

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (JDF) July 2019



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



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Canada

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Canada



Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

Date	Day Type	Becher Bay AM	Cattle Point AM PM	Flemming AM PM	Pedder Bay PM
28 Jun 2019	Midweek				
29 Jun 2019	Weekend			4	
30 Jun 2019	Weekend				
01 Jul 2019	Weekend				
02 Jul 2019	Midweek				
03 Jul 2019	Midweek				
04 Jul 2019	Midweek				
05 Jul 2019	Midweek			1	
06 Jul 2019	Weekend				3
07 Jul 2019	Weekend				
08 Jul 2019	Midweek				
09 Jul 2019	Midweek				
10 Jul 2019	Midweek		2		
11 Jul 2019	Midweek				
12 Jul 2019	Midweek				
13 Jul 2019	Weekend	1			1
14 Jul 2019	Weekend			3	
15 Jul 2019	Midweek				2
16 Jul 2019	Midweek				
17 Jul 2019	Midweek				
18 Jul 2019	Midweek				
19 Jul 2019	Midweek				
20 Jul 2019	Weekend			2	
21 Jul 2019	Weekend				5
22 Jul 2019	Midweek		2		
23 Jul 2019	Midweek				
24 Jul 2019	Midweek				
25 Jul 2019	Midweek				
26 Jul 2019	Midweek				
27 Jul 2019	Weekend				
28 Jul 2019	Weekend		13		
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

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-2019	Friday		0							
29-Jun-2019	Saturday	choppy	4					42	1051	78
30-Jun-2019	Sunday		0							
01-Jul-2019	Monday (Canada Day)		0							
02-Jul-2019	Tuesday		0							
03-Jul-2019	Wednesday		0							
04-Jul-2019	Thursday		0					4	0947	9
05-Jul-2019	Friday	frequent whitecaps	1							
06-Jul-2019	Saturday	choppy	3					17	0946	41
07-Jul-2019	Sunday		0							
08-Jul-2019	Monday		0							
09-Jul-2019	Tuesday		0					52	0946	111
10-Jul-2019	Wednesday	choppy	2							
11-Jul-2019	Thursday		0							
12-Jul-2019	Friday		0							
13-Jul-2019	Saturday	frequent whitecaps	2				1	15	0943	37
14-Jul-2019	Sunday	frequent whitecaps	3					24	0944	58
15-Jul-2019	Monday	choppy	2							
16-Jul-2019	Tuesday		0							
17-Jul-2019	Wednesday		0							
18-Jul-2019	Thursday		0					1	0951	2
19-Jul-2019	Friday		0					8	0942	17
20-Jul-2019	Saturday	calm/rippled	2							
21-Jul-2019	Sunday	calm/rippled	5				3	51	0946	124
22-Jul-2019	Monday	frequent whitecaps	2							
23-Jul-2019	Tuesday		0							
24-Jul-2019	Wednesday		0							
25-Jul-2019	Thursday		0					54	0946	115
26-Jul-2019	Friday		0							
27-Jul-2019	Saturday		0							
28-Jul-2019	Sunday	calm/rippled	13					60	0937	145
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	132
02-Aug-2019	Friday	frequent whitecaps	5	4						
03-Aug-2019	Saturday	calm/rippled	38	12				82	0944	198
	Totals	frequent whitecaps	8					20*		43*
	Totals	choppy	28				4	33*		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	43	22	946								
Weekend	81	9	729				0.1430				104

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	July	1486	352			108
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
5-Yr Avg	July	1868	458	14	12	188

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	36	3%
iRec Anglers	3653	17%
iRec Responses	79	3%

