

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (JDF) August 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 10th 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	
		AM	PM	AM	PM	AM	PM	AM	PM
29 Jul 2021	Midweek								
30 Jul 2021	Midweek			6					4
31 Jul 2021	Weekend	1							17
01 Aug 2021	Weekend								
02 Aug 2021	Weekend		1					1	
03 Aug 2021	Midweek								
04 Aug 2021	Midweek								
05 Aug 2021	Midweek								
06 Aug 2021	Midweek								
07 Aug 2021	Weekend			13					
08 Aug 2021	Weekend					18			
09 Aug 2021	Midweek						9		
10 Aug 2021	Midweek								
11 Aug 2021	Midweek								
12 Aug 2021	Midweek								
13 Aug 2021	Midweek			9					
14 Aug 2021	Weekend					23			
15 Aug 2021	Weekend								
16 Aug 2021	Midweek								
17 Aug 2021	Midweek								
18 Aug 2021	Midweek								
19 Aug 2021	Midweek								
20 Aug 2021	Midweek				4				1
21 Aug 2021	Weekend						16		
22 Aug 2021	Weekend								
23 Aug 2021	Midweek					30			
24 Aug 2021	Midweek								
25 Aug 2021	Midweek								
26 Aug 2021	Midweek			6					
27 Aug 2021	Midweek								
28 Aug 2021	Weekend				8				
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						

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-2021	Thursday		0							
30-Jul-2021	Friday	choppy	10				1			
31-Jul-2021	Saturday	frequent whitecaps	18				8			
01-Aug-2021	Sunday		0							
02-Aug-2021	Monday (B.C. Day)	choppy	2							
03-Aug-2021	Tuesday		0					51	0849	130
04-Aug-2021	Wednesday		0							
05-Aug-2021	Thursday		0					17	0900	39
06-Aug-2021	Friday		0							
07-Aug-2021	Saturday	calm/rippled	13	6				60	0855	123
08-Aug-2021	Sunday	choppy	18	3				32	0910	56
09-Aug-2021	Monday	choppy	9	3				44	0924	91
10-Aug-2021	Tuesday		0							
11-Aug-2021	Wednesday		0							
12-Aug-2021	Thursday		0							
13-Aug-2021	Friday	calm/rippled	9							
14-Aug-2021	Saturday	frequent whitecaps	23	4	2			11	0925	19
15-Aug-2021	Sunday		0							
16-Aug-2021	Monday		0					10	0856	24
17-Aug-2021	Tuesday		0							
18-Aug-2021	Wednesday		0					33	1122	64
19-Aug-2021	Thursday		0							
20-Aug-2021	Friday	calm/rippled	5							
21-Aug-2021	Saturday	frequent whitecaps	16	5						
22-Aug-2021	Sunday		0					7	0920	12
23-Aug-2021	Monday	calm/rippled	30	12	1					
24-Aug-2021	Tuesday		0					42	0915	86
25-Aug-2021	Wednesday		0							
26-Aug-2021	Thursday	calm/rippled	6	2						
27-Aug-2021	Friday		0							
28-Aug-2021	Saturday	choppy	8				1	93	0836	204
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							
	Totals	calm/rippled	62	17	1			28*		62*
	Totals	choppy	115	22	2		1	41*		83*

* 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	62	21	1302	0.274	0.016			357	21		
Weekend	83	10	830	0.191	0.017		0.009	159	14		7

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2020	August	2535	559	40		146
2021	August	2034	536	38	0	8
5-Yr Avg	August	2473	997	42	13	140

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
Chinook	92	17%	58%	555	53%	10%	53

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	177	0%
iRec Anglers	3528	11%

