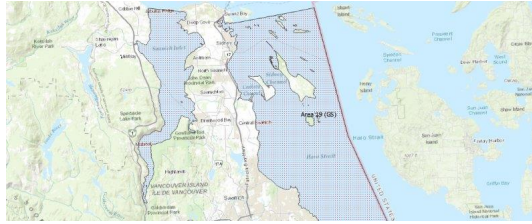


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (GS) March 2022



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

Date	Day Type	Cattle Point AM	Flem- ming AM	Mill Bay		Sidney
		AM	AM	AM	MD	MD
26 Feb 2022	Weekend					
27 Feb 2022	Weekend					
28 Feb 2022	Midweek					
01 Mar 2022	Midweek					
02 Mar 2022	Midweek					1
03 Mar 2022	Midweek					
04 Mar 2022	Midweek				1	
05 Mar 2022	Weekend					
06 Mar 2022	Weekend				6	10
07 Mar 2022	Midweek					
08 Mar 2022	Midweek					
09 Mar 2022	Midweek					
10 Mar 2022	Midweek					
11 Mar 2022	Midweek					
12 Mar 2022	Weekend			11		
13 Mar 2022	Weekend					
14 Mar 2022	Midweek					
15 Mar 2022	Midweek					
16 Mar 2022	Midweek					
17 Mar 2022	Midweek					
18 Mar 2022	Midweek					
19 Mar 2022	Weekend					4
20 Mar 2022	Weekend					
21 Mar 2022	Midweek					
22 Mar 2022	Midweek					
23 Mar 2022	Midweek	2				
24 Mar 2022	Midweek					3
25 Mar 2022	Midweek				1	
26 Mar 2022	Weekend					
27 Mar 2022	Weekend					
28 Mar 2022	Midweek					
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					

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
26-Feb-2022	Saturday		0							
27-Feb-2022	Sunday		0							
28-Feb-2022	Monday		0							
01-Mar-2022	Tuesday		0							
02-Mar-2022	Wednesday	calm/rippled	1							
03-Mar-2022	Thursday		1	1				4	1124	8
04-Mar-2022	Friday	choppy	2	1						
05-Mar-2022	Saturday		2							
06-Mar-2022	Sunday	calm/rippled	16	1				13	1126	20
07-Mar-2022	Monday		0							
08-Mar-2022	Tuesday		0							
09-Mar-2022	Wednesday		0							
10-Mar-2022	Thursday		1	1						
11-Mar-2022	Friday		1	1						
12-Mar-2022	Saturday	choppy	12	10						
13-Mar-2022	Sunday		1							
14-Mar-2022	Monday		0							
15-Mar-2022	Tuesday		0					3	1130	6
16-Mar-2022	Wednesday		0							
17-Mar-2022	Thursday		0							
18-Mar-2022	Friday		2	1						
19-Mar-2022	Saturday	frequent whitecaps	4					6	1123	9
20-Mar-2022	Sunday		1					3	1130	5
21-Mar-2022	Monday		0							
22-Mar-2022	Tuesday		0							
23-Mar-2022	Wednesday	calm/rippled	2					2	1124	4
24-Mar-2022	Thursday	calm/rippled	3							
25-Mar-2022	Friday	calm/rippled	1	1						
26-Mar-2022	Saturday		0					36	1133	64
27-Mar-2022	Sunday		0							
28-Mar-2022	Monday		0							
29-Mar-2022	Tuesday		0					8	1112	16
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							
	Totals	calm/rippled	23	6				4*		9*
	Totals	choppy	36	11				15*		25*

* 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	9	23	207	0.261				54			
Weekend	25	8	200	0.306				61			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	March	190	25			7
2018	March	415	69			
2021	March	488	102			48
2022	March	384	50			0
5-Yr Avg	March	364	65			28

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
Chinook	37	74%	5%	4	6%	50%	2

