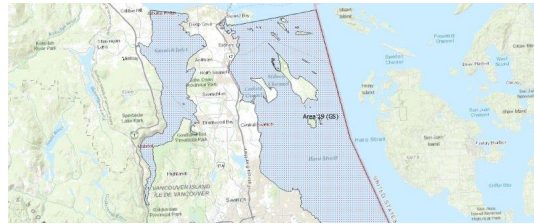


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (GS) October 2021



Prepared By:

South Coast Salmon Stock Assessment Section

Saturday 12th 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	Mill Bay		Sidney	
		AM	PM	AM	PM
28 Sep 2021	Midweek				
29 Sep 2021	Midweek				
30 Sep 2021	Midweek				1
01 Oct 2021	Midweek				
02 Oct 2021	Weekend				
03 Oct 2021	Weekend				
04 Oct 2021	Midweek				
05 Oct 2021	Midweek				
06 Oct 2021	Midweek		1		
07 Oct 2021	Midweek				
08 Oct 2021	Midweek				
09 Oct 2021	Weekend				
10 Oct 2021	Weekend				3
11 Oct 2021	Weekend				
12 Oct 2021	Midweek				
13 Oct 2021	Midweek			2	
14 Oct 2021	Midweek				
15 Oct 2021	Midweek				
16 Oct 2021	Weekend				
17 Oct 2021	Weekend				
18 Oct 2021	Midweek				3
19 Oct 2021	Midweek				
20 Oct 2021	Midweek				
21 Oct 2021	Midweek	3			
22 Oct 2021	Midweek				
23 Oct 2021	Weekend	3			
24 Oct 2021	Weekend				
25 Oct 2021	Midweek				
26 Oct 2021	Midweek				
27 Oct 2021	Midweek				
28 Oct 2021	Midweek				
29 Oct 2021	Midweek				
30 Oct 2021	Weekend			1	
31 Oct 2021	Weekend		6		
01 Nov 2021	Midweek				
02 Nov 2021	Midweek				
03 Nov 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-Sep-2021	Tuesday	choppy	0							
29-Sep-2021	Wednesday		0							
30-Sep-2021	Thursday		1							
01-Oct-2021	Friday		0							
02-Oct-2021	Saturday		0							
03-Oct-2021	Sunday		0					5	0922	11
04-Oct-2021	Monday		0							
05-Oct-2021	Tuesday		0							
06-Oct-2021	Wednesday	choppy	1					0	0935	0
07-Oct-2021	Thursday		0							
08-Oct-2021	Friday		0							
09-Oct-2021	Saturday		0					5	0929	11
10-Oct-2021	Sunday	calm/rippled	3							
11-Oct-2021	Monday		0							
	(Thanksgiving)									
12-Oct-2021	Tuesday		0							
13-Oct-2021	Wednesday	calm/rippled	2							
14-Oct-2021	Thursday		0					1	0948	3
15-Oct-2021	Friday		0							
16-Oct-2021	Saturday		0							
17-Oct-2021	Sunday		0					1	0931	2
18-Oct-2021	Monday	calm/rippled	6					1	0940	4
19-Oct-2021	Tuesday		0					1	0956	4
20-Oct-2021	Wednesday		0							
21-Oct-2021	Thursday	calm/rippled	3							
22-Oct-2021	Friday		0							
23-Oct-2021	Saturday	frequent whitecaps	3					1	0928	2
24-Oct-2021	Sunday		0							
25-Oct-2021	Monday		0							
26-Oct-2021	Tuesday		0							
27-Oct-2021	Wednesday		0							
28-Oct-2021	Thursday		0							
29-Oct-2021	Friday		0							
30-Oct-2021	Saturday	choppy	1							
31-Oct-2021	Sunday	calm/rippled	6							
01-Nov-2021	Monday		0							
02-Nov-2021	Tuesday		0							
03-Nov-2021	Wednesday		1							
	Totals	calm/rippled	12					1*		3*
	Totals	choppy	13					3*		7*

* 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	3	20	60								
Weekend	7	11	77								

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	October	162	2	2		
2018	October	251	105	1		6
2019	October	45	2			0
2020	October	214	11			0
2021	October	114	2			0
5-Yr Avg	October	168	30	2		2

