

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 18 June 2022



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*Prepared By:*

South Coast Salmon Stock Assessment Section

Thursday 19<sup>th</sup> January, 2023



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		Planetarium	Sidney		Squamish Boat Launch
		AM	PM	PM	AM	PM	PM	AM	PM	PM
29 May 2022	Weekend									
30 May 2022	Midweek									
31 May 2022	Midweek									
01 Jun 2022	Midweek		6							
02 Jun 2022	Midweek									
03 Jun 2022	Midweek									
04 Jun 2022	Weekend				1			5		
05 Jun 2022	Weekend									
06 Jun 2022	Midweek									
07 Jun 2022	Midweek									
08 Jun 2022	Midweek	2								
09 Jun 2022	Midweek									
10 Jun 2022	Midweek									
11 Jun 2022	Weekend						1			
12 Jun 2022	Weekend	2								
13 Jun 2022	Midweek									
14 Jun 2022	Midweek									
15 Jun 2022	Midweek									
16 Jun 2022	Midweek		3							
17 Jun 2022	Midweek									
18 Jun 2022	Weekend							2		
19 Jun 2022	Weekend		2							
20 Jun 2022	Midweek									
21 Jun 2022	Midweek		1							
22 Jun 2022	Midweek									
23 Jun 2022	Midweek	2								
24 Jun 2022	Midweek									
25 Jun 2022	Weekend		12		1					
26 Jun 2022	Weekend							2		1
27 Jun 2022	Midweek									
28 Jun 2022	Midweek									
29 Jun 2022	Midweek	2								
30 Jun 2022	Midweek									
01 Jul 2022	Weekend			1					2	
02 Jul 2022	Weekend	2								
03 Jul 2022	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-May-2022	Sunday		0							
30-May-2022	Monday		0							
31-May-2022	Tuesday		0							
01-Jun-2022	Wednesday	calm/rippled	6					8	1041	18
02-Jun-2022	Thursday		0							
03-Jun-2022	Friday		0							
04-Jun-2022	Saturday	calm/rippled	6							
05-Jun-2022	Sunday	choppy	1					7	1006	29
06-Jun-2022	Monday		0							
07-Jun-2022	Tuesday		0							
08-Jun-2022	Wednesday	calm/rippled	2							
09-Jun-2022	Thursday		0							
10-Jun-2022	Friday		0					3	1120	8
11-Jun-2022	Saturday		1					17	1026	59
12-Jun-2022	Sunday	choppy	3							
13-Jun-2022	Monday		0							
14-Jun-2022	Tuesday		0							
15-Jun-2022	Wednesday		0							
16-Jun-2022	Thursday	calm/rippled	3							
17-Jun-2022	Friday		0					5	1040	12
18-Jun-2022	Saturday	choppy	2							
19-Jun-2022	Sunday	choppy	2					20	1057	66
20-Jun-2022	Monday		0							
21-Jun-2022	Tuesday	choppy	1							
22-Jun-2022	Wednesday		0							
23-Jun-2022	Thursday	choppy	2							
24-Jun-2022	Friday		0					4	1038	9
25-Jun-2022	Saturday	calm/rippled	13					12	1052	38
26-Jun-2022	Sunday	calm/rippled	3							
27-Jun-2022	Monday		0							
28-Jun-2022	Tuesday		0							
29-Jun-2022	Wednesday	calm/rippled	2							
30-Jun-2022	Thursday		0							
01-Jul-2022	Friday (Canada Day)	choppy	3							
02-Jul-2022	Saturday	calm/rippled	2					15	1045	52
03-Jul-2022	Sunday		1							
	Totals	calm/rippled	16					5*		12*
	Totals	choppy	31					14*		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	12	22	264									
Weekend	48	8	384									

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	June	1512	185			
2018	June	1226	31			
2019	June	243	0			0
2020	June	1187		19		
2021	June	1015	0			0
2022	June	593	0	11		0
5-Yr Avg	June	1037	54	19		0

