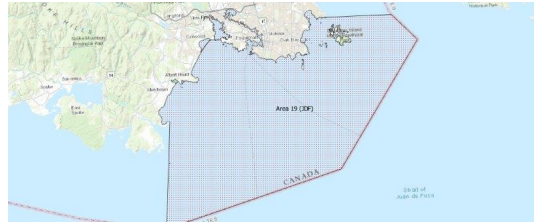


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (JDF) August 2022



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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	
		PM	AM	PM	AM	PM	AM	PM
29 Jul 2022	Midweek							
30 Jul 2022	Weekend					5		4
31 Jul 2022	Weekend			12				
01 Aug 2022	Weekend							
02 Aug 2022	Midweek				16			
03 Aug 2022	Midweek							
04 Aug 2022	Midweek							
05 Aug 2022	Midweek	1						
06 Aug 2022	Weekend		13					
07 Aug 2022	Weekend			5		19		
08 Aug 2022	Midweek			6				
09 Aug 2022	Midweek							2
10 Aug 2022	Midweek							
11 Aug 2022	Midweek		3					
12 Aug 2022	Midweek							
13 Aug 2022	Weekend			13				3
14 Aug 2022	Weekend					20		
15 Aug 2022	Midweek					5	1	
16 Aug 2022	Midweek			7				
17 Aug 2022	Midweek	1						
18 Aug 2022	Midweek				24			
19 Aug 2022	Midweek		5					
20 Aug 2022	Weekend			9				
21 Aug 2022	Weekend							
22 Aug 2022	Midweek							1
23 Aug 2022	Midweek			4				
24 Aug 2022	Midweek							
25 Aug 2022	Midweek					7		
26 Aug 2022	Midweek							
27 Aug 2022	Weekend						1	
28 Aug 2022	Weekend				29			
29 Aug 2022	Midweek					22		
30 Aug 2022	Midweek							
31 Aug 2022	Midweek							
01 Sep 2022	Midweek							
02 Sep 2022	Midweek		7					1
03 Sep 2022	Weekend		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-2022	Friday		0							
30-Jul-2022	Saturday	calm/rippled	9					21	1014	37
31-Jul-2022	Sunday	choppy	12							
01-Aug-2022	Monday (B.C. Day)		0					17	0957	36
02-Aug-2022	Tuesday	frequent whitecaps	16	11	1			23	1018	46
03-Aug-2022	Wednesday		0							
04-Aug-2022	Thursday		0							
05-Aug-2022	Friday	calm/rippled	1							
06-Aug-2022	Saturday	calm/rippled	13	5	1					
07-Aug-2022	Sunday	calm/rippled	24	2		1	4	73	1018	129
08-Aug-2022	Monday	calm/rippled	6	2						
09-Aug-2022	Tuesday	choppy	2							
10-Aug-2022	Wednesday		0							
11-Aug-2022	Thursday	calm/rippled	3	1						
12-Aug-2022	Friday		0					38	1012	76
13-Aug-2022	Saturday	calm/rippled	16					71	1012	126
14-Aug-2022	Sunday	choppy	20	3						
15-Aug-2022	Monday	frequent whitecaps	6				1			
16-Aug-2022	Tuesday	calm/rippled	7	1						
17-Aug-2022	Wednesday	calm/rippled	1							
18-Aug-2022	Thursday	calm/rippled	24	12			5	83	1012	166
19-Aug-2022	Friday	calm/rippled	5	1						
20-Aug-2022	Saturday	calm/rippled	10	1			1			
21-Aug-2022	Sunday		0					50	1012	88
22-Aug-2022	Monday	choppy	1							
23-Aug-2022	Tuesday	choppy	4					30	1007	60
24-Aug-2022	Wednesday		0							
25-Aug-2022	Thursday	frequent whitecaps	7	4						
26-Aug-2022	Friday		0							
27-Aug-2022	Saturday	frequent whitecaps	1					29	1013	51
28-Aug-2022	Sunday	calm/rippled	29	31						
29-Aug-2022	Monday	calm/rippled	22	10	2			49	1015	98
30-Aug-2022	Tuesday		0							
31-Aug-2022	Wednesday		0							
01-Sep-2022	Thursday		0					23	1107	46
02-Sep-2022	Friday	calm/rippled	8	4	1					
03-Sep-2022	Saturday	frequent whitecaps	1					19	1117	33
	Totals	choppy	105	42	3		6	45*		89*
	Totals	calm/rippled	113	42	1	1	5	48*		86*

