

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (JDF) September 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		Jock's Dock (Crab Shack)	Pedder Bay	
		AM	AM	PM	AM	PM	PM	AM	PM
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
04 Sep 2019	Midweek								
05 Sep 2019	Midweek								
06 Sep 2019	Midweek			2					
07 Sep 2019	Weekend								
08 Sep 2019	Weekend								
09 Sep 2019	Midweek	1				6			
10 Sep 2019	Midweek								
11 Sep 2019	Midweek								
12 Sep 2019	Midweek								
13 Sep 2019	Midweek								
14 Sep 2019	Weekend								3
15 Sep 2019	Weekend			4					
16 Sep 2019	Midweek						1		
17 Sep 2019	Midweek								
18 Sep 2019	Midweek								
19 Sep 2019	Midweek					6			
20 Sep 2019	Midweek							7	
21 Sep 2019	Weekend								
22 Sep 2019	Weekend					7			
23 Sep 2019	Midweek								
24 Sep 2019	Midweek								
25 Sep 2019	Midweek								
26 Sep 2019	Midweek		1						
27 Sep 2019	Midweek				2				
28 Sep 2019	Weekend						1		
29 Sep 2019	Weekend				8				
30 Sep 2019	Midweek								
01 Oct 2019	Midweek								
02 Oct 2019	Midweek								
03 Oct 2019	Midweek		3						

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-2019	Thursday		0							
30-Aug-2019	Friday	calm/rippled	26	18	1			8	0956	26
31-Aug-2019	Saturday	calm/rippled	44	39	2					
01-Sep-2019	Sunday		1	1				86	1045	153
02-Sep-2019	Monday (Labour Day)		1	1						
03-Sep-2019	Tuesday	calm/rippled	1							
04-Sep-2019	Wednesday		0							
05-Sep-2019	Thursday		0					57	1054	143
06-Sep-2019	Friday	choppy	3	1						
07-Sep-2019	Saturday		1	1						
08-Sep-2019	Sunday		0					49	1035	86
09-Sep-2019	Monday	calm/rippled	7							
10-Sep-2019	Tuesday		1	1						
11-Sep-2019	Wednesday		0							
12-Sep-2019	Thursday		0					33	1049	84
13-Sep-2019	Friday		0							
14-Sep-2019	Saturday	calm/rippled	3				2	43	1350	90
15-Sep-2019	Sunday	calm/rippled	4	2						
16-Sep-2019	Monday	calm/rippled	1				1			
17-Sep-2019	Tuesday		0							
18-Sep-2019	Wednesday		0							
19-Sep-2019	Thursday	calm/rippled	6	1						
20-Sep-2019	Friday	calm/rippled	7				4	66	1049	166
21-Sep-2019	Saturday		1	1				93	1315	196
22-Sep-2019	Sunday	calm/rippled	7		2		1			
23-Sep-2019	Monday		0					1	1054	3
24-Sep-2019	Tuesday		0							
25-Sep-2019	Wednesday		1	1						
26-Sep-2019	Thursday	calm/rippled	1							
27-Sep-2019	Friday	frequent whitecaps	2	1						
28-Sep-2019	Saturday	choppy	1							
29-Sep-2019	Sunday	choppy	8		1					
30-Sep-2019	Monday		0							
01-Oct-2019	Tuesday		0							
02-Oct-2019	Wednesday		0							
03-Oct-2019	Thursday	choppy	3							
	Totals	calm/rippled	30	5			5	39*		99*
	Totals	calm/rippled	27	6	3		3	68*		131*

* 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	131	10	1310	0.2220	0.1110		0.1110	291	145		145
Midweek	99	20	1980	0.1670			0.1670	331			331

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	September	1609	240	426	10	594
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
5-Yr Avg	September	1798	721	193	10	327

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	81	100%	12%	454	100%	2%	10
Chinook	82	29%	13%	757	57%	1%	11

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	52	2%
iRec Anglers	4076	16%
iRec Responses	63	2%

