

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (JDF) July 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Friday 9th February, 2024



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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	
		PM	AM	PM	AM	PM	AM	PM
28 Jun 2023	Midweek							
29 Jun 2023	Midweek			1				
30 Jun 2023	Midweek							
01 Jul 2023	Weekend							1
02 Jul 2023	Weekend					7		
03 Jul 2023	Weekend			12				
04 Jul 2023	Midweek					1		
05 Jul 2023	Midweek		1					
06 Jul 2023	Midweek							
07 Jul 2023	Midweek							
08 Jul 2023	Weekend							
09 Jul 2023	Weekend		8					
10 Jul 2023	Midweek						5	
11 Jul 2023	Midweek							
12 Jul 2023	Midweek							
13 Jul 2023	Midweek							
14 Jul 2023	Midweek				4			
15 Jul 2023	Weekend	1	7					
16 Jul 2023	Weekend							
17 Jul 2023	Midweek							
18 Jul 2023	Midweek							1
19 Jul 2023	Midweek			10				
20 Jul 2023	Midweek				4			
21 Jul 2023	Midweek							
22 Jul 2023	Weekend							
23 Jul 2023	Weekend							
24 Jul 2023	Midweek							4
25 Jul 2023	Midweek							
26 Jul 2023	Midweek			10			8	
27 Jul 2023	Midweek							
28 Jul 2023	Midweek							
29 Jul 2023	Weekend				3			
30 Jul 2023	Weekend							
31 Jul 2023	Midweek		8					
01 Aug 2023	Midweek							
02 Aug 2023	Midweek					10		
03 Aug 2023	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-2023	Wednesday		0							
29-Jun-2023	Thursday	frequent whitecaps	1							
30-Jun-2023	Friday		0					4	1002	8
01-Jul-2023	Saturday	frequent whitecaps	1					2	1022	5
02-Jul-2023	Sunday	calm/rippled	7					24	0954	63
03-Jul-2023	Monday (Canada Day)	calm/rippled	12							
04-Jul-2023	Tuesday	calm/rippled	1					7	1039	13
05-Jul-2023	Wednesday	calm/rippled	1							
06-Jul-2023	Thursday		0							
07-Jul-2023	Friday		0							
08-Jul-2023	Saturday		0					6	1045	16
09-Jul-2023	Sunday	calm/rippled	8							
10-Jul-2023	Monday	frequent whitecaps	5				2	4	1047	8
11-Jul-2023	Tuesday		0							
12-Jul-2023	Wednesday		0							
13-Jul-2023	Thursday		0							
14-Jul-2023	Friday	choppy	4					17	1002	34
15-Jul-2023	Saturday	calm/rippled	8				2	26	1007	66
16-Jul-2023	Sunday		0							
17-Jul-2023	Monday		0							
18-Jul-2023	Tuesday	choppy	1							
19-Jul-2023	Wednesday	choppy	10					13	1036	24
20-Jul-2023	Thursday	choppy	4							
21-Jul-2023	Friday		0							
22-Jul-2023	Saturday		0					10	1038	26
23-Jul-2023	Sunday		0							
24-Jul-2023	Monday	calm/rippled	4		3		4	33	1042	62
25-Jul-2023	Tuesday		0							
26-Jul-2023	Wednesday	choppy	18				7			
27-Jul-2023	Thursday		0							
28-Jul-2023	Friday		0							
29-Jul-2023	Saturday	choppy	3							
30-Jul-2023	Sunday		0							
31-Jul-2023	Monday	calm/rippled	8	2	1					
01-Aug-2023	Tuesday		0							
02-Aug-2023	Wednesday	calm/rippled	10	5				29	1005	54
03-Aug-2023	Thursday		0							
	Totals	choppy	56	2	4		13	15*		28*
	Totals	choppy	39				2	14*		35*

* 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	35	11	385				0.051				20
Midweek	28	20	560	0.036	0.071		0.232	20	40		130

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	July	2576	735			269
2019	July	1458	0	85	0	93
2020	July	995	0	37		263
2021	July	1419	0	8		333
2022	July	1417	0	0		67
2023	July	948	12	50		238
5-Yr Avg	July	1573	147	33	0	205

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	50	100%	6%	78	89%	4%	3
Chinook	12	100%	8%	9	41%	11%	1

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	95	0%
iRec Anglers	1955	15%

