

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (JDF) July 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		Sidney
		AM	PM	AM	PM	AM	PM	AM	PM	AM
28 Jun 2021	Midweek							2		
29 Jun 2021	Midweek									
30 Jun 2021	Midweek									
01 Jul 2021	Weekend									
02 Jul 2021	Midweek		5	13						
03 Jul 2021	Weekend						16			
04 Jul 2021	Weekend				12		9			
05 Jul 2021	Midweek									
06 Jul 2021	Midweek						2			
07 Jul 2021	Midweek									
08 Jul 2021	Midweek									
09 Jul 2021	Midweek						4			
10 Jul 2021	Weekend			4						
11 Jul 2021	Weekend			8					2	
12 Jul 2021	Midweek					6		1		
13 Jul 2021	Midweek									
14 Jul 2021	Midweek									
15 Jul 2021	Midweek									
16 Jul 2021	Midweek									1
17 Jul 2021	Weekend		5					20		
18 Jul 2021	Weekend					9				
19 Jul 2021	Midweek									
20 Jul 2021	Midweek									
21 Jul 2021	Midweek				1					
22 Jul 2021	Midweek									
23 Jul 2021	Midweek									
24 Jul 2021	Weekend				9					
25 Jul 2021	Weekend									
26 Jul 2021	Midweek					4				
27 Jul 2021	Midweek							1		
28 Jul 2021	Midweek									
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									

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-2021	Monday	choppy	2							
29-Jun-2021	Tuesday		0							
30-Jun-2021	Wednesday		0							
01-Jul-2021	Thursday (Canada Day)		1				6			
02-Jul-2021	Friday	calm/rippled	18				6	44	1144	121
03-Jul-2021	Saturday	choppy	16				2	43	1147	104
04-Jul-2021	Sunday	choppy	21		1		2	43	0958	72
05-Jul-2021	Monday		0							
06-Jul-2021	Tuesday	choppy	2					1	1302	3
07-Jul-2021	Wednesday		0							
08-Jul-2021	Thursday		0					8	1049	15
09-Jul-2021	Friday	choppy	4							
10-Jul-2021	Saturday	choppy	4							
11-Jul-2021	Sunday	calm/rippled	10					11	1025	16
12-Jul-2021	Monday	choppy	7							
13-Jul-2021	Tuesday		0							
14-Jul-2021	Wednesday		0							
15-Jul-2021	Thursday		0					2	1034	4
16-Jul-2021	Friday	frequent whitecaps	2				2			
17-Jul-2021	Saturday	choppy	25				10	87	1008	128
18-Jul-2021	Sunday	frequent whitecaps	9				4	13	1002	20
19-Jul-2021	Monday		0							
20-Jul-2021	Tuesday		0							
21-Jul-2021	Wednesday	frequent whitecaps	1					3	1059	6
22-Jul-2021	Thursday		0							
23-Jul-2021	Friday		0							
24-Jul-2021	Saturday	calm/rippled	9							
25-Jul-2021	Sunday		0					10	1035	14
26-Jul-2021	Monday	choppy	4							
27-Jul-2021	Tuesday	choppy	1							
28-Jul-2021	Wednesday		0					18	1037	32
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	132
	Totals	choppy	49				9	13*		30*
	Totals	choppy	113		1		32	35*		59*

* 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	59	10	590		0.009		0.283		5		167
Midweek	30	21	630				0.184				116

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	July	1618	117			198
2017	July	1242	198	1	14	47
2018	July	2576	735			269
2019	July	1458	0	85	0	93
2020	July	995	0	37		263
2021	July	1419	0	8		333
5-Yr Avg	July	1578	210	41	7	174

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	8	100%	25%	77	100%	3%	2
Chinook	0	0%		33	100%	6%	2

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	160	1%
iRec Anglers	2323	8%

