

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (JDF) August 2020



Prepared By:
South Coast Salmon Stock Assessment Section

Wednesday 3rd 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		Cowichan Bay	Flemming		Pedder Bay	
		AM	AM	PM	PM	AM	PM	AM	PM
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								
04 Aug 2020	Midweek								
05 Aug 2020	Midweek								
06 Aug 2020	Midweek								
07 Aug 2020	Midweek								
08 Aug 2020	Weekend								5
09 Aug 2020	Weekend			12					
10 Aug 2020	Midweek	2							
11 Aug 2020	Midweek			2					
12 Aug 2020	Midweek						5		
13 Aug 2020	Midweek					13		1	
14 Aug 2020	Midweek								
15 Aug 2020	Weekend					37			
16 Aug 2020	Weekend		14						
17 Aug 2020	Midweek			1					
18 Aug 2020	Midweek								
19 Aug 2020	Midweek			11					
20 Aug 2020	Midweek								
21 Aug 2020	Midweek						15		
22 Aug 2020	Weekend						13		
23 Aug 2020	Weekend	2							
24 Aug 2020	Midweek								
25 Aug 2020	Midweek				1				
26 Aug 2020	Midweek		3						
27 Aug 2020	Midweek		4						
28 Aug 2020	Midweek					9			
29 Aug 2020	Weekend								6
30 Aug 2020	Weekend							1	
31 Aug 2020	Midweek								1
01 Sep 2020	Midweek								
02 Sep 2020	Midweek								
03 Sep 2020	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
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	108
02-Aug-2020	Sunday	choppy	1							
03-Aug-2020	Monday (B.C. Day)		0							
04-Aug-2020	Tuesday		0							
05-Aug-2020	Wednesday		0					1	0947	3
06-Aug-2020	Thursday		0							
07-Aug-2020	Friday		0							
08-Aug-2020	Saturday	frequent whitecaps	5				4			
09-Aug-2020	Sunday	calm/rippled	12					100	1009	156
10-Aug-2020	Monday	calm/rippled	2				2			
11-Aug-2020	Tuesday	frequent whitecaps	2					35	1012	80
12-Aug-2020	Wednesday	choppy	5							
13-Aug-2020	Thursday	calm/rippled	14	3			2			
14-Aug-2020	Friday		0							
15-Aug-2020	Saturday	calm/rippled	37	14	2			117	1013	183
16-Aug-2020	Sunday	calm/rippled	14	1						
17-Aug-2020	Monday	choppy	1							
18-Aug-2020	Tuesday		0							
19-Aug-2020	Wednesday	calm/rippled	11							
20-Aug-2020	Thursday		0					19	1231	47
21-Aug-2020	Friday	choppy	15	5						
22-Aug-2020	Saturday	calm/rippled	13	2			2	71	1006	111
23-Aug-2020	Sunday	calm/rippled	2							
24-Aug-2020	Monday		0							
25-Aug-2020	Tuesday	choppy	1							
26-Aug-2020	Wednesday	calm/rippled	3							
27-Aug-2020	Thursday	calm/rippled	4							
28-Aug-2020	Friday	calm/rippled	9	2				24	0941	62
29-Aug-2020	Saturday	choppy	6	1			4			
30-Aug-2020	Sunday	calm/rippled	1	1						
31-Aug-2020	Monday	calm/rippled	1							
01-Sep-2020	Tuesday		0					36	1215	90
02-Sep-2020	Wednesday		0							
03-Sep-2020	Thursday		0							
	Totals	choppy	68	10			4	20*		48*
	Totals	calm/rippled	91	19	2		10	89*		140*

* 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	140	11	1540	0.2090	0.0220		0.11	322	34		169
Midweek	48	20	960	0.1470			0.0590	141			57

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	August	2747	1338	34		241
2016	August	1971	550	84	7	196
2017	August	2796	1333	19	6	214
2018	August	2212	730	13	37	137
2019	August	2849	1811	55	0	7
2020	August	2535	559	40		146
5-Yr Avg	August	2515	1152	41	13	159

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	159	1%
iRec Anglers	7191	4%

