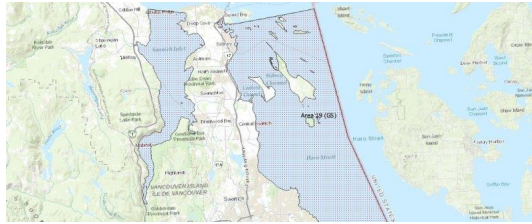


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (GS) September 2022



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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	
		PM	PM	AM	PM	AM	PM
29 Aug 2022	Midweek						
30 Aug 2022	Midweek						
31 Aug 2022	Midweek		3				
01 Sep 2022	Midweek						
02 Sep 2022	Midweek						
03 Sep 2022	Weekend					3	
04 Sep 2022	Weekend				6		
05 Sep 2022	Weekend						
06 Sep 2022	Midweek						
07 Sep 2022	Midweek		1		1		
08 Sep 2022	Midweek						
09 Sep 2022	Midweek			1		1	
10 Sep 2022	Weekend						
11 Sep 2022	Weekend	1	1				
12 Sep 2022	Midweek		1				6
13 Sep 2022	Midweek					3	
14 Sep 2022	Midweek						2
15 Sep 2022	Midweek	1					
16 Sep 2022	Midweek		1				
17 Sep 2022	Weekend						
18 Sep 2022	Weekend					1	5
19 Sep 2022	Midweek						
20 Sep 2022	Midweek						
21 Sep 2022	Midweek						
22 Sep 2022	Midweek					1	
23 Sep 2022	Midweek						
24 Sep 2022	Weekend						3
25 Sep 2022	Weekend		3		2		
26 Sep 2022	Midweek			3			
27 Sep 2022	Midweek						
28 Sep 2022	Midweek						1
29 Sep 2022	Midweek						
30 Sep 2022	Midweek				2		
01 Oct 2022	Weekend					3	
02 Oct 2022	Weekend						
03 Oct 2022	Midweek				4		3

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-Aug-2022	Monday		0					3	0942	7
30-Aug-2022	Tuesday		0							
31-Aug-2022	Wednesday	choppy	3							
01-Sep-2022	Thursday		0					5	1035	11
02-Sep-2022	Friday		0							
03-Sep-2022	Saturday	choppy	3					6	1041	13
04-Sep-2022	Sunday	calm/rippled	6							
05-Sep-2022	Monday (Labour Day)		0							
06-Sep-2022	Tuesday		0							
07-Sep-2022	Wednesday	choppy	2					5	1036	11
08-Sep-2022	Thursday		0							
09-Sep-2022	Friday	choppy	2							
10-Sep-2022	Saturday		0					33	1039	64
11-Sep-2022	Sunday	calm/rippled	2							
12-Sep-2022	Monday	choppy	7	1				5	1042	11
13-Sep-2022	Tuesday	calm/rippled	3							
14-Sep-2022	Wednesday	choppy	2							
15-Sep-2022	Thursday	choppy	1							
16-Sep-2022	Friday	choppy	1							
17-Sep-2022	Saturday		0							
18-Sep-2022	Sunday	calm/rippled	6	1				5	1038	11
19-Sep-2022	Monday		0							
20-Sep-2022	Tuesday		0							
21-Sep-2022	Wednesday		0					4	1040	9
22-Sep-2022	Thursday	frequent whitecaps	1							
23-Sep-2022	Friday		0							
24-Sep-2022	Saturday	calm/rippled	3	1						
25-Sep-2022	Sunday	choppy	5					27	1040	56
26-Sep-2022	Monday	calm/rippled	3							
27-Sep-2022	Tuesday		0							
28-Sep-2022	Wednesday	choppy	1							
29-Sep-2022	Thursday		0							
30-Sep-2022	Friday	calm/rippled	2							
01-Oct-2022	Saturday	calm/rippled	3					6	1026	14
02-Oct-2022	Sunday		0							
03-Oct-2022	Monday	calm/rippled	7		1					
	Totals	choppy	25	1				5*		11*
	Totals	calm/rippled	25	2				18*		36*

* 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	36	9	324	0.08				26			
Midweek	11	21	231	0.04				9			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	September	422	23			
2018	September	367	35			
2019	September	446	15	5		0
2020	September	601	37	0		0
2021	September	262	5			0
2022	September	509	55			0
5-Yr Avg	September	420	23	3		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
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Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	50	0%
iRec Anglers	129	2%

