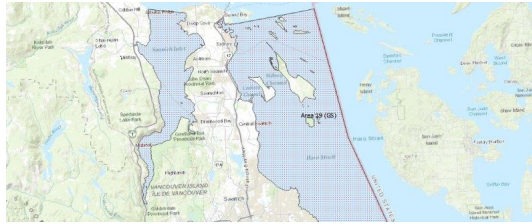


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (GS) July 2019



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



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 AM	Cowichan Bay PM	Crofton Ramp PM	Sidney AM	PM
28 Jun 2019	Midweek					
29 Jun 2019	Weekend					
30 Jun 2019	Weekend					7
01 Jul 2019	Weekend					
02 Jul 2019	Midweek					
03 Jul 2019	Midweek					
04 Jul 2019	Midweek					
05 Jul 2019	Midweek					
06 Jul 2019	Weekend					3
07 Jul 2019	Weekend					
08 Jul 2019	Midweek					
09 Jul 2019	Midweek					
10 Jul 2019	Midweek					
11 Jul 2019	Midweek					
12 Jul 2019	Midweek					
13 Jul 2019	Weekend			1		
14 Jul 2019	Weekend					6
15 Jul 2019	Midweek					
16 Jul 2019	Midweek					
17 Jul 2019	Midweek					
18 Jul 2019	Midweek					
19 Jul 2019	Midweek					1
20 Jul 2019	Weekend					
21 Jul 2019	Weekend					
22 Jul 2019	Midweek		1			
23 Jul 2019	Midweek					
24 Jul 2019	Midweek					
25 Jul 2019	Midweek				1	
26 Jul 2019	Midweek					
27 Jul 2019	Weekend				4	
28 Jul 2019	Weekend					
29 Jul 2019	Midweek					4
30 Jul 2019	Midweek					
31 Jul 2019	Midweek					
01 Aug 2019	Midweek	2			7	
02 Aug 2019	Midweek					7
03 Aug 2019	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
28-Jun-2019	Friday		0							
29-Jun-2019	Saturday		0					7	1030	16
30-Jun-2019	Sunday	calm/rippled	7							
01-Jul-2019	Monday (Canada Day)		0							
02-Jul-2019	Tuesday		0							
03-Jul-2019	Wednesday		0							
04-Jul-2019	Thursday		0					3	0928	6
05-Jul-2019	Friday		0							
06-Jul-2019	Saturday	choppy	3					8	0928	22
07-Jul-2019	Sunday		0							
08-Jul-2019	Monday		0							
09-Jul-2019	Tuesday		0					10	0929	20
10-Jul-2019	Wednesday		0							
11-Jul-2019	Thursday		0							
12-Jul-2019	Friday		0							
13-Jul-2019	Saturday	choppy	1					7	0925	19
14-Jul-2019	Sunday	calm/rippled	6					8	0925	22
15-Jul-2019	Monday		0							
16-Jul-2019	Tuesday		0							
17-Jul-2019	Wednesday		0							
18-Jul-2019	Thursday		0					3	0929	6
19-Jul-2019	Friday	calm/rippled	1					0	0924	0
20-Jul-2019	Saturday		0							
21-Jul-2019	Sunday		0					4	0927	11
22-Jul-2019	Monday	choppy	1							
23-Jul-2019	Tuesday		0							
24-Jul-2019	Wednesday		0							
25-Jul-2019	Thursday	calm/rippled	1					6	0928	12
26-Jul-2019	Friday		0							
27-Jul-2019	Saturday	choppy	4							
28-Jul-2019	Sunday		0					8	0922	22
29-Jul-2019	Monday	choppy	4							
30-Jul-2019	Tuesday		0					2	0925	4
31-Jul-2019	Wednesday		0							
01-Aug-2019	Thursday	calm/rippled	9	8				16	0925	32
02-Aug-2019	Friday	calm/rippled	7	3						
03-Aug-2019	Saturday		0					9	0926	24
	Totals	choppy	7					4*		8*
	Totals	choppy	14					7*		19*

* 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	8	22	176								
Weekend	19	9	171								

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	July	308	6			
2015	July	467	23			
2016	July	265	16			
2017	July	826	204			
2018	July	664	105	2		
2019	July	348	0			0
5-Yr Avg	July	506	71	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	21	0%
iRec Anglers	634	9%
iRec Responses	12	17%