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

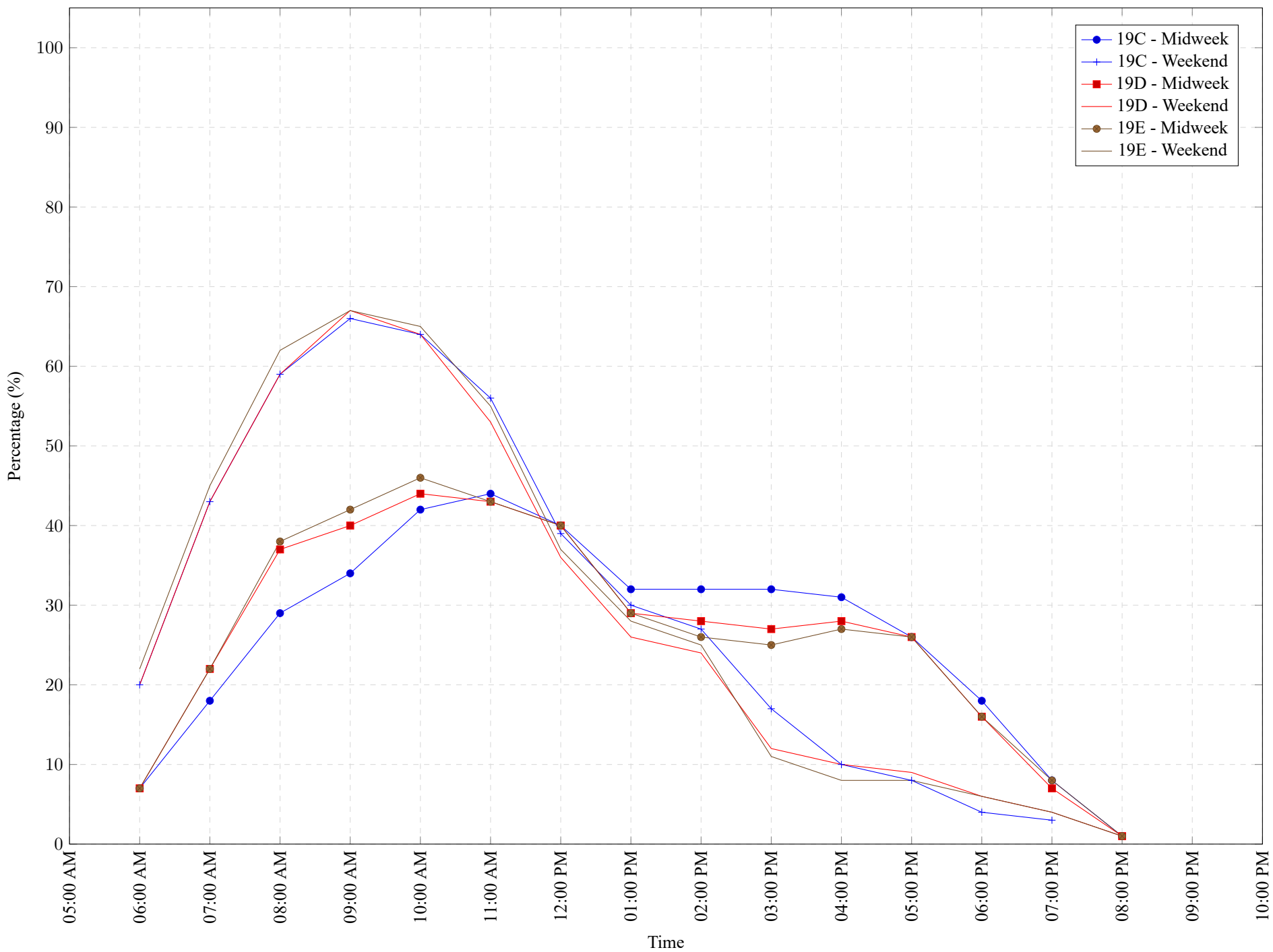


Table 7: Proportion of each day's fishing by hour.

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	7%	18%	29%	34%	42%	44%	40%	32%	32%	32%	31%	26%	18%	8%	1%	0%	0%
19C	Weekend	20%	43%	59%	66%	64%	56%	39%	30%	27%	17%	10%	8%	4%	3%	0%	0%	0%
19D	Midweek	7%	22%	37%	40%	44%	43%	40%	29%	28%	27%	28%	26%	16%	7%	1%	0%	0%
19D	Weekend	20%	43%	59%	67%	64%	53%	36%	26%	24%	12%	10%	9%	6%	4%	1%	0%	0%
19E	Midweek	7%	22%	38%	42%	46%	43%	40%	29%	26%	25%	27%	26%	16%	8%	1%	0%	0%
19E	Weekend	22%	45%	62%	67%	65%	55%	37%	28%	25%	11%	8%	8%	6%	4%	1%	0%	0%

Table 8: Daily Fishing Conditions.

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