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

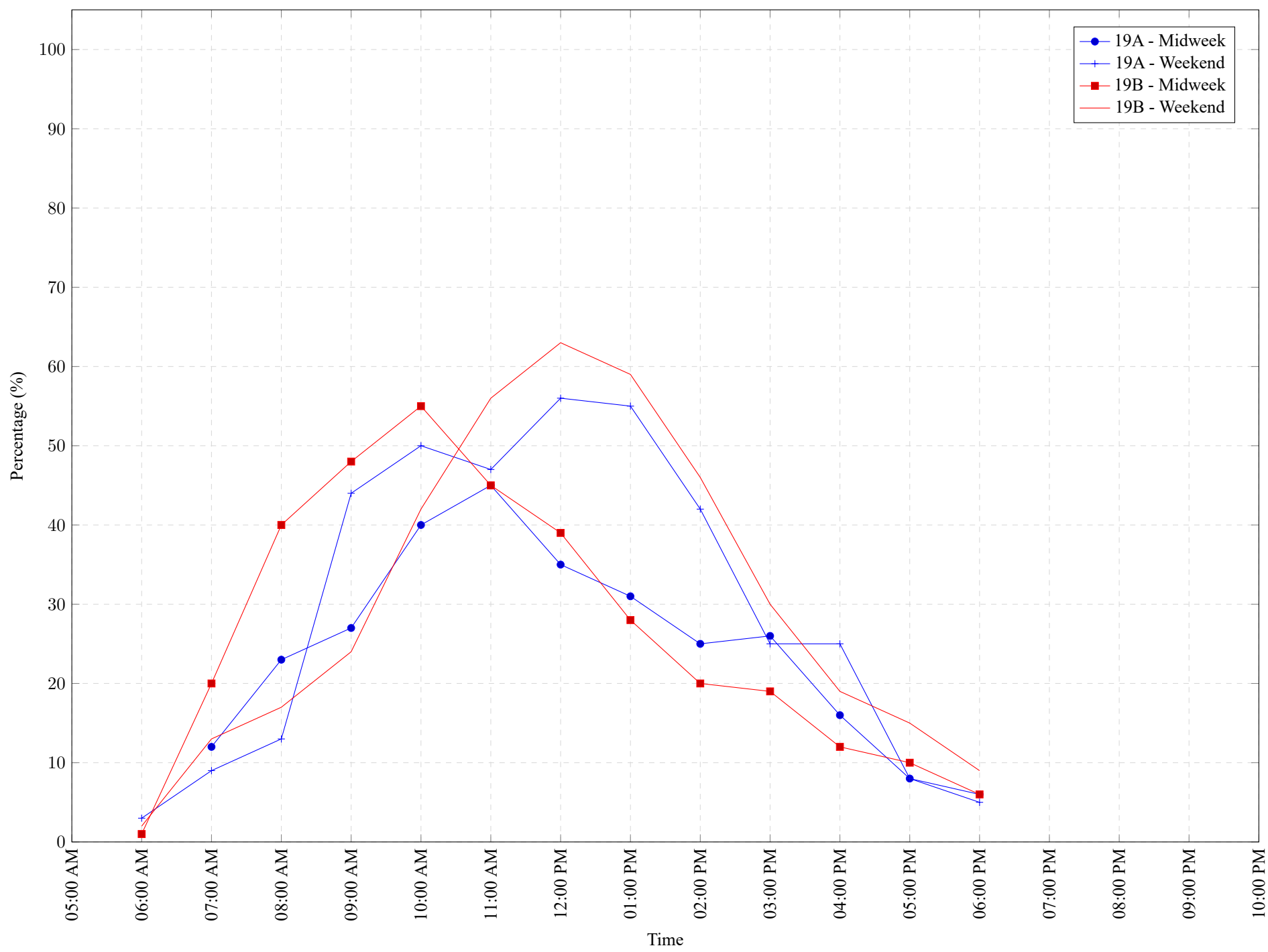


Table 7: Proportion of each day's fishing by hour.

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%	12%	23%	27%	40%	45%	35%	31%	25%	26%	16%	8%	6%	0%	0%	0%	0%
19A	Weekend	3%	9%	13%	44%	50%	47%	56%	55%	42%	25%	25%	8%	5%	0%	0%	0%	0%
19B	Midweek	1%	20%	40%	48%	55%	45%	39%	28%	20%	19%	12%	10%	6%	0%	0%	0%	0%
19B	Weekend	2%	13%	17%	24%	42%	56%	63%	59%	46%	30%	19%	15%	9%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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