

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 19 (GS) July 2021



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Friday 11<sup>th</sup> February, 2022



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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	
		AM	PM	AM	PM	AM	PM	AM	PM
28 Jun 2021	Midweek								
29 Jun 2021	Midweek								
30 Jun 2021	Midweek								
01 Jul 2021	Weekend							4	
02 Jul 2021	Midweek	2							
03 Jul 2021	Weekend						1		
04 Jul 2021	Weekend		1	1					13
05 Jul 2021	Midweek								2
06 Jul 2021	Midweek								
07 Jul 2021	Midweek								
08 Jul 2021	Midweek								
09 Jul 2021	Midweek								
10 Jul 2021	Weekend						4		
11 Jul 2021	Weekend	1							
12 Jul 2021	Midweek				1				4
13 Jul 2021	Midweek								
14 Jul 2021	Midweek					2			
15 Jul 2021	Midweek								
16 Jul 2021	Midweek							2	
17 Jul 2021	Weekend								7
18 Jul 2021	Weekend								
19 Jul 2021	Midweek						1		
20 Jul 2021	Midweek								
21 Jul 2021	Midweek		1						
22 Jul 2021	Midweek							2	
23 Jul 2021	Midweek						3		
24 Jul 2021	Weekend				3	2			
25 Jul 2021	Weekend								4
26 Jul 2021	Midweek								7
27 Jul 2021	Midweek								
28 Jul 2021	Midweek								
29 Jul 2021	Midweek								
30 Jul 2021	Midweek								
31 Jul 2021	Weekend								
01 Aug 2021	Weekend					4		10	
02 Aug 2021	Weekend								
03 Aug 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-Jun-2021	Monday		0							
29-Jun-2021	Tuesday		0							
30-Jun-2021	Wednesday		0							
01-Jul-2021	Thursday (Canada Day)	calm/rippled	4							
02-Jul-2021	Friday	calm/rippled	2					7	0946	19
03-Jul-2021	Saturday	choppy	2					3	0946	8
04-Jul-2021	Sunday	frequent whitecaps	15					3	0950	6
05-Jul-2021	Monday	choppy	2							
06-Jul-2021	Tuesday		0					2	1122	7
07-Jul-2021	Wednesday		0							
08-Jul-2021	Thursday		0					1	1018	3
09-Jul-2021	Friday		0							
10-Jul-2021	Saturday	calm/rippled	4							
11-Jul-2021	Sunday	calm/rippled	1					8	1000	17
12-Jul-2021	Monday	choppy	5							
13-Jul-2021	Tuesday		0							
14-Jul-2021	Wednesday	choppy	2							
15-Jul-2021	Thursday		0					2	1010	6
16-Jul-2021	Friday	frequent whitecaps	2							
17-Jul-2021	Saturday	choppy	7					3	0956	6
18-Jul-2021	Sunday		0					10	0945	21
19-Jul-2021	Monday	choppy	1							
20-Jul-2021	Tuesday		0							
21-Jul-2021	Wednesday	frequent whitecaps	1					2	1025	6
22-Jul-2021	Thursday	calm/rippled	2							
23-Jul-2021	Friday	calm/rippled	3							
24-Jul-2021	Saturday	calm/rippled	5							
25-Jul-2021	Sunday	calm/rippled	4					8	1009	17
26-Jul-2021	Monday	calm/rippled	7							
27-Jul-2021	Tuesday		0							
28-Jul-2021	Wednesday		0					3	1009	9
29-Jul-2021	Thursday		0							
30-Jul-2021	Friday		0							
31-Jul-2021	Saturday		0							
01-Aug-2021	Sunday	calm/rippled	14	3						
02-Aug-2021	Monday (B.C. Day)		0							
03-Aug-2021	Tuesday		0					5	0836	35
	Totals	choppy	27					3*		8*
	Totals	choppy	42					6*		13*

\* 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	21	168								
Weekend	13	10	130								

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	July	265	16			
2017	July	826	204			
2018	July	664	105	2		
2019	July	348	0			0
2020	July	445	0			0
2021	July	285	0	0	0	0
5-Yr Avg	July	510	65	2		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	69	0%
iRec Anglers	326	3%