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

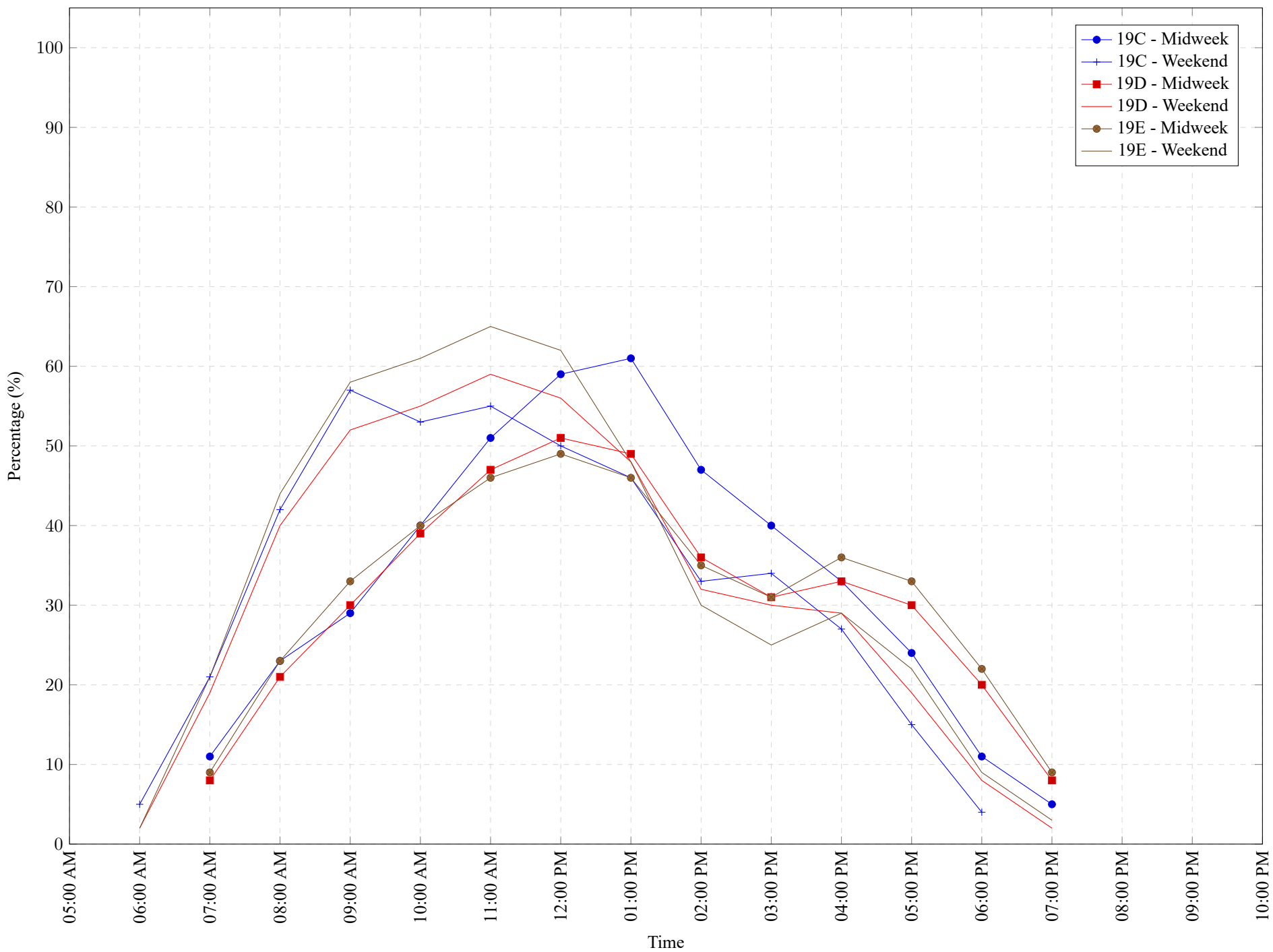


Table 7: Proportion of each day's fishing by hour.

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	0%	11%	23%	29%	40%	51%	59%	61%	47%	40%	33%	24%	11%	5%	0%	0%	0%
19C	Weekend	5%	21%	42%	57%	53%	55%	50%	46%	33%	34%	27%	15%	4%	0%	0%	0%	0%
19D	Midweek	0%	8%	21%	30%	39%	47%	51%	49%	36%	31%	33%	30%	20%	8%	0%	0%	0%
19D	Weekend	2%	19%	40%	52%	55%	59%	56%	48%	32%	30%	29%	19%	8%	2%	0%	0%	0%
19E	Midweek	0%	9%	23%	33%	40%	46%	49%	46%	35%	31%	36%	33%	22%	9%	0%	0%	0%
19E	Weekend	2%	21%	44%	58%	61%	65%	62%	48%	30%	25%	29%	22%	9%	3%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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