

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (JDF) September 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Friday 11th February, 2022



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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	Prestige Hotel Ramp
		PM	AM	PM	AM	PM	PM	AM
29 Aug 2021	Weekend		15			20		
30 Aug 2021	Midweek							
31 Aug 2021	Midweek			3				
01 Sep 2021	Midweek			2				
02 Sep 2021	Midweek							
03 Sep 2021	Midweek	1						
04 Sep 2021	Weekend					32		
05 Sep 2021	Weekend							
06 Sep 2021	Weekend					40		
07 Sep 2021	Midweek							
08 Sep 2021	Midweek							
09 Sep 2021	Midweek							
10 Sep 2021	Midweek							
11 Sep 2021	Weekend						10	
12 Sep 2021	Weekend							
13 Sep 2021	Midweek					14		1
14 Sep 2021	Midweek		2					
15 Sep 2021	Midweek							
16 Sep 2021	Midweek							
17 Sep 2021	Midweek							
18 Sep 2021	Weekend				7			
19 Sep 2021	Weekend							
20 Sep 2021	Midweek				5			
21 Sep 2021	Midweek							
22 Sep 2021	Midweek					2		
23 Sep 2021	Midweek							
24 Sep 2021	Midweek					17		
25 Sep 2021	Weekend							
26 Sep 2021	Weekend			1				
27 Sep 2021	Midweek							
28 Sep 2021	Midweek							
29 Sep 2021	Midweek							
30 Sep 2021	Midweek							
01 Oct 2021	Midweek							
02 Oct 2021	Weekend			3				
03 Oct 2021	Weekend						2	

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-2021	Sunday	choppy	35	4						
30-Aug-2021	Monday		0					0	0924	0
31-Aug-2021	Tuesday	choppy	3							
01-Sep-2021	Wednesday	choppy	2							
02-Sep-2021	Thursday		0							
03-Sep-2021	Friday	calm/rippled	1							
04-Sep-2021	Saturday	calm/rippled	32	16	1		1	69	1019	122
05-Sep-2021	Sunday		0							
06-Sep-2021	Monday (Labour Day)	calm/rippled	40	9	2			17	1025	30
07-Sep-2021	Tuesday		0							
08-Sep-2021	Wednesday		0					16	1046	38
09-Sep-2021	Thursday		0							
10-Sep-2021	Friday		0							
11-Sep-2021	Saturday	calm/rippled	10				1			
12-Sep-2021	Sunday		0					29	1025	51
13-Sep-2021	Monday	calm/rippled	15		1					
14-Sep-2021	Tuesday	calm/rippled	2							
15-Sep-2021	Wednesday		0					5	1035	12
16-Sep-2021	Thursday		0					20	1021	48
17-Sep-2021	Friday		0							
18-Sep-2021	Saturday	choppy	7				2	18	1018	33
19-Sep-2021	Sunday		0							
20-Sep-2021	Monday	calm/rippled	5		1					
21-Sep-2021	Tuesday		0							
22-Sep-2021	Wednesday	choppy	2					3	1032	7
23-Sep-2021	Thursday		0							
24-Sep-2021	Friday	calm/rippled	17		2		3			
25-Sep-2021	Saturday		0					45	0932	90
26-Sep-2021	Sunday	choppy	1							
27-Sep-2021	Monday		0					15	1009	36
28-Sep-2021	Tuesday		0							
29-Sep-2021	Wednesday		0							
30-Sep-2021	Thursday		0							
01-Oct-2021	Friday		0							
02-Oct-2021	Saturday	choppy	3		1					
03-Oct-2021	Sunday	frequent whitecaps	2				2	17	0944	34
	Totals	calm/rippled	44		4		3	12*		28*
	Totals	calm/rippled	90	25	3		4	36*		65*

* 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	28	21	588		0.091		0.068		54		40
Weekend	65	9	585	0.278	0.033		0.044	163	19		26

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2021	September	1178	208	87	0	68
5-Yr Avg	September	2138	411	152		316

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	63%	53%	185	98%	16%	29
Chinook	69	33%	17%	196	68%	6%	12

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	134	1%
iRec Anglers	2205	7%