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

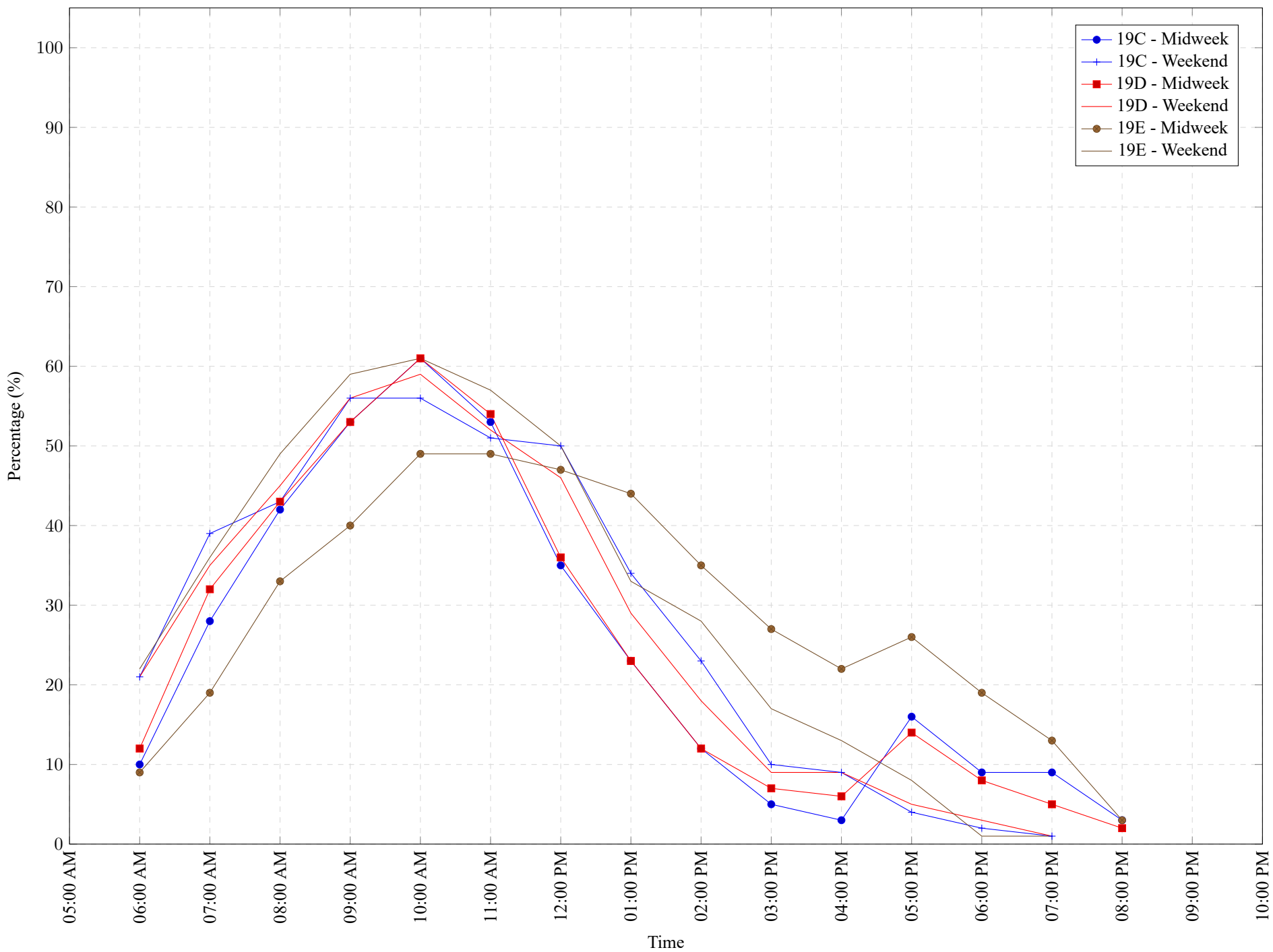


Table 7: Proportion of each day's fishing by hour.

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	10%	28%	42%	53%	61%	53%	35%	23%	12%	5%	3%	16%	9%	9%	3%	0%	0%
19C	Weekend	21%	39%	43%	56%	56%	51%	50%	34%	23%	10%	9%	4%	2%	1%	0%	0%	0%
19D	Midweek	12%	32%	43%	53%	61%	54%	36%	23%	12%	7%	6%	14%	8%	5%	2%	0%	0%
19D	Weekend	21%	35%	45%	56%	59%	52%	46%	29%	18%	9%	9%	5%	3%	1%	0%	0%	0%
19E	Midweek	9%	19%	33%	40%	49%	49%	47%	44%	35%	27%	22%	26%	19%	13%	3%	0%	0%
19E	Weekend	22%	36%	49%	59%	61%	57%	50%	33%	28%	17%	13%	8%	1%	1%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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