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

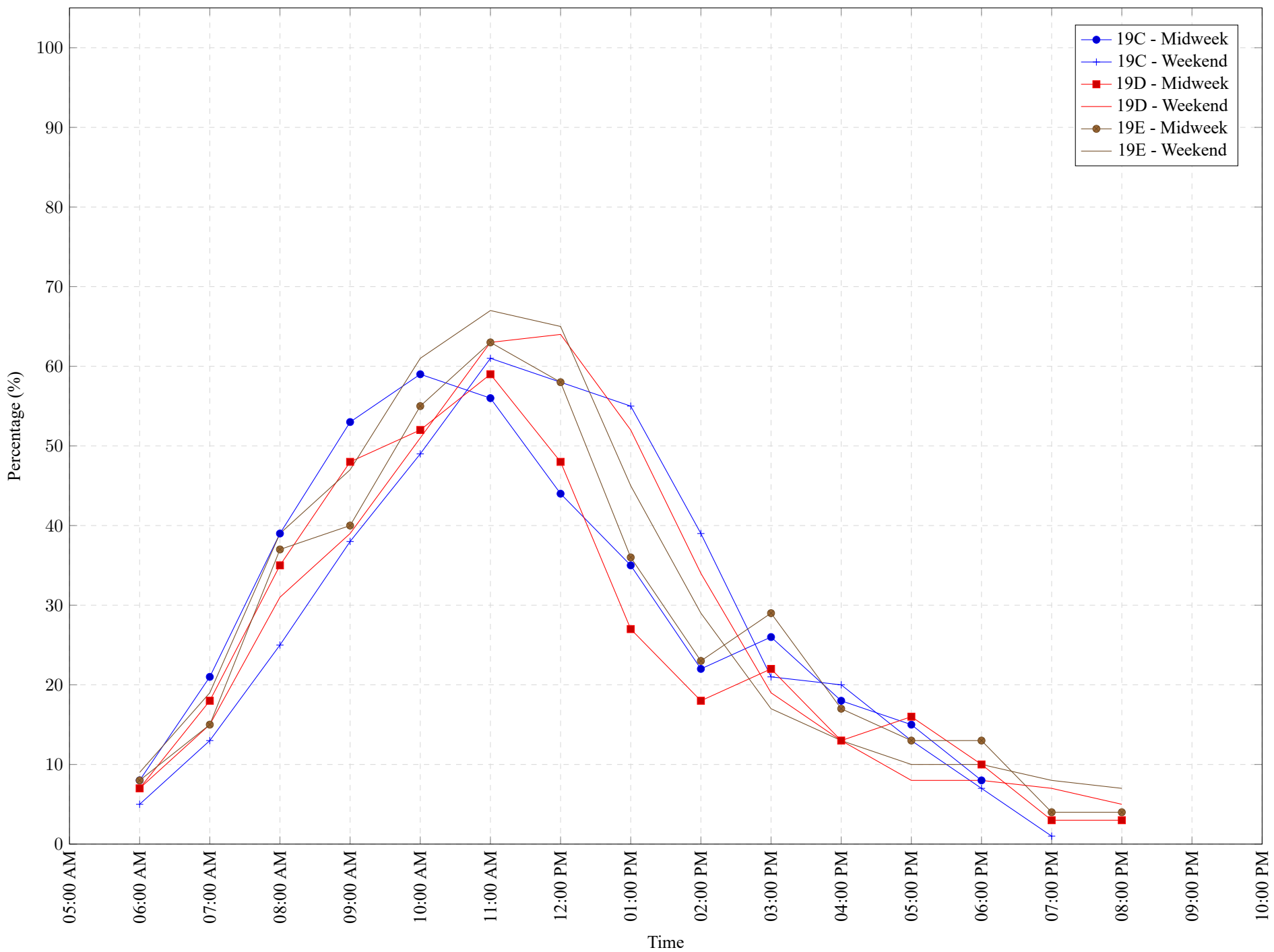


Table 7: Proportion of each day's fishing by hour.

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	8%	21%	39%	53%	59%	56%	44%	35%	22%	26%	18%	15%	8%	0%	0%	0%	0%
19C	Weekend	5%	13%	25%	38%	49%	61%	58%	55%	39%	21%	20%	13%	7%	1%	0%	0%	0%
19D	Midweek	7%	18%	35%	48%	52%	59%	48%	27%	18%	22%	13%	16%	10%	3%	3%	0%	0%
19D	Weekend	7%	15%	31%	39%	51%	63%	64%	52%	34%	19%	13%	8%	8%	7%	5%	0%	0%
19E	Midweek	8%	15%	37%	40%	55%	63%	58%	36%	23%	29%	17%	13%	13%	4%	4%	0%	0%
19E	Weekend	9%	19%	39%	47%	61%	67%	65%	45%	29%	17%	13%	10%	10%	8%	7%	0%	0%

Table 8: Daily Fishing Conditions.

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