

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (JDF) August 2019



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



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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	
		AM	PM	AM	PM	AM	PM	AM	PM
29 Jul 2019	Midweek								1
30 Jul 2019	Midweek								
31 Jul 2019	Midweek								
01 Aug 2019	Midweek			13					
02 Aug 2019	Midweek					5			
03 Aug 2019	Weekend			19			18		
04 Aug 2019	Weekend								
05 Aug 2019	Weekend								
06 Aug 2019	Midweek								
07 Aug 2019	Midweek								3
08 Aug 2019	Midweek								
09 Aug 2019	Midweek						7		
10 Aug 2019	Weekend	1							
11 Aug 2019	Weekend				4				
12 Aug 2019	Midweek			12					
13 Aug 2019	Midweek								
14 Aug 2019	Midweek								
15 Aug 2019	Midweek								
16 Aug 2019	Midweek								
17 Aug 2019	Weekend								
18 Aug 2019	Weekend						3		
19 Aug 2019	Midweek						11		
20 Aug 2019	Midweek		1						
21 Aug 2019	Midweek								
22 Aug 2019	Midweek				8				
23 Aug 2019	Midweek								
24 Aug 2019	Weekend								4
25 Aug 2019	Weekend								
26 Aug 2019	Midweek								
27 Aug 2019	Midweek								
28 Aug 2019	Midweek							1	
29 Aug 2019	Midweek								
30 Aug 2019	Midweek					24			1
31 Aug 2019	Weekend					38			6
01 Sep 2019	Weekend								
02 Sep 2019	Weekend								
03 Sep 2019	Midweek								1

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-2019	Monday	frequent whitecaps	1							
30-Jul-2019	Tuesday		0					2	0942	4
31-Jul-2019	Wednesday		0							
01-Aug-2019	Thursday	calm/rippled	14	15				62	0944	120
02-Aug-2019	Friday	frequent whitecaps	5	4						
03-Aug-2019	Saturday	calm/rippled	38	12				82	0944	118
04-Aug-2019	Sunday		0							
05-Aug-2019	Monday (B.C. Day)		0					73	0926	105
06-Aug-2019	Tuesday		1	1						
07-Aug-2019	Wednesday	choppy	3	2				34	0952	66
08-Aug-2019	Thursday		0					14	0945	27
09-Aug-2019	Friday	choppy	7	3						
10-Aug-2019	Saturday	calm/rippled	2	1			1	59	0946	85
11-Aug-2019	Sunday	choppy	5	2						
12-Aug-2019	Monday	calm/rippled	12	5						
13-Aug-2019	Tuesday		1	1						
14-Aug-2019	Wednesday		1	1				39	0953	76
15-Aug-2019	Thursday		0							
16-Aug-2019	Friday		1	1						
17-Aug-2019	Saturday		1	1						
18-Aug-2019	Sunday	frequent whitecaps	3	1				12	0955	17
19-Aug-2019	Monday	frequent whitecaps	11	7						
20-Aug-2019	Tuesday	calm/rippled	3	2			1			
21-Aug-2019	Wednesday		0							
22-Aug-2019	Thursday	calm/rippled	10	5				82	0948	159
23-Aug-2019	Friday		0							
24-Aug-2019	Saturday	frequent whitecaps	4	2			1			
25-Aug-2019	Sunday		0							
26-Aug-2019	Monday		1	1						
27-Aug-2019	Tuesday		1	1						
28-Aug-2019	Wednesday	calm/rippled	1							
29-Aug-2019	Thursday		0							
30-Aug-2019	Friday	calm/rippled	26	18	1			8	0956	16
31-Aug-2019	Saturday	calm/rippled	44	39	2					
01-Sep-2019	Sunday		1	1				86	1045	140
02-Sep-2019	Monday (Labour Day)		1	1						
03-Sep-2019	Tuesday	calm/rippled	1							
	Totals	choppy	98	67	1		1	40*		77*
	Totals	choppy	97	58	2		2	57*		81*

* 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	77	21	1617	0.6840	0.01		0.01	1106	16		16
Weekend	81	10	810	0.5980	0.0210		0.0210	484	17		17

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	August	2542	383	59	33	585
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
5-Yr Avg	August	2454	867	42	21	275

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
Coho	55	100%	16%	0	0%		9
Chinook	425	24%	12%	605	35%	9%	53

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	184	0%
iRec Anglers	6631	12%
iRec Responses	127	4%