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

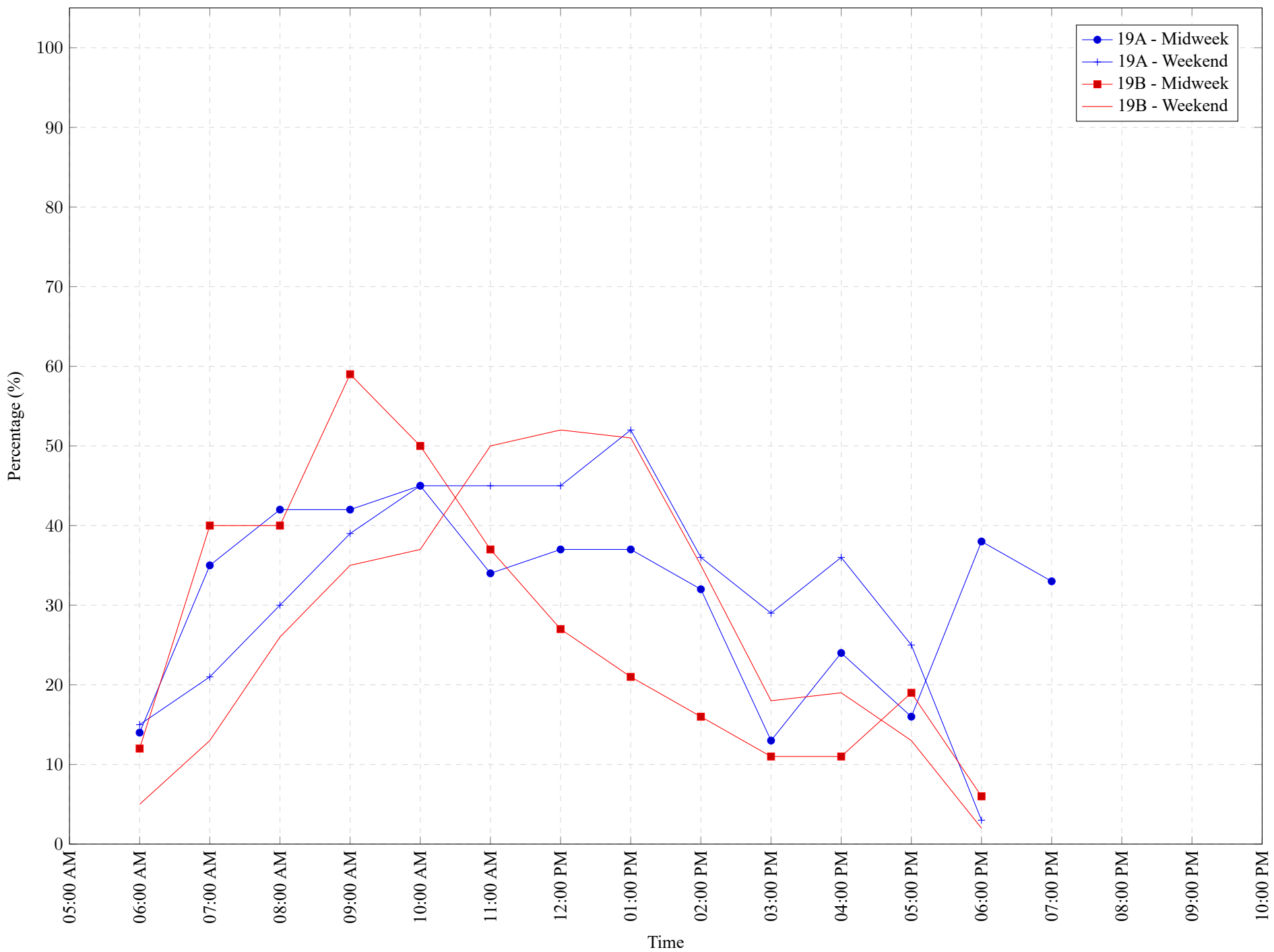


Table 7: Proportion of each day's fishing by hour.

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	14%	35%	42%	42%	45%	34%	37%	37%	32%	13%	24%	16%	38%	33%	0%	0%	0%
19A	Weekend	15%	21%	30%	39%	45%	45%	45%	52%	36%	29%	36%	25%	3%	0%	0%	0%	0%
19B	Midweek	12%	40%	40%	59%	50%	37%	27%	21%	16%	11%	11%	19%	6%	0%	0%	0%	0%
19B	Weekend	5%	13%	26%	35%	37%	50%	52%	51%	35%	18%	19%	13%	2%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Cattle Point	Cowichan Bay	Crofton Ramp	Sidney
28 Jun 2019	Midweek				
29 Jun 2019	Weekend				
30 Jun 2019	Weekend				calm/rippled
01 Jul 2019	Weekend				
02 Jul 2019	Midweek				
03 Jul 2019	Midweek				
04 Jul 2019	Midweek				
05 Jul 2019	Midweek				
06 Jul 2019	Weekend				choppy
07 Jul 2019	Weekend				
08 Jul 2019	Midweek				
09 Jul 2019	Midweek				
10 Jul 2019	Midweek				
11 Jul 2019	Midweek				
12 Jul 2019	Midweek				
13 Jul 2019	Weekend			choppy	
14 Jul 2019	Weekend				calm/rippled
15 Jul 2019	Midweek				
16 Jul 2019	Midweek				
17 Jul 2019	Midweek				
18 Jul 2019	Midweek				
19 Jul 2019	Midweek				calm/rippled
20 Jul 2019	Weekend				
21 Jul 2019	Weekend				
22 Jul 2019	Midweek		choppy		
23 Jul 2019	Midweek				
24 Jul 2019	Midweek				
25 Jul 2019	Midweek				calm/rippled
26 Jul 2019	Midweek				
27 Jul 2019	Weekend				choppy
28 Jul 2019	Weekend				
29 Jul 2019	Midweek				choppy
30 Jul 2019	Midweek				
31 Jul 2019	Midweek				
01 Aug 2019	Midweek	calm/rippled			choppy
02 Aug 2019	Midweek				calm/rippled
03 Aug 2019	Weekend				