* 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	89	22	1958	0.4	0.029		0.057	783	57		112
Weekend	86	9	774	0.372	0.009	0.009	0.044	288	7	7	34

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2022	August	2730	1179	68	8	158
5-Yr Avg	August	2485	994	33	11	102

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	68	100%	18%	53	84%	23%	12
Chinook	330	28%	21%	298	30%	23%	68

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	217	0%
iRec Anglers	4340	12%

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

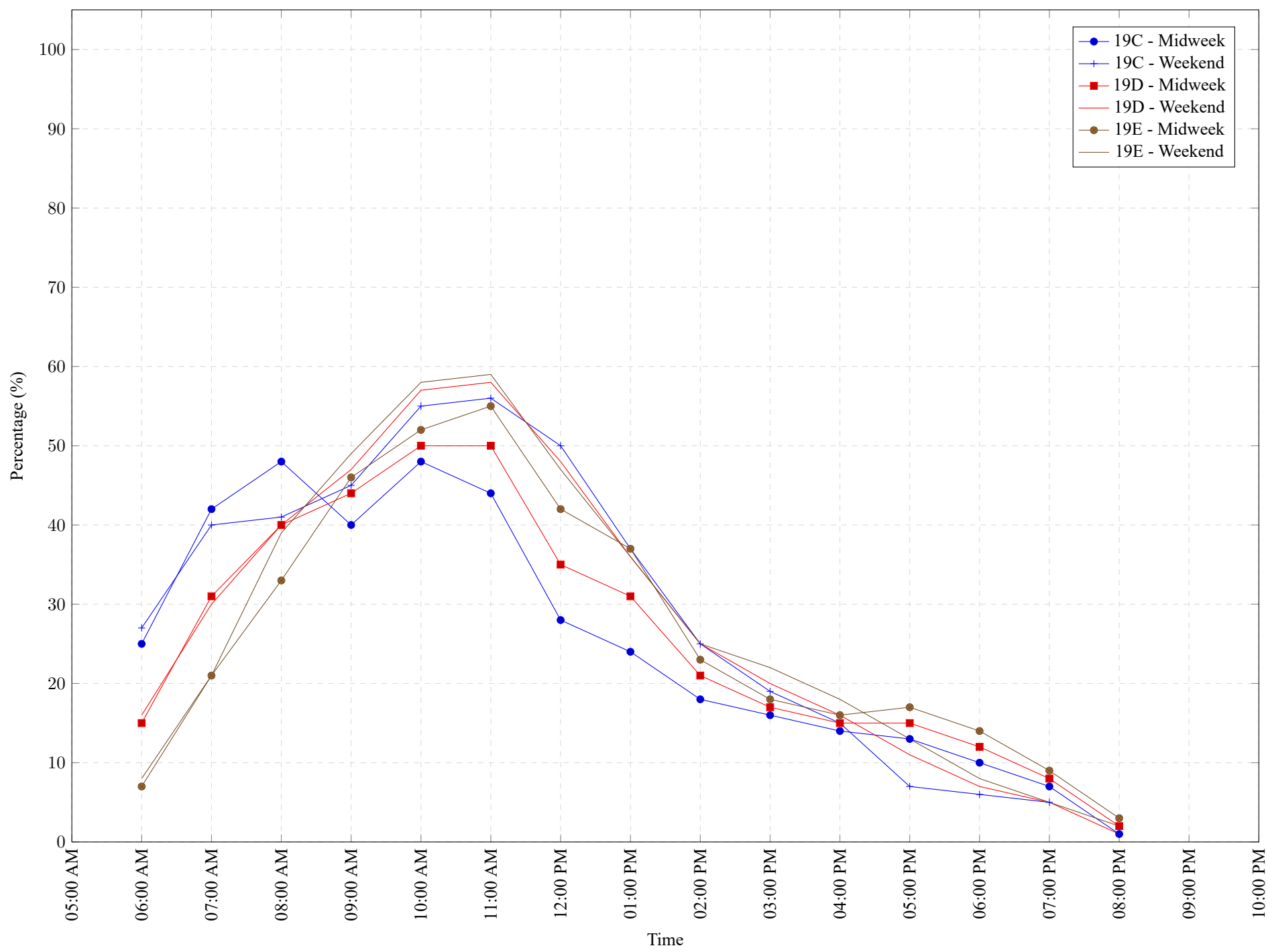


Table 7: Proportion of each day's fishing by hour.

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	25%	42%	48%	40%	48%	44%	28%	24%	18%	16%	14%	13%	10%	7%	1%	0%	0%
19C	Weekend	27%	40%	41%	45%	55%	56%	50%	37%	25%	19%	15%	7%	6%	5%	0%	0%	0%
19D	Midweek	15%	31%	40%	44%	50%	50%	35%	31%	21%	17%	15%	15%	12%	8%	2%	0%	0%
19D	Weekend	16%	30%	40%	47%	57%	58%	48%	36%	25%	20%	16%	11%	7%	5%	1%	0%	0%
19E	Midweek	7%	21%	33%	46%	52%	55%	42%	37%	23%	18%	16%	17%	14%	9%	3%	0%	0%
19E	Weekend	8%	21%	39%	49%	58%	59%	47%	36%	25%	22%	18%	13%	8%	5%	2%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Becher Bay	Cattle Point	Flemming	Pedder Bay
29 Jul 2022	Midweek				