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

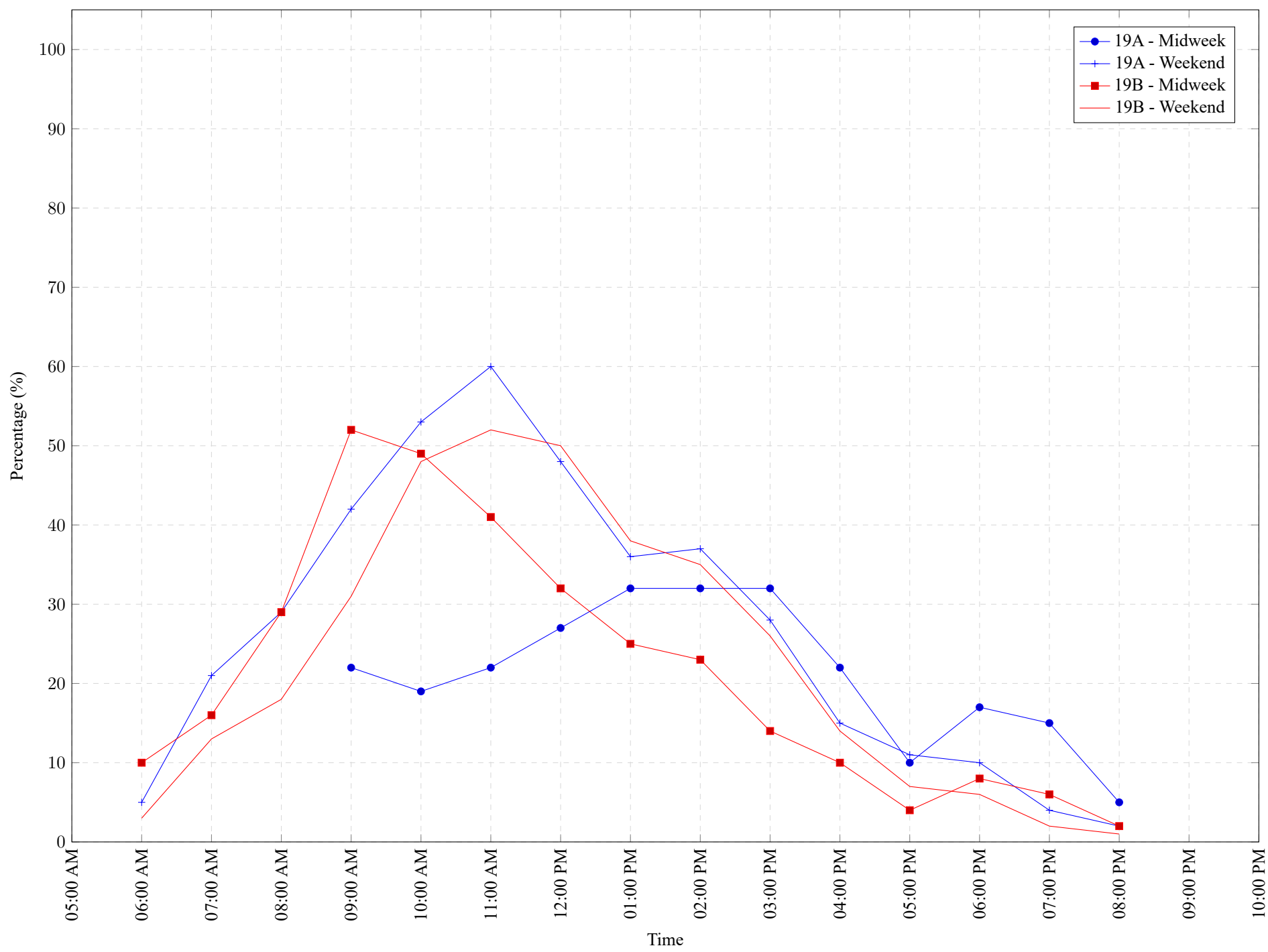


Table 7: Proportion of each day's fishing by hour.

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%	0%	22%	19%	22%	27%	32%	32%	32%	22%	10%	17%	15%	5%	0%	0%
19A	Weekend	5%	21%	29%	42%	53%	60%	48%	36%	37%	28%	15%	11%	10%	4%	2%	0%	0%
19B	Midweek	10%	16%	29%	52%	49%	41%	32%	25%	23%	14%	10%	4%	8%	6%	2%	0%	0%
19B	Weekend	3%	13%	18%	31%	48%	52%	50%	38%	35%	26%	14%	7%	6%	2%	1%	0%	0%

**Table 8: Daily Fishing Conditions.**

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