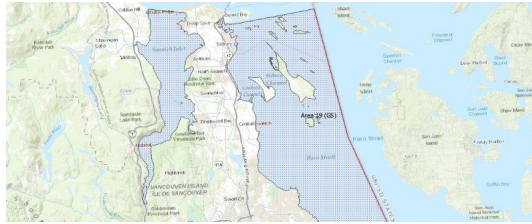


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (GS) May 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 5th 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	Cowichan Bay		Mill Bay		Sidney	
		AM	AM	PM	AM	PM	AM	PM
28 Apr 2021	Midweek							
29 Apr 2021	Midweek							
30 Apr 2021	Midweek		2					
01 May 2021	Weekend							
02 May 2021	Weekend							16
03 May 2021	Midweek				6	4		
04 May 2021	Midweek							
05 May 2021	Midweek							
06 May 2021	Midweek							
07 May 2021	Midweek							
08 May 2021	Weekend							
09 May 2021	Weekend	1			11			14
10 May 2021	Midweek							8
11 May 2021	Midweek			2			7	
12 May 2021	Midweek							
13 May 2021	Midweek							4
14 May 2021	Midweek				4			
15 May 2021	Weekend				4	3		
16 May 2021	Weekend			1			7	
17 May 2021	Midweek							
18 May 2021	Midweek							
19 May 2021	Midweek							
20 May 2021	Midweek							
21 May 2021	Midweek	2			1			
22 May 2021	Weekend	2						
23 May 2021	Weekend					2		
24 May 2021	Weekend							
25 May 2021	Midweek							
26 May 2021	Midweek							
27 May 2021	Midweek							
28 May 2021	Midweek							
29 May 2021	Weekend							
30 May 2021	Weekend						11	
31 May 2021	Midweek							7
01 Jun 2021	Midweek							
02 Jun 2021	Midweek							
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	choppy	2							
01-May-2021	Saturday		0					7	1027	16
02-May-2021	Sunday	choppy	18							
03-May-2021	Monday	calm/rippled	10							
04-May-2021	Tuesday		0							
05-May-2021	Wednesday		0					9	1034	20
06-May-2021	Thursday		0							
07-May-2021	Friday		1							
08-May-2021	Saturday		1							
09-May-2021	Sunday	calm/rippled	26					23	1030	53
10-May-2021	Monday	choppy	8							
11-May-2021	Tuesday	calm/rippled	9							
12-May-2021	Wednesday		0							
13-May-2021	Thursday	calm/rippled	4					2	1021	5
14-May-2021	Friday	calm/rippled	4							
15-May-2021	Saturday	calm/rippled	8							
16-May-2021	Sunday	calm/rippled	8					13	1015	32
17-May-2021	Monday		0							
18-May-2021	Tuesday		0							
19-May-2021	Wednesday		0							
20-May-2021	Thursday		1							
21-May-2021	Friday	calm/rippled	3					17	1028	46
22-May-2021	Saturday	calm/rippled	2							
23-May-2021	Sunday	choppy	2							
24-May-2021	Monday		0							
	(Victoria Day)									
25-May-2021	Tuesday		0							
26-May-2021	Wednesday		0							
27-May-2021	Thursday		0							
28-May-2021	Friday		0							
29-May-2021	Saturday		0							
30-May-2021	Sunday	calm/rippled	11							
31-May-2021	Monday	calm/rippled	7							
01-Jun-2021	Tuesday		1					5	1040	12
02-Jun-2021	Wednesday		0							
03-Jun-2021	Thursday		1							
	Totals	calm/rippled	47					9*		24*
	Totals	calm/rippled	76					14*		34*

* 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	34	11	374								

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	May	547	37			
2017	May	575	268			
2018	May	936	341			
2019	May	378	0			0
2020	May	256				22
2021	May	747	0			0
5-Yr Avg	May	538	162			11