30 Jul 2022	Weekend			calm/rippled	calm/rippled
31 Jul 2022	Weekend		choppy		
01 Aug 2022	Weekend				
02 Aug 2022	Midweek			frequent whitecaps	
03 Aug 2022	Midweek				
04 Aug 2022	Midweek				
05 Aug 2022	Midweek	calm/rippled			
06 Aug 2022	Weekend		calm/rippled		
07 Aug 2022	Weekend		calm/rippled	calm/rippled	
08 Aug 2022	Midweek		calm/rippled		
09 Aug 2022	Midweek				choppy
10 Aug 2022	Midweek				
11 Aug 2022	Midweek		calm/rippled		
12 Aug 2022	Midweek				
13 Aug 2022	Weekend		calm/rippled		choppy
14 Aug 2022	Weekend			choppy	
15 Aug 2022	Midweek			frequent whitecaps	choppy
16 Aug 2022	Midweek		calm/rippled		
17 Aug 2022	Midweek	calm/rippled			
18 Aug 2022	Midweek			calm/rippled	
19 Aug 2022	Midweek		calm/rippled		
20 Aug 2022	Weekend		calm/rippled		
21 Aug 2022	Weekend				
22 Aug 2022	Midweek				choppy
23 Aug 2022	Midweek		choppy		
24 Aug 2022	Midweek				
25 Aug 2022	Midweek			frequent whitecaps	
26 Aug 2022	Midweek				
27 Aug 2022	Weekend				frequent whitecaps
28 Aug 2022	Weekend			calm/rippled	
29 Aug 2022	Midweek			calm/rippled	
30 Aug 2022	Midweek				
31 Aug 2022	Midweek				
01 Sep 2022	Midweek				
02 Sep 2022	Midweek		calm/rippled		choppy
03 Sep 2022	Weekend		frequent whitecaps		