

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (GS) April 2022



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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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		Flemming		Mill Bay		Sidney		
		AM	AM	PM	AM	PM	AM	PM	AM	MD	PM
29 Mar 2022	Midweek										
30 Mar 2022	Midweek										
31 Mar 2022	Midweek									7	
01 Apr 2022	Midweek	2			1						
02 Apr 2022	Weekend						12				
03 Apr 2022	Weekend										
04 Apr 2022	Midweek										
05 Apr 2022	Midweek										
06 Apr 2022	Midweek										
07 Apr 2022	Midweek										
08 Apr 2022	Midweek										
09 Apr 2022	Weekend							8			2
10 Apr 2022	Weekend					1					
11 Apr 2022	Midweek										
12 Apr 2022	Midweek										
13 Apr 2022	Midweek							9			
14 Apr 2022	Midweek			1							
15 Apr 2022	Weekend										
16 Apr 2022	Weekend			3					2		
17 Apr 2022	Weekend										4
18 Apr 2022	Midweek										
19 Apr 2022	Midweek										
20 Apr 2022	Midweek										
21 Apr 2022	Midweek						8	4			
22 Apr 2022	Midweek								3		
23 Apr 2022	Weekend		3						6		
24 Apr 2022	Weekend	2									
25 Apr 2022	Midweek										
26 Apr 2022	Midweek										
27 Apr 2022	Midweek										2
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			

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-2022	Tuesday		0					8	1112	14
30-Mar-2022	Wednesday		0							
31-Mar-2022	Thursday	choppy	9							
01-Apr-2022	Friday	calm/rippled	3							
02-Apr-2022	Saturday	choppy	12					2	1037	3
03-Apr-2022	Sunday		0							
04-Apr-2022	Monday		0							
05-Apr-2022	Tuesday		0					0	1029	0
06-Apr-2022	Wednesday		0							
07-Apr-2022	Thursday		0							
08-Apr-2022	Friday		0							
09-Apr-2022	Saturday	choppy	10					1	1023	1
10-Apr-2022	Sunday	choppy	1							
11-Apr-2022	Monday		0							
12-Apr-2022	Tuesday		0							
13-Apr-2022	Wednesday	choppy	9							
14-Apr-2022	Thursday	choppy	1							
15-Apr-2022	Friday (Good Friday)		0					7	1032	9
16-Apr-2022	Saturday	choppy	5							
17-Apr-2022	Sunday	calm/rippled	4							
18-Apr-2022	Monday		0							
19-Apr-2022	Tuesday		0							
20-Apr-2022	Wednesday		0							
21-Apr-2022	Thursday	calm/rippled	12							
22-Apr-2022	Friday	calm/rippled	3							
23-Apr-2022	Saturday	choppy	9							
24-Apr-2022	Sunday	calm/rippled	2							
25-Apr-2022	Monday		0					2	1026	3
26-Apr-2022	Tuesday		2							
27-Apr-2022	Wednesday	calm/rippled	2					1	1023	2
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	8
03-May-2022	Tuesday	calm/rippled	6							
	Totals	calm/rippled	35					1*		2*
	Totals	choppy	43					3*		4*

* 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	4	10	40								
Midweek	2	20	40								

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	April	560	75			
2018	April	373	21			
2019	April	263	3			0
2021	April	187	0			18
2022	April	77	0			0
5-Yr Avg	April	346	25			9