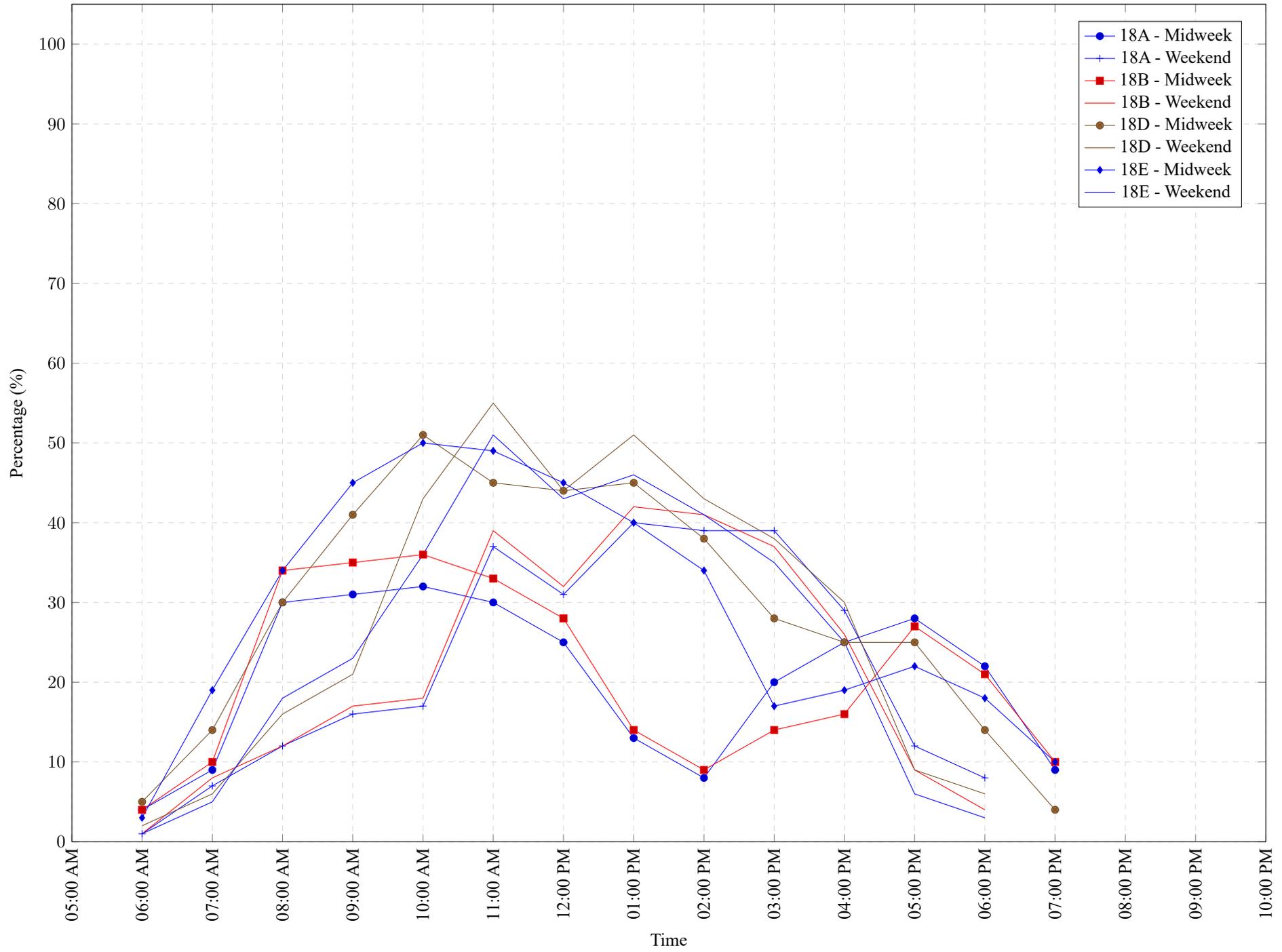
**Table 5: Sport Head Recovery Review.**

Species	Creel Marked Catch	Creel Mark Rate	Creel Submission Rate	iRec Marked Catch	iRec Mark Rate	iRec Submission Rate	Sport Head Recoveries

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	47	0%
iRec Anglers	1185	21%

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										
18A	Midweek	4%	9%	30%	31%	32%	30%	25%	13%	8%	20%	25%	28%	22%	9%	0%	0%	0%
18A	Weekend	1%	7%	12%	16%	17%	37%	31%	40%	39%	39%	29%	12%	8%	0%	0%	0%	0%
18B	Midweek	4%	10%	34%	35%	36%	33%	28%	14%	9%	14%	16%	27%	21%	10%	0%	0%	0%
18B	Weekend	1%	8%	12%	17%	18%	39%	32%	42%	41%	37%	26%	9%	4%	0%	0%	0%	0%
18D	Midweek	5%	14%	30%	41%	51%	45%	44%	45%	38%	28%	25%	25%	14%	4%	0%	0%	0%
18D	Weekend	2%	6%	16%	21%	43%	55%	44%	51%	43%	38%	30%	9%	6%	0%	0%	0%	0%
18E	Midweek	3%	19%	34%	45%	50%	49%	45%	40%	34%	17%	19%	22%	18%	10%	0%	0%	0%
18E	Weekend	1%	5%	18%	23%	36%	51%	43%	46%	41%	35%	25%	6%	3%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

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