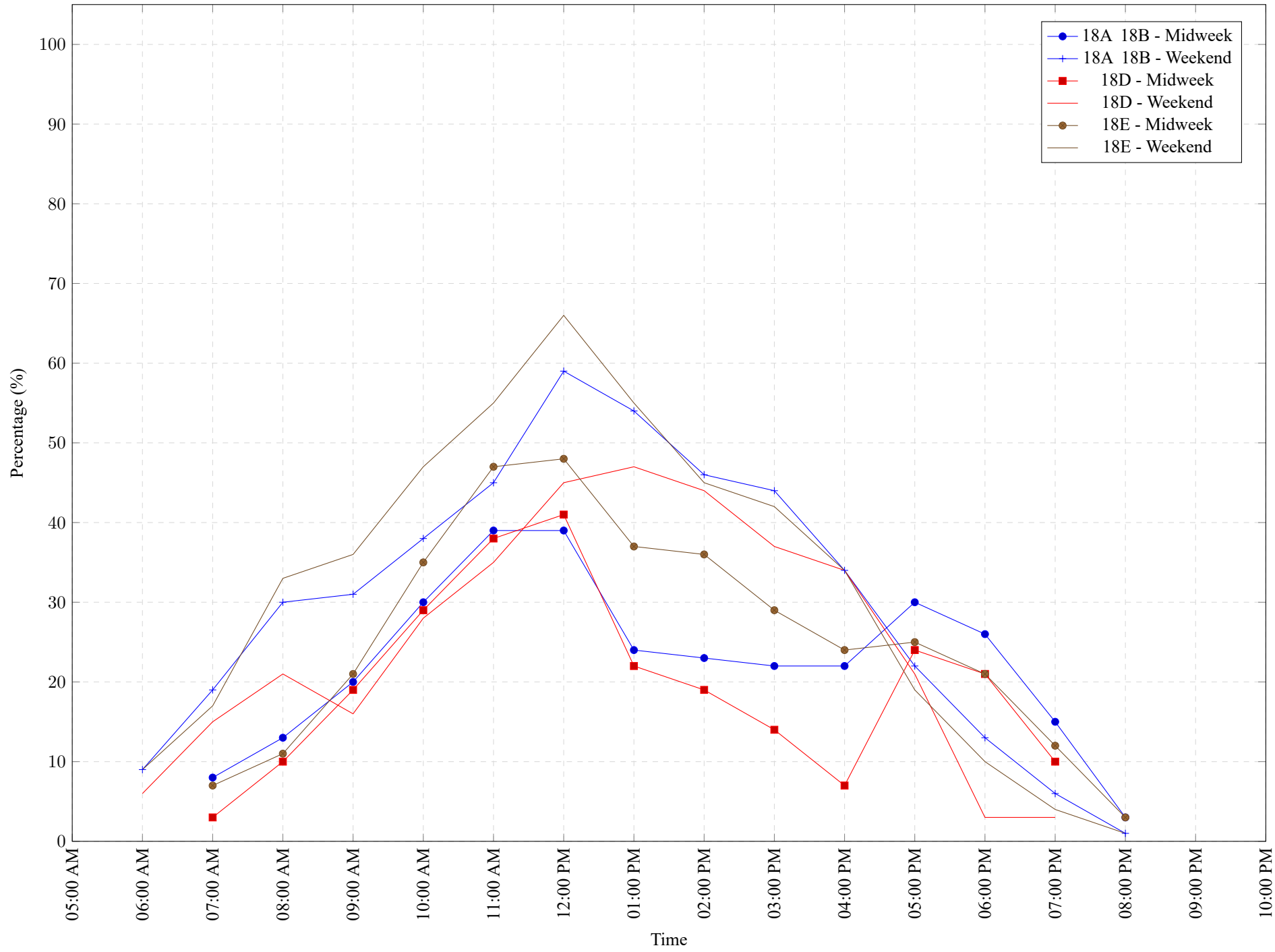


Table 7: Proportion of each day's fishing by hour.

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
18A 18B	Midweek	0%	8%	13%	20%	30%	39%	39%	24%	23%	22%	22%	30%	26%	15%	3%	0%	0%
18A 18B	Weekend	9%	19%	30%	31%	38%	45%	59%	54%	46%	44%	34%	22%	13%	6%	1%	0%	0%
18D	Midweek	0%	3%	10%	19%	29%	38%	41%	22%	19%	14%	7%	24%	21%	10%	0%	0%	0%
18D	Weekend	6%	15%	21%	16%	28%	35%	45%	47%	44%	37%	34%	21%	3%	3%	0%	0%	0%
18E	Midweek	0%	7%	11%	21%	35%	47%	48%	37%	36%	29%	24%	25%	21%	12%	3%	0%	0%
18E	Weekend	9%	17%	33%	36%	47%	55%	66%	55%	45%	42%	34%	19%	10%	4%	1%	0%	0%

**Table 8: Daily Fishing Conditions.**

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