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	78	3%
iRec Anglers	47	44%

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

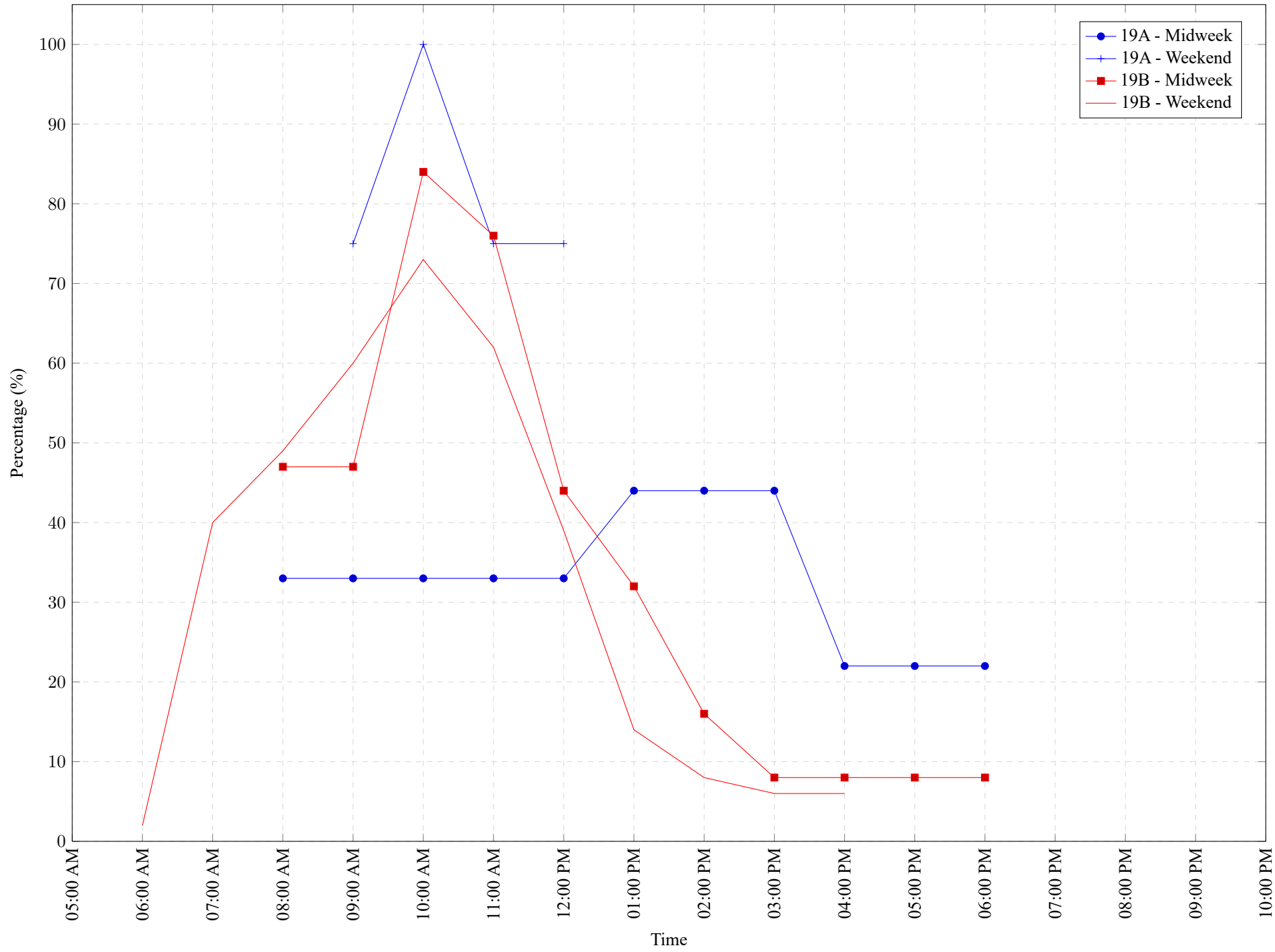


Table 7: Proportion of each day's fishing by hour.

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%	33%	33%	33%	33%	33%	44%	44%	44%	22%	22%	22%	0%	0%	0%	0%
19A	Weekend	0%	0%	0%	75%	100%	75%	75%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
19B	Midweek	0%	0%	47%	47%	84%	76%	44%	32%	16%	8%	8%	8%	8%	0%	0%	0%	0%
19B	Weekend	2%	40%	49%	60%	73%	62%	39%	14%	8%	6%	6%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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