

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 19 (GS) September 2020



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South Coast Salmon Stock Assessment Section

Tuesday 2<sup>nd</sup> February, 2021



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**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 2020	Weekend					3	
30 Aug 2020	Weekend						
31 Aug 2020	Midweek						
01 Sep 2020	Midweek						
02 Sep 2020	Midweek						
03 Sep 2020	Midweek		2				7
04 Sep 2020	Midweek						
05 Sep 2020	Weekend						
06 Sep 2020	Weekend	1					
07 Sep 2020	Weekend						
08 Sep 2020	Midweek						
09 Sep 2020	Midweek					3	
10 Sep 2020	Midweek						
11 Sep 2020	Midweek			2			
12 Sep 2020	Weekend		3				
13 Sep 2020	Weekend		1			3	
14 Sep 2020	Midweek						
15 Sep 2020	Midweek						
16 Sep 2020	Midweek						
17 Sep 2020	Midweek						
18 Sep 2020	Midweek						
19 Sep 2020	Weekend						
20 Sep 2020	Weekend			4			
21 Sep 2020	Midweek						4
22 Sep 2020	Midweek						
23 Sep 2020	Midweek						
24 Sep 2020	Midweek						
25 Sep 2020	Midweek						
26 Sep 2020	Weekend						
27 Sep 2020	Weekend						
28 Sep 2020	Midweek				4		
29 Sep 2020	Midweek						
30 Sep 2020	Midweek						
01 Oct 2020	Midweek						
02 Oct 2020	Midweek						
03 Oct 2020	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
29-Aug-2020	Saturday	choppy	3					0	0857	0
30-Aug-2020	Sunday		1							
31-Aug-2020	Monday		0							
01-Sep-2020	Tuesday		0					14	1144	29
02-Sep-2020	Wednesday		0							
03-Sep-2020	Thursday	calm/rippled	9							
04-Sep-2020	Friday		0							
05-Sep-2020	Saturday		0							
06-Sep-2020	Sunday	calm/rippled	1					19	1118	32
07-Sep-2020	Monday (Labour Day)		0							
08-Sep-2020	Tuesday		0							
09-Sep-2020	Wednesday	calm/rippled	3	1						
10-Sep-2020	Thursday		0					12	1143	25
11-Sep-2020	Friday	calm/rippled	2							
12-Sep-2020	Saturday	choppy	3							
13-Sep-2020	Sunday	choppy	4							
14-Sep-2020	Monday		0							
15-Sep-2020	Tuesday		0							
16-Sep-2020	Wednesday		0							
17-Sep-2020	Thursday		0							
18-Sep-2020	Friday		0							
19-Sep-2020	Saturday		0					10	1135	20
20-Sep-2020	Sunday	calm/rippled	4					15	1122	26
21-Sep-2020	Monday	calm/rippled	4					5	1140	11
22-Sep-2020	Tuesday		0							
23-Sep-2020	Wednesday		0							
24-Sep-2020	Thursday		0							
25-Sep-2020	Friday		0					0	1149	0
26-Sep-2020	Saturday		0					0	1138	0
27-Sep-2020	Sunday		0							
28-Sep-2020	Monday	calm/rippled	5	1						
29-Sep-2020	Tuesday		0							
30-Sep-2020	Wednesday		0							
01-Oct-2020	Thursday		0							
02-Oct-2020	Friday		0							
03-Oct-2020	Saturday		0							
	Totals	calm/rippled	23	2				8*		16*
	Totals	choppy	12					11*		20*

\* 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	16	21	336	0.0870				29			
Weekend	20	9	180								

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	September	239	35			
2016	September	280				
2017	September	422	23			
2018	September	367	35			
2019	September	446	15	5		0
2020	September	601	37	0		0
5-Yr Avg	September	351	27	5		0