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	59	5%
iRec Anglers	92	9%

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

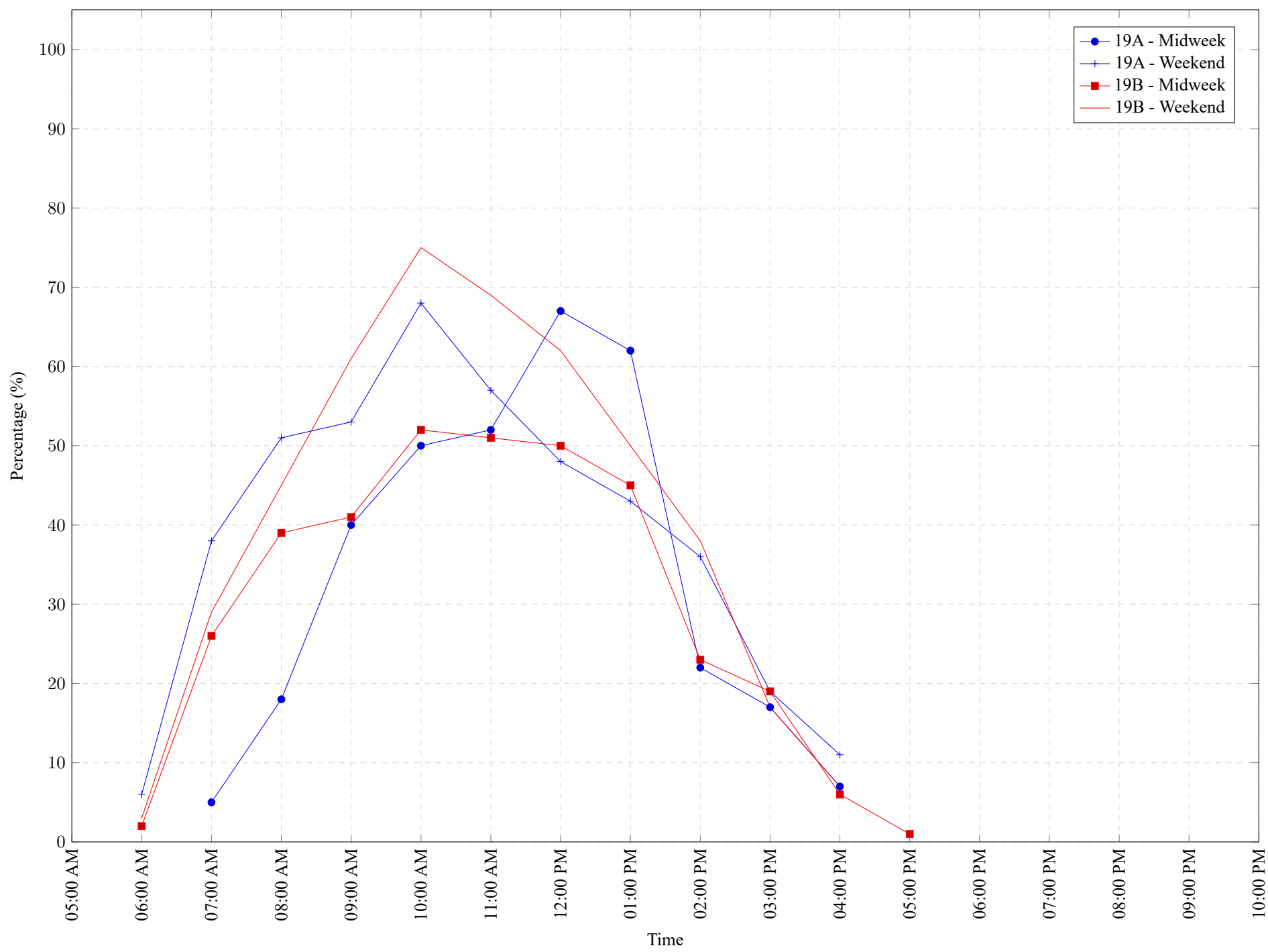


Table 7: Proportion of each day's fishing by hour.

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%	5%	18%	40%	50%	52%	67%	62%	22%	17%	7%	0%	0%	0%	0%	0%	0%
19A	Weekend	6%	38%	51%	53%	68%	57%	48%	43%	36%	19%	11%	0%	0%	0%	0%	0%	0%
19B	Midweek	2%	26%	39%	41%	52%	51%	50%	45%	23%	19%	6%	1%	0%	0%	0%	0%	0%
19B	Weekend	3%	29%	45%	61%	75%	69%	62%	50%	38%	17%	7%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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