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

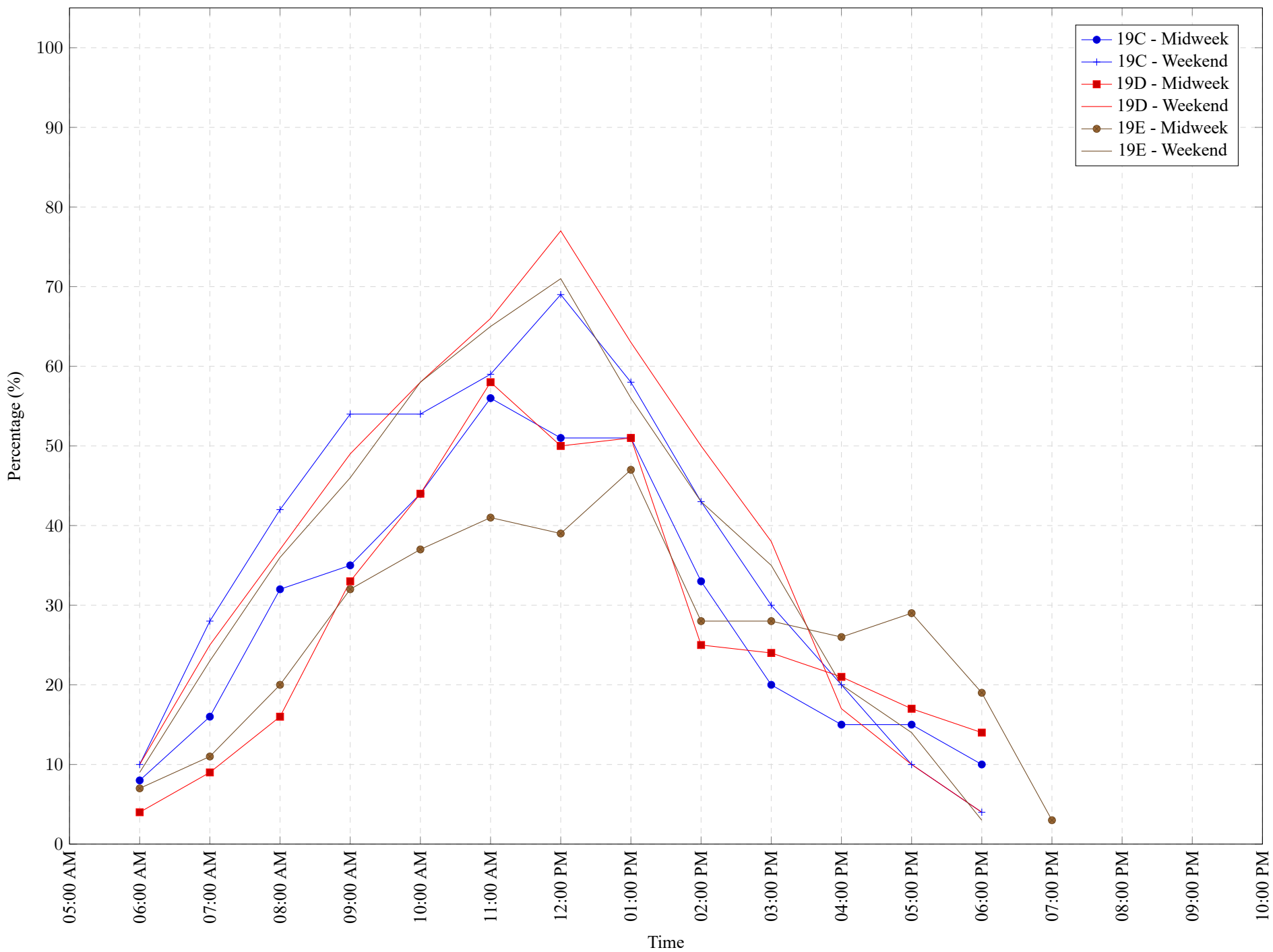


Table 7: Proportion of each day's fishing by hour.

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%	16%	32%	35%	44%	56%	51%	51%	33%	20%	15%	15%	10%	0%	0%	0%	0%
19C	Weekend	10%	28%	42%	54%	54%	59%	69%	58%	43%	30%	20%	10%	4%	0%	0%	0%	0%
19D	Midweek	4%	9%	16%	33%	44%	58%	50%	51%	25%	24%	21%	17%	14%	0%	0%	0%	0%
19D	Weekend	10%	25%	37%	49%	58%	66%	77%	63%	50%	38%	17%	10%	4%	0%	0%	0%	0%
19E	Midweek	7%	11%	20%	32%	37%	41%	39%	47%	28%	28%	26%	29%	19%	3%	0%	0%	0%
19E	Weekend	9%	23%	36%	46%	58%	65%	71%	56%	43%	35%	20%	14%	3%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Becher Bay	Cattle Point	Flemming	Pedder Bay	Prestige Hotel Ramp
29 Aug 2021	Weekend		calm/rippled	frequent whitecaps		
30 Aug 2021	Midweek					
31 Aug 2021	Midweek		choppy			
01 Sep 2021	Midweek		choppy			
02 Sep 2021	Midweek					
03 Sep 2021	Midweek	calm/rippled				
04 Sep 2021	Weekend			calm/rippled		
05 Sep 2021	Weekend					
06 Sep 2021	Weekend			calm/rippled		
07 Sep 2021	Midweek					
08 Sep 2021	Midweek					
09 Sep 2021	Midweek					
10 Sep 2021	Midweek					
11 Sep 2021	Weekend				calm/rippled	
12 Sep 2021	Weekend					
13 Sep 2021	Midweek			calm/rippled		calm/rippled
14 Sep 2021	Midweek		calm/rippled			
15 Sep 2021	Midweek					
16 Sep 2021	Midweek					
17 Sep 2021	Midweek					
18 Sep 2021	Weekend			choppy		
19 Sep 2021	Weekend					
20 Sep 2021	Midweek			calm/rippled		
21 Sep 2021	Midweek					
22 Sep 2021	Midweek			choppy		
23 Sep 2021	Midweek					
24 Sep 2021	Midweek			calm/rippled		
25 Sep 2021	Weekend					
26 Sep 2021	Weekend		choppy			
27 Sep 2021	Midweek					
28 Sep 2021	Midweek					
29 Sep 2021	Midweek					
30 Sep 2021	Midweek					
01 Oct 2021	Midweek					
02 Oct 2021	Weekend		choppy			
03 Oct 2021	Weekend				frequent whitecaps	