

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (JDF) September 2020



Prepared By:

South Coast Salmon Stock Assessment Section

Tuesday 2nd 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	
		PM	AM	PM	AM	PM	AM	PM
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							
04 Sep 2020	Midweek				29			
05 Sep 2020	Weekend			9				
06 Sep 2020	Weekend							
07 Sep 2020	Weekend							
08 Sep 2020	Midweek			4				
09 Sep 2020	Midweek							
10 Sep 2020	Midweek	4			7			
11 Sep 2020	Midweek							
12 Sep 2020	Weekend					17		
13 Sep 2020	Weekend							
14 Sep 2020	Midweek							
15 Sep 2020	Midweek							
16 Sep 2020	Midweek					14		
17 Sep 2020	Midweek							
18 Sep 2020	Midweek			1		7		
19 Sep 2020	Weekend							
20 Sep 2020	Weekend		12					
21 Sep 2020	Midweek							
22 Sep 2020	Midweek		3					
23 Sep 2020	Midweek							
24 Sep 2020	Midweek			1				1
25 Sep 2020	Midweek							
26 Sep 2020	Weekend			1	4			
27 Sep 2020	Weekend						3	
28 Sep 2020	Midweek							2
29 Sep 2020	Midweek					5		
30 Sep 2020	Midweek							
01 Oct 2020	Midweek							
02 Oct 2020	Midweek					22		
03 Oct 2020	Weekend			6				

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	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	73
02-Sep-2020	Wednesday		0							
03-Sep-2020	Thursday		0							
04-Sep-2020	Friday	calm/rippled	29	10			1			
05-Sep-2020	Saturday		0							
06-Sep-2020	Sunday	calm/rippled	9					103	1126	136
07-Sep-2020	Monday (Labour Day)		0							
08-Sep-2020	Tuesday		0							
09-Sep-2020	Wednesday	calm/rippled	4							
10-Sep-2020	Thursday	calm/rippled	11		1		6	51	1218	104
11-Sep-2020	Friday		0							
12-Sep-2020	Saturday	choppy	17	1			1			
13-Sep-2020	Sunday		0							
14-Sep-2020	Monday		0							
15-Sep-2020	Tuesday		0							
16-Sep-2020	Wednesday	calm/rippled	14	4						
17-Sep-2020	Thursday		0							
18-Sep-2020	Friday	choppy	8	1	1		1			
19-Sep-2020	Saturday		0					6	1157	8
20-Sep-2020	Sunday	calm/rippled	12					81	1135	107
21-Sep-2020	Monday		0					30	1213	61
22-Sep-2020	Tuesday	choppy	3							
23-Sep-2020	Wednesday		0							
24-Sep-2020	Thursday	calm/rippled	2				2			
25-Sep-2020	Friday		0					2	1219	4
26-Sep-2020	Saturday	calm/rippled	5		3			27	1202	40
27-Sep-2020	Sunday	calm/rippled	3				4			
28-Sep-2020	Monday	calm/rippled	2							
29-Sep-2020	Tuesday	calm/rippled	5	1	6		2			
30-Sep-2020	Wednesday		0							
01-Oct-2020	Thursday		0							
02-Oct-2020	Friday	calm/rippled	22	1	10		1			
03-Oct-2020	Saturday	choppy	6	6						
	Totals	calm/rippled	78	16	8		12	30*		61*
	Totals	calm/rippled	46	1	3		5	54*		73*

* 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	61	21	1281	0.2050	0.1030		0.1540	263	132		197
Weekend	73	9	657	0.0220	0.0650		0.1090	14	43		72

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	September	1894	1901	81		176
2016	September	1868	648	237		288
2017	September	1822	343	36		490
2018	September	1799	471	185		85
2019	September	3155	285	81		493
2020	September	2046	309	220		224
5-Yr Avg	September	2108	730	124		306

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	124	1%
iRec Anglers	2607	6%