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	117	0%
iRec Anglers	128	6%

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

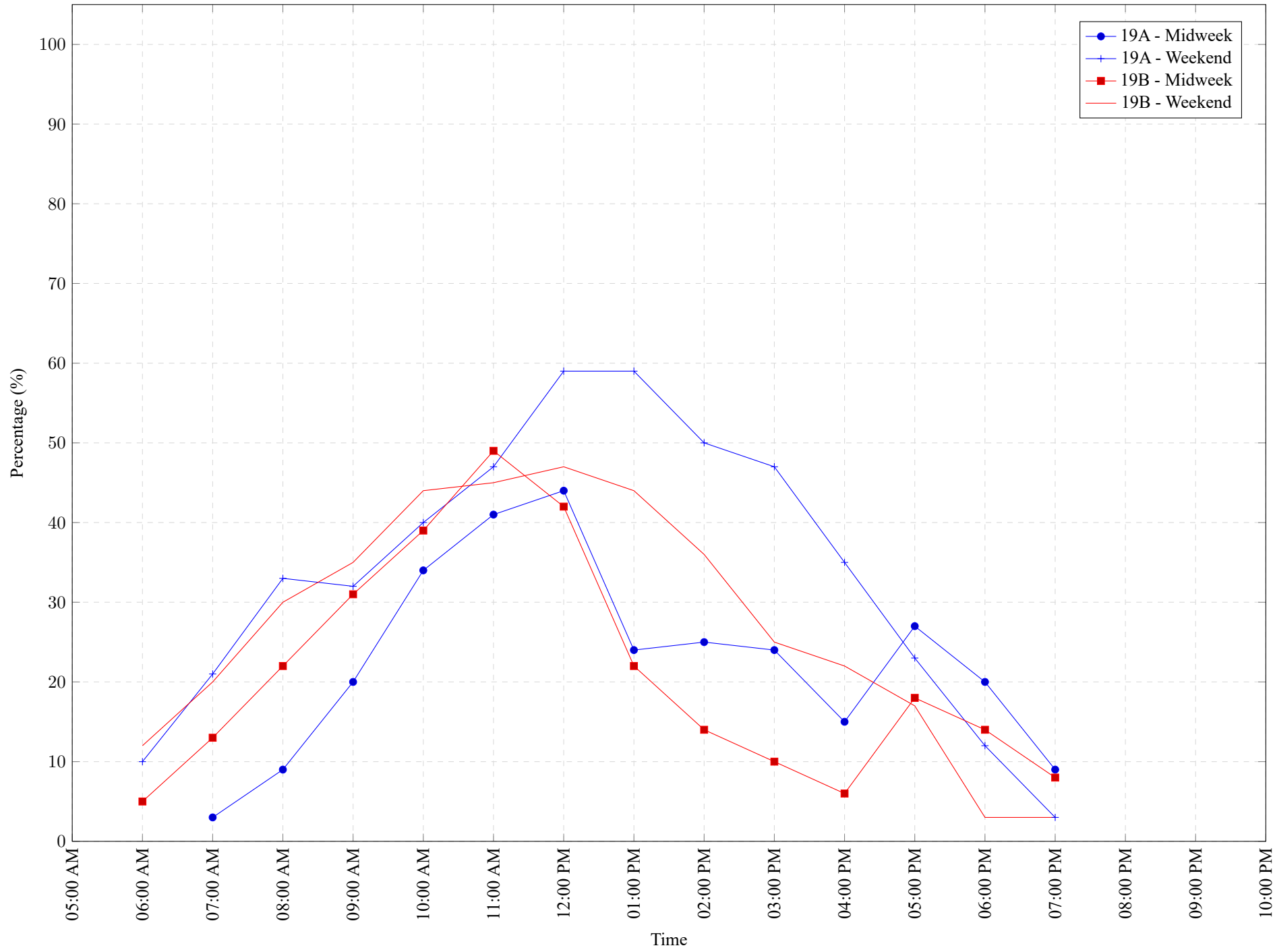


Table 7: Proportion of each day's fishing by hour.

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
19A	Midweek	0%	3%	9%	20%	34%	41%	44%	24%	25%	24%	15%	27%	20%	9%	0%	0%	0%
19A	Weekend	10%	21%	33%	32%	40%	47%	59%	59%	50%	47%	35%	23%	12%	3%	0%	0%	0%
19B	Midweek	5%	13%	22%	31%	39%	49%	42%	22%	14%	10%	6%	18%	14%	8%	0%	0%	0%
19B	Weekend	12%	20%	30%	35%	44%	45%	47%	44%	36%	25%	22%	17%	3%	3%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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