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

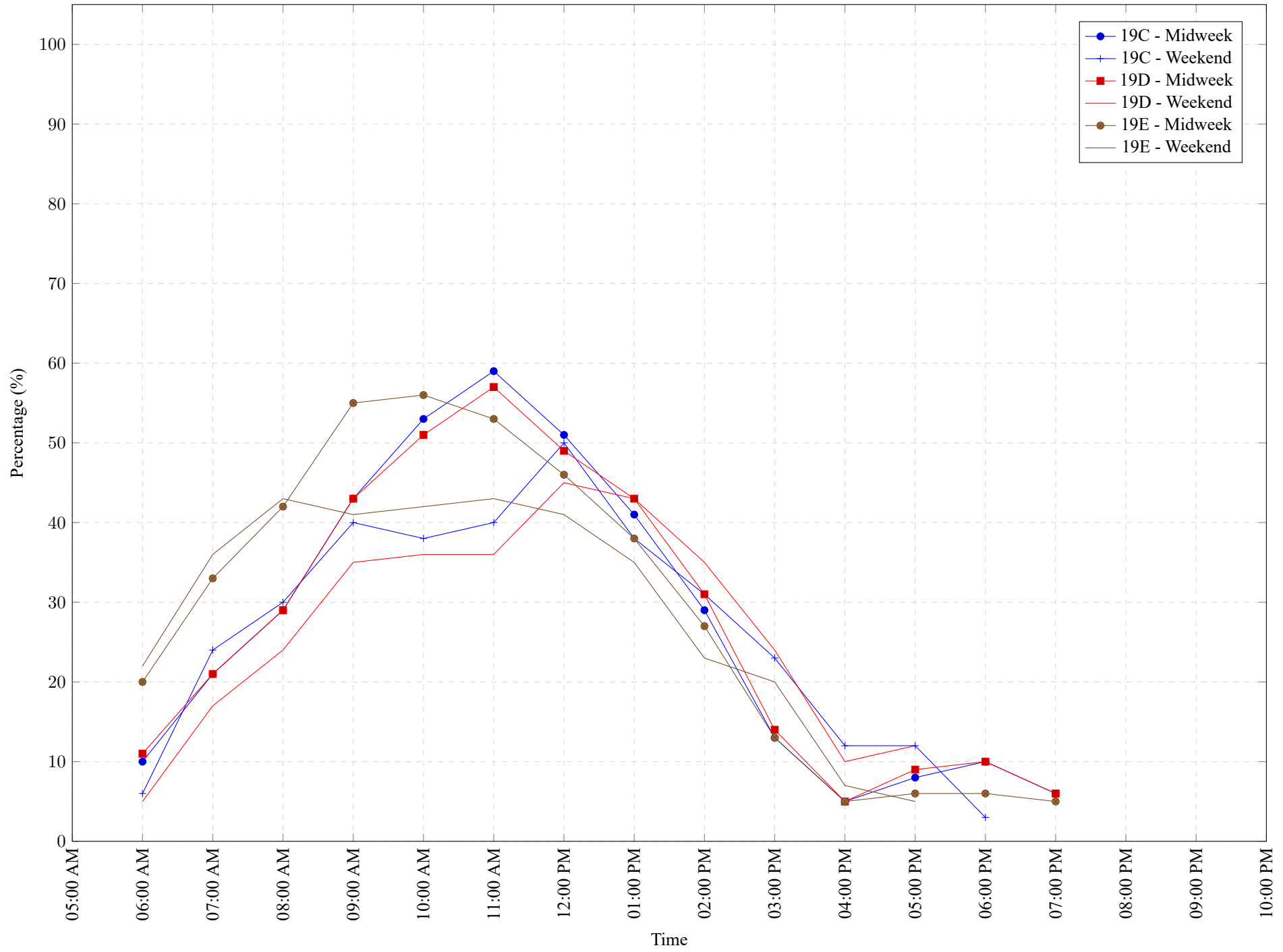


Table 7: Proportion of each day's fishing by hour.

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%	21%	29%	43%	53%	59%	51%	41%	29%	13%	5%	8%	10%	6%	0%	0%	0%
19C	Weekend	6%	24%	30%	40%	38%	40%	50%	38%	31%	23%	12%	12%	3%	0%	0%	0%	0%
19D	Midweek	11%	21%	29%	43%	51%	57%	49%	43%	31%	14%	5%	9%	10%	6%	0%	0%	0%
19D	Weekend	5%	17%	24%	35%	36%	36%	45%	43%	35%	24%	10%	12%	0%	0%	0%	0%	0%
19E	Midweek	20%	33%	42%	55%	56%	53%	46%	38%	27%	13%	5%	6%	6%	5%	0%	0%	0%
19E	Weekend	22%	36%	43%	41%	42%	43%	41%	35%	23%	20%	7%	5%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Becher Bay	Cattle Point	Flemming	Pedder Bay
28 Jun 2023	Midweek				
29 Jun 2023	Midweek		frequent whitecaps		
30 Jun 2023	Midweek				
01 Jul 2023	Weekend				frequent whitecaps
02 Jul 2023	Weekend			calm/rippled	
03 Jul 2023	Weekend		calm/rippled		
04 Jul 2023	Midweek			calm/rippled	
05 Jul 2023	Midweek		calm/rippled		
06 Jul 2023	Midweek				
07 Jul 2023	Midweek				
08 Jul 2023	Weekend				
09 Jul 2023	Weekend		calm/rippled		
10 Jul 2023	Midweek				frequent whitecaps
11 Jul 2023	Midweek				
12 Jul 2023	Midweek				
13 Jul 2023	Midweek				
14 Jul 2023	Midweek			choppy	
15 Jul 2023	Weekend	frequent whitecaps	calm/rippled		
16 Jul 2023	Weekend				
17 Jul 2023	Midweek				
18 Jul 2023	Midweek				choppy
19 Jul 2023	Midweek		choppy		
20 Jul 2023	Midweek			choppy	
21 Jul 2023	Midweek				
22 Jul 2023	Weekend				
23 Jul 2023	Weekend				
24 Jul 2023	Midweek				calm/rippled
25 Jul 2023	Midweek				
26 Jul 2023	Midweek		choppy		calm/rippled
27 Jul 2023	Midweek				
28 Jul 2023	Midweek				
29 Jul 2023	Weekend			choppy	
30 Jul 2023	Weekend				
31 Jul 2023	Midweek		calm/rippled		
01 Aug 2023	Midweek				
02 Aug 2023	Midweek			calm/rippled	
03 Aug 2023	Midweek				