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	22	0%
iRec Anglers	10	25%

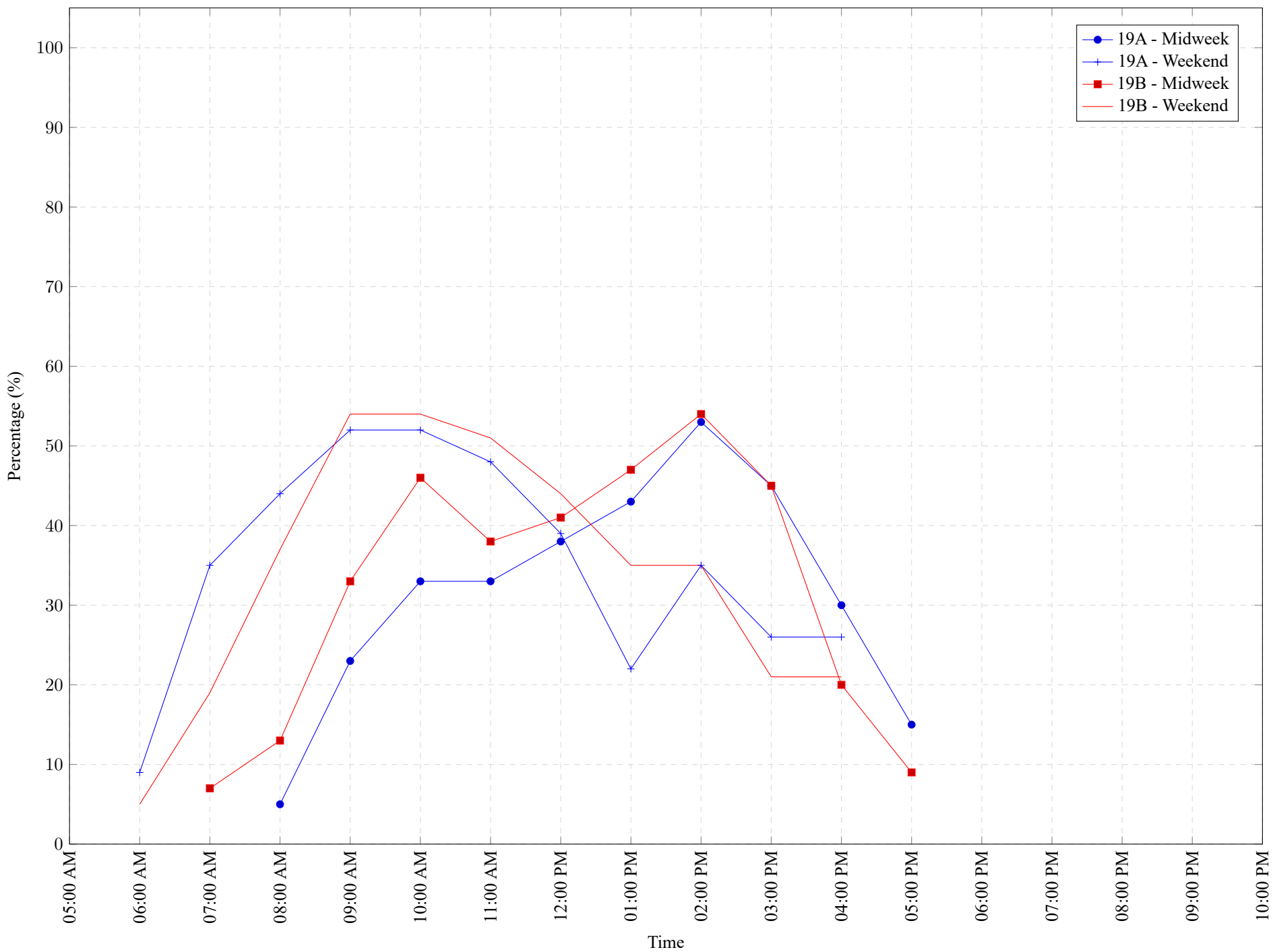
Figure 1: Proportion of each day's fishing by hour.

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%	5%	23%	33%	33%	38%	43%	53%	45%	30%	15%	0%	0%	0%	0%	0%
19A	Weekend	9%	35%	44%	52%	52%	48%	39%	22%	35%	26%	26%	0%	0%	0%	0%	0%	0%
19B	Midweek	0%	7%	13%	33%	46%	38%	41%	47%	54%	45%	20%	9%	0%	0%	0%	0%	0%
19B	Weekend	5%	19%	37%	54%	54%	51%	44%	35%	35%	21%	21%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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