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

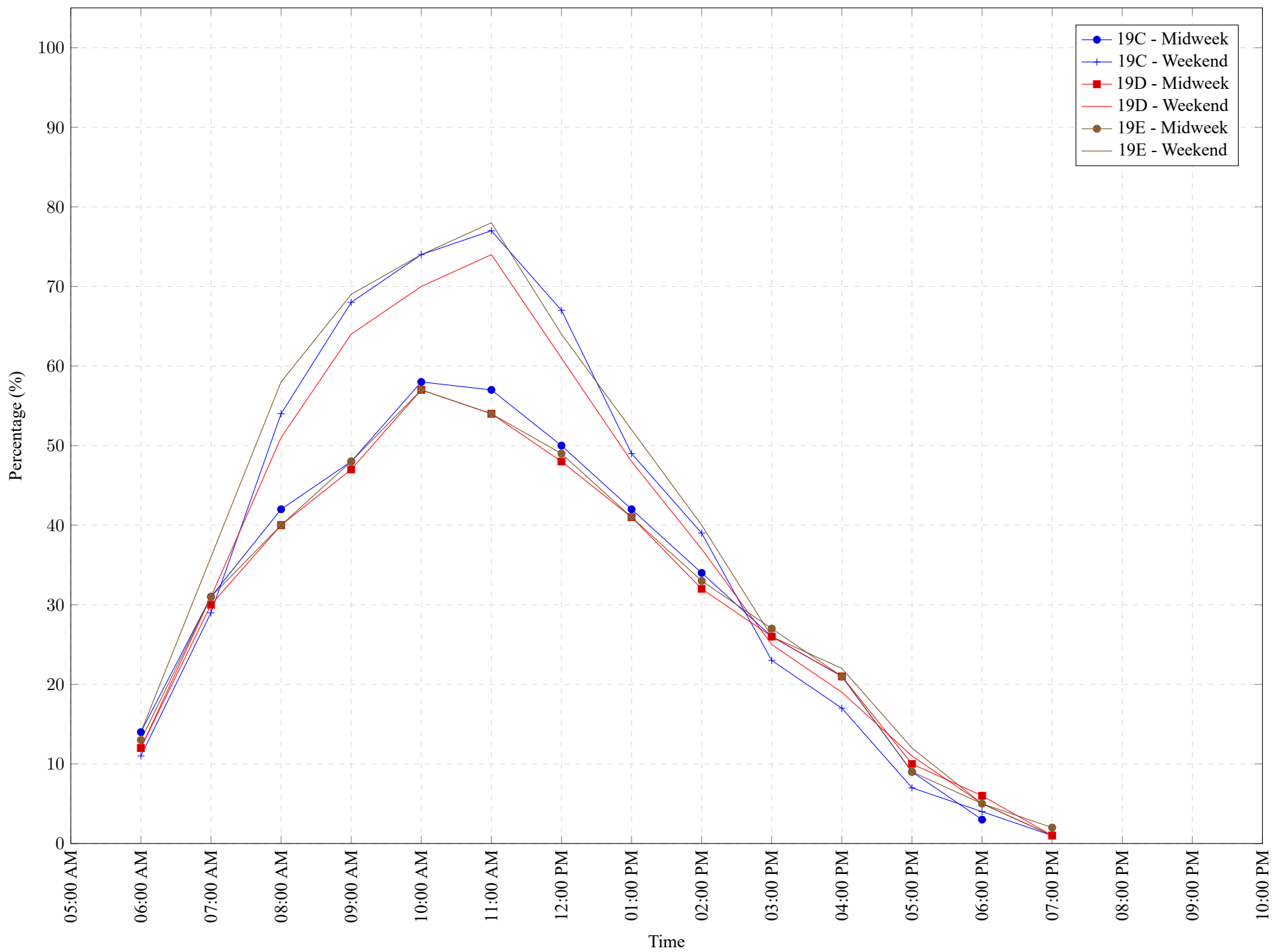


Table 7: Proportion of each day's fishing by hour.

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	14%	31%	42%	48%	58%	57%	50%	42%	34%	26%	21%	9%	3%	0%	0%	0%	0%
19C	Weekend	11%	29%	54%	68%	74%	77%	67%	49%	39%	23%	17%	7%	4%	1%	0%	0%	0%
19D	Midweek	12%	30%	40%	47%	57%	54%	48%	41%	32%	26%	21%	10%	6%	1%	0%	0%	0%
19D	Weekend	12%	31%	51%	64%	70%	74%	61%	48%	37%	25%	19%	11%	5%	1%	0%	0%	0%
19E	Midweek	13%	31%	40%	48%	57%	54%	49%	41%	33%	27%	21%	9%	5%	2%	0%	0%	0%
19E	Weekend	14%	36%	58%	69%	74%	78%	64%	52%	40%	26%	22%	12%	5%	1%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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