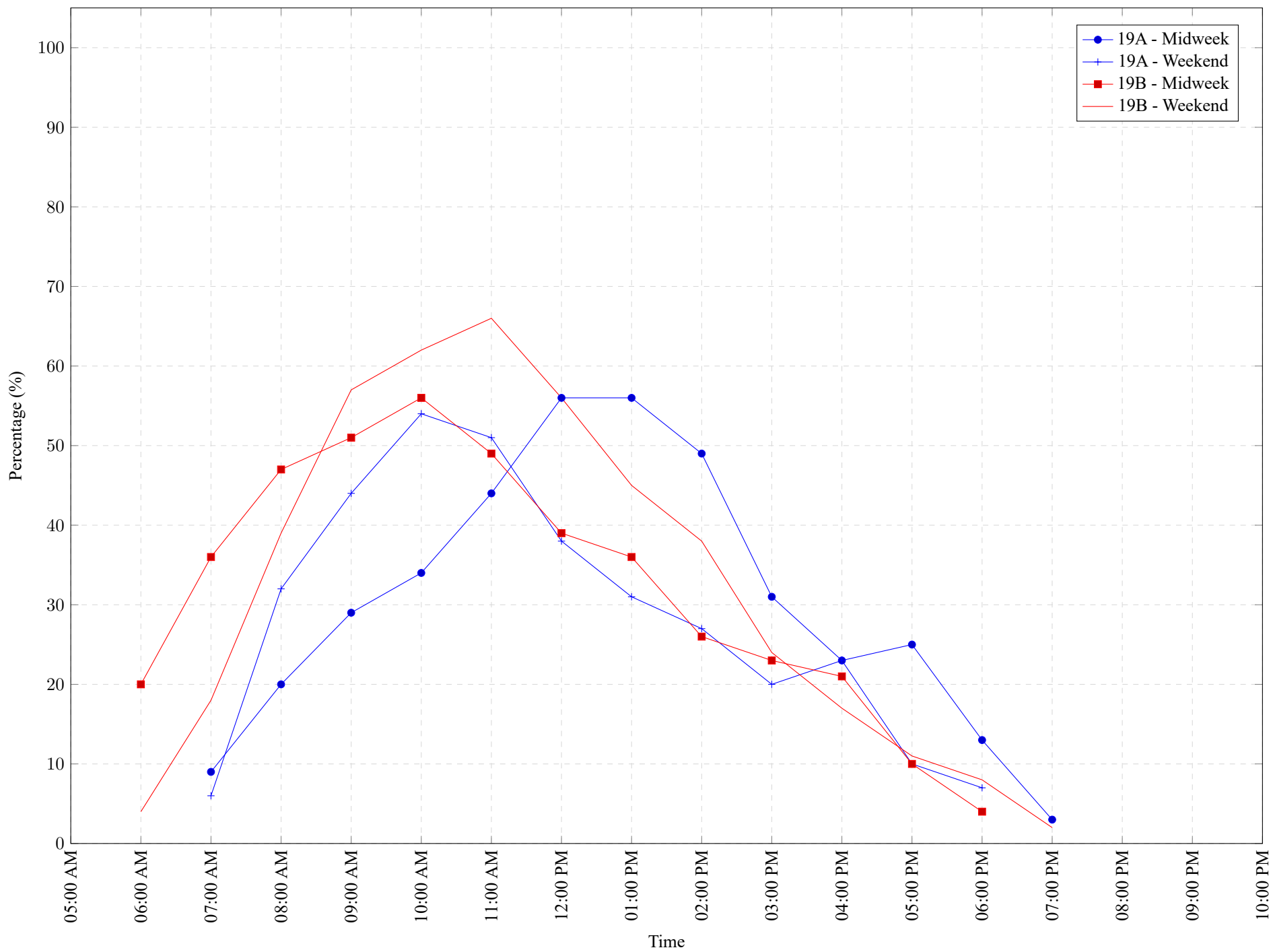
**Table 5: Sport Head Recovery Review.**

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	34	0%
iRec Anglers	245	12%

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%	9%	20%	29%	34%	44%	56%	56%	49%	31%	23%	25%	13%	3%	0%	0%	0%
19A	Weekend	0%	6%	32%	44%	54%	51%	38%	31%	27%	20%	23%	10%	7%	0%	0%	0%	0%
19B	Midweek	20%	36%	47%	51%	56%	49%	39%	36%	26%	23%	21%	10%	4%	0%	0%	0%	0%
19B	Weekend	4%	18%	39%	57%	62%	66%	56%	45%	38%	24%	17%	11%	8%	2%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	Cattle Point	Cowichan Bay	Mill Bay	Sidney
29 Aug 2020	Weekend				choppy
30 Aug 2020	Weekend				
31 Aug 2020	Midweek				
01 Sep 2020	Midweek				
02 Sep 2020	Midweek				
03 Sep 2020	Midweek		calm/rippled		calm/rippled
04 Sep 2020	Midweek				
05 Sep 2020	Weekend	calm/rippled			
06 Sep 2020	Weekend				
07 Sep 2020	Weekend				
08 Sep 2020	Midweek				
09 Sep 2020	Midweek				calm/rippled
10 Sep 2020	Midweek				
11 Sep 2020	Midweek			calm/rippled	
12 Sep 2020	Weekend		choppy		
13 Sep 2020	Weekend		choppy		calm/rippled
14 Sep 2020	Midweek				
15 Sep 2020	Midweek				
16 Sep 2020	Midweek				
17 Sep 2020	Midweek				
18 Sep 2020	Midweek				
19 Sep 2020	Weekend				
20 Sep 2020	Weekend			calm/rippled	
21 Sep 2020	Midweek				calm/rippled
22 Sep 2020	Midweek				
23 Sep 2020	Midweek				
24 Sep 2020	Midweek				
25 Sep 2020	Midweek				
26 Sep 2020	Weekend				
27 Sep 2020	Weekend				
28 Sep 2020	Midweek			calm/rippled	
29 Sep 2020	Midweek				
30 Sep 2020	Midweek				
01 Oct 2020	Midweek				
02 Oct 2020	Midweek				
03 Oct 2020	Weekend				