

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 19 (JDF) July 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	Becher Bay	Cattle Point		Flemming		Pedder Bay		Sidney
		AM	AM	PM	AM	PM	AM	PM	PM
28 Jun 2020	Weekend						15		1
29 Jun 2020	Midweek			5		11			
30 Jun 2020	Midweek								
01 Jul 2020	Weekend								
02 Jul 2020	Midweek		2						
03 Jul 2020	Midweek							4	
04 Jul 2020	Weekend		13						
05 Jul 2020	Weekend							2	
06 Jul 2020	Midweek								
07 Jul 2020	Midweek								
08 Jul 2020	Midweek								
09 Jul 2020	Midweek								
10 Jul 2020	Midweek								
11 Jul 2020	Weekend					4			
12 Jul 2020	Weekend			2	11				
13 Jul 2020	Midweek		12						
14 Jul 2020	Midweek								
15 Jul 2020	Midweek			3					
16 Jul 2020	Midweek								
17 Jul 2020	Midweek								
18 Jul 2020	Weekend							1	
19 Jul 2020	Weekend			6					
20 Jul 2020	Midweek								
21 Jul 2020	Midweek								
22 Jul 2020	Midweek								1
23 Jul 2020	Midweek								
24 Jul 2020	Midweek								
25 Jul 2020	Weekend	3							
26 Jul 2020	Weekend						3		
27 Jul 2020	Midweek								
28 Jul 2020	Midweek				4				
29 Jul 2020	Midweek					4			
30 Jul 2020	Midweek	1							
31 Jul 2020	Midweek								
01 Aug 2020	Weekend								
02 Aug 2020	Weekend			1					
03 Aug 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
28-Jun-2020	Sunday	calm/rippled	16				9			
29-Jun-2020	Monday	choppy	16				2	6	1114	18
30-Jun-2020	Tuesday		0					0	1126	0
01-Jul-2020	Wednesday (Canada Day)		0					16	1117	22
02-Jul-2020	Thursday	choppy	2							
03-Jul-2020	Friday	calm/rippled	4							
04-Jul-2020	Saturday	calm/rippled	13					34	1105	47
05-Jul-2020	Sunday	choppy	2							
06-Jul-2020	Monday		0					2	1107	6
07-Jul-2020	Tuesday		0					1	1113	3
08-Jul-2020	Wednesday		0							
09-Jul-2020	Thursday		0							
10-Jul-2020	Friday		0							
11-Jul-2020	Saturday	calm/rippled	4				4	56	1114	78
12-Jul-2020	Sunday	frequent whitecaps	13				6	13	1117	18
13-Jul-2020	Monday	calm/rippled	12							
14-Jul-2020	Tuesday		0					37	1049	83
15-Jul-2020	Wednesday	choppy	3					11	1048	25
16-Jul-2020	Thursday		0							
17-Jul-2020	Friday		0							
18-Jul-2020	Saturday	choppy	1					37	1050	49
19-Jul-2020	Sunday	calm/rippled	6							
20-Jul-2020	Monday		0							
21-Jul-2020	Tuesday		0					4	1051	9
22-Jul-2020	Wednesday	choppy	1							
23-Jul-2020	Thursday		0							
24-Jul-2020	Friday		0							
25-Jul-2020	Saturday	calm/rippled	3				1	10	1032	13
26-Jul-2020	Sunday	choppy	3				2			
27-Jul-2020	Monday		0							
28-Jul-2020	Tuesday	choppy	4					5	1115	15
29-Jul-2020	Wednesday	choppy	4				2			
30-Jul-2020	Thursday	calm/rippled	1		1					
31-Jul-2020	Friday		0					1	1035	2
01-Aug-2020	Saturday		0					69	1011	93
02-Aug-2020	Sunday	choppy	1							
03-Aug-2020	Monday (B.C. Day)		0							
	Totals	choppy	31		1		2	9*		20*
	Totals	choppy	45				13	28*		38*

\* 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	20	22	440		0.0320		0.0650		14		29
Weekend	38	9	342				0.2890				99

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	July	2417	888	26	9	320
2016	July	1618	117			198
2017	July	1242	198	1	14	47
2018	July	2576	735			269
2019	July	1458	0	85	0	93
2020	July	995	0	37		263
5-Yr Avg	July	1862	388	37	8	185