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

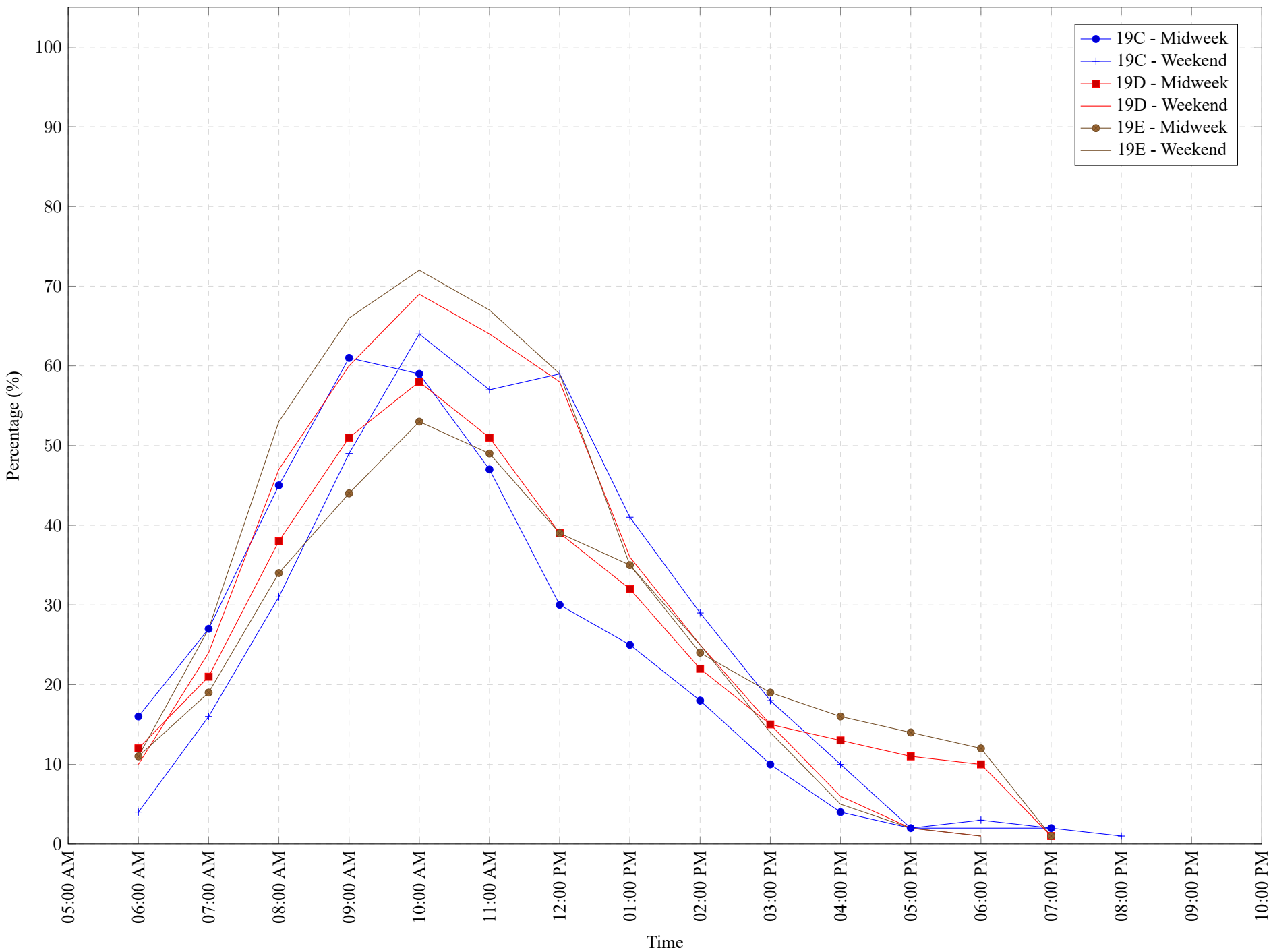


Table 7: Proportion of each day's fishing by hour.

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	16%	27%	45%	61%	59%	47%	30%	25%	18%	10%	4%	2%	0%	2%	0%	0%	0%
19C	Weekend	4%	16%	31%	49%	64%	57%	59%	41%	29%	18%	10%	2%	3%	2%	1%	0%	0%
19D	Midweek	12%	21%	38%	51%	58%	51%	39%	32%	22%	15%	13%	11%	10%	1%	0%	0%	0%
19D	Weekend	10%	24%	47%	60%	69%	64%	58%	36%	25%	15%	6%	2%	1%	0%	0%	0%	0%
19E	Midweek	11%	19%	34%	44%	53%	49%	39%	35%	24%	19%	16%	14%	12%	1%	0%	0%	0%
19E	Weekend	11%	27%	53%	66%	72%	67%	59%	35%	25%	14%	5%	2%	1%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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