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

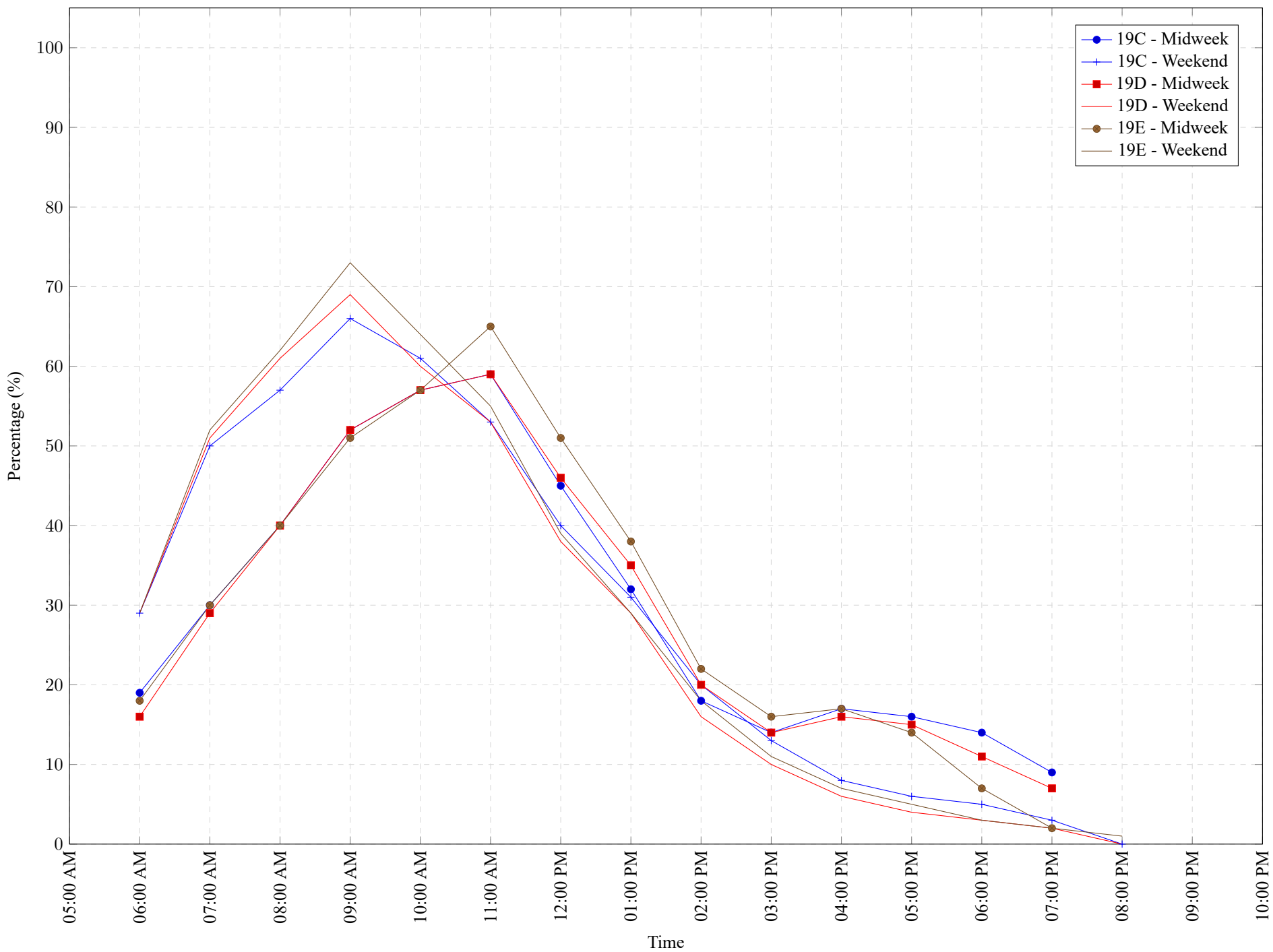


Table 7: Proportion of each day's fishing by hour.

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	19%	30%	40%	52%	57%	59%	45%	32%	18%	14%	17%	16%	14%	9%	0%	0%	0%
19C	Weekend	29%	50%	57%	66%	61%	53%	40%	31%	20%	13%	8%	6%	5%	3%	0%	0%	0%
19D	Midweek	16%	29%	40%	52%	57%	59%	46%	35%	20%	14%	16%	15%	11%	7%	0%	0%	0%
19D	Weekend	29%	51%	61%	69%	60%	53%	38%	29%	16%	10%	6%	4%	3%	2%	0%	0%	0%
19E	Midweek	18%	30%	40%	51%	57%	65%	51%	38%	22%	16%	17%	14%	7%	2%	0%	0%	0%
19E	Weekend	29%	52%	62%	73%	64%	55%	39%	29%	18%	11%	7%	5%	3%	2%	1%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Becher Bay	Cattle Point	Flemming	Pedder Bay
29 Jul 2019	Midweek				frequent whitecaps
30 Jul 2019	Midweek				
31 Jul 2019	Midweek				
01 Aug 2019	Midweek		calm/rippled		
02 Aug 2019	Midweek			frequent whitecaps	
03 Aug 2019	Weekend		calm/rippled	calm/rippled	
04 Aug 2019	Weekend				
05 Aug 2019	Weekend				
06 Aug 2019	Midweek				
07 Aug 2019	Midweek				choppy
08 Aug 2019	Midweek				
09 Aug 2019	Midweek			choppy	
10 Aug 2019	Weekend	calm/rippled			
11 Aug 2019	Weekend		choppy		
12 Aug 2019	Midweek		calm/rippled		
13 Aug 2019	Midweek				
14 Aug 2019	Midweek				
15 Aug 2019	Midweek				
16 Aug 2019	Midweek				
17 Aug 2019	Weekend				
18 Aug 2019	Weekend			frequent whitecaps	
19 Aug 2019	Midweek			frequent whitecaps	
20 Aug 2019	Midweek	calm/rippled			
21 Aug 2019	Midweek				
22 Aug 2019	Midweek		calm/rippled		
23 Aug 2019	Midweek				
24 Aug 2019	Weekend				frequent whitecaps
25 Aug 2019	Weekend				
26 Aug 2019	Midweek				
27 Aug 2019	Midweek				
28 Aug 2019	Midweek				calm/rippled
29 Aug 2019	Midweek				
30 Aug 2019	Midweek			calm/rippled	choppy
31 Aug 2019	Weekend			calm/rippled	calm/rippled
01 Sep 2019	Weekend				
02 Sep 2019	Weekend				
03 Sep 2019	Midweek				calm/rippled