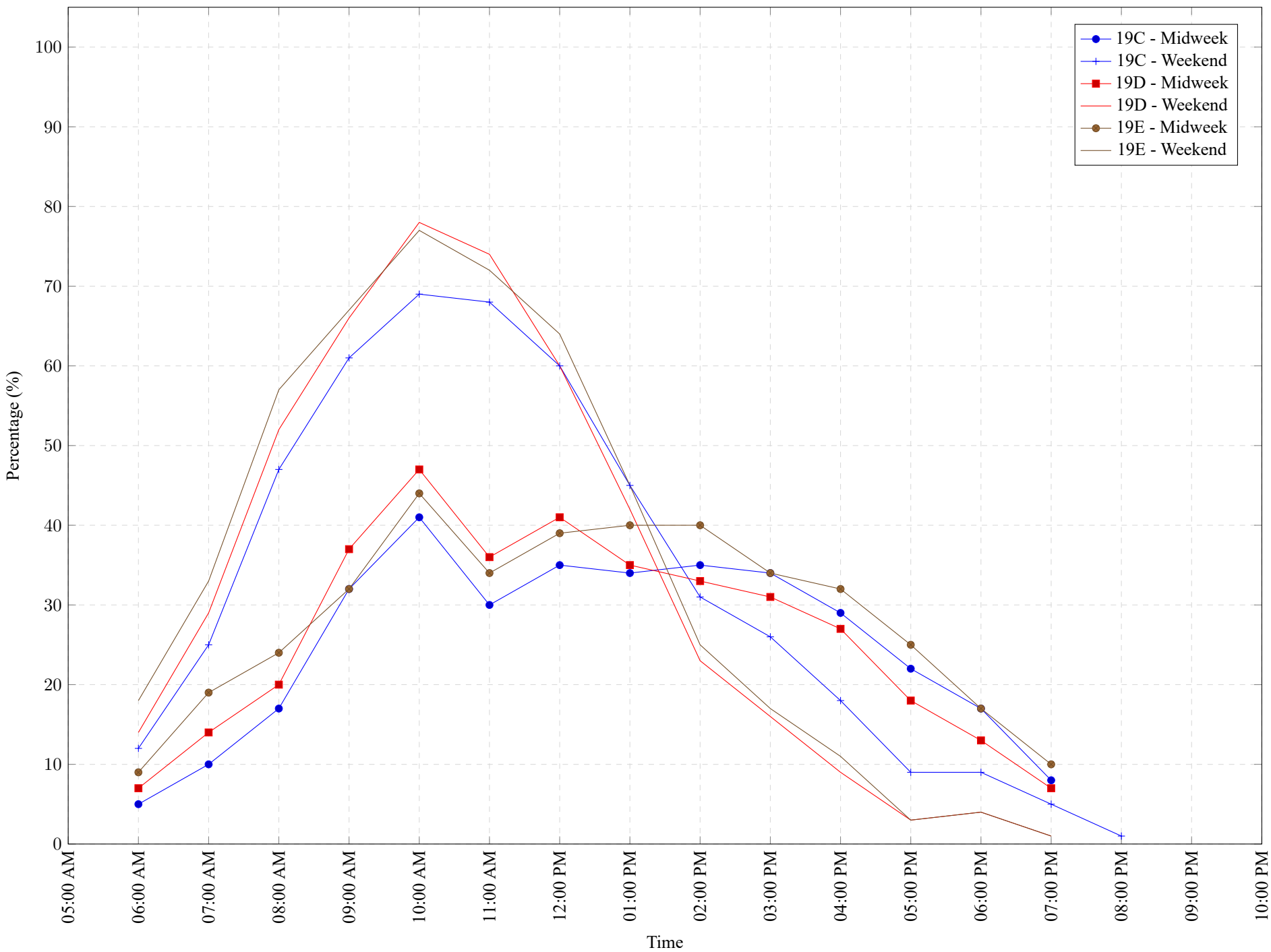
**Table 5: Sport Head Recovery Review.**

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	76	1%
iRec Anglers	2059	9%

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
19C	Midweek	5%	10%	17%	32%	41%	30%	35%	34%	35%	34%	29%	22%	17%	8%	0%	0%	0%
19C	Weekend	12%	25%	47%	61%	69%	68%	60%	45%	31%	26%	18%	9%	9%	5%	1%	0%	0%
19D	Midweek	7%	14%	20%	37%	47%	36%	41%	35%	33%	31%	27%	18%	13%	7%	0%	0%	0%
19D	Weekend	14%	29%	52%	66%	78%	74%	60%	42%	23%	16%	9%	3%	4%	1%	0%	0%	0%
19E	Midweek	9%	19%	24%	32%	44%	34%	39%	40%	40%	34%	32%	25%	17%	10%	0%	0%	0%
19E	Weekend	18%	33%	57%	67%	77%	72%	64%	45%	25%	17%	11%	3%	4%	1%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

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