

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (JDF) August 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 10th February, 2024



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Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

		Becher Bay	Cattle Point		Cowichan Bay	Flemming		Pedder Bay		Sidney (Tulista Park Ramp)
Date	Day Type	PM	AM	PM	PM	AM	PM	AM	PM	PM
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									
04 Aug 2023	Midweek									
05 Aug 2023	Weekend								5	
06 Aug 2023	Weekend			4						
07 Aug 2023	Weekend									
08 Aug 2023	Midweek			1						
09 Aug 2023	Midweek									
10 Aug 2023	Midweek								1	
11 Aug 2023	Midweek									
12 Aug 2023	Weekend									
13 Aug 2023	Weekend			13						
14 Aug 2023	Midweek						17			
15 Aug 2023	Midweek									
16 Aug 2023	Midweek									
17 Aug 2023	Midweek		6							
18 Aug 2023	Midweek			6		30			3	
19 Aug 2023	Weekend					38				1
20 Aug 2023	Weekend							6		
21 Aug 2023	Midweek									1
22 Aug 2023	Midweek									
23 Aug 2023	Midweek									
24 Aug 2023	Midweek		9					4		
25 Aug 2023	Midweek	2					32			
26 Aug 2023	Weekend		10				27			
27 Aug 2023	Weekend				1				2	
28 Aug 2023	Midweek									
29 Aug 2023	Midweek									
30 Aug 2023	Midweek									
31 Aug 2023	Midweek					31			3	
01 Sep 2023	Midweek									
02 Sep 2023	Weekend								5	
03 Sep 2023	Weekend			17			18			

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-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	64
03-Aug-2023	Thursday		0							
04-Aug-2023	Friday		0							
05-Aug-2023	Saturday	calm/rippled	5	4	1					
06-Aug-2023	Sunday	choppy	4					42	0956	83
07-Aug-2023	Monday (B.C. Day)		0					64	0954	127
08-Aug-2023	Tuesday	choppy	1							
09-Aug-2023	Wednesday		0					16	1004	36
10-Aug-2023	Thursday	frequent whitecaps	1							
11-Aug-2023	Friday		0							
12-Aug-2023	Saturday		0							
13-Aug-2023	Sunday	calm/rippled	13	4				132	1034	265
14-Aug-2023	Monday	calm/rippled	17	16						
15-Aug-2023	Tuesday		0					38	1041	84
16-Aug-2023	Wednesday		0							
17-Aug-2023	Thursday	calm/rippled	6	6						
18-Aug-2023	Friday	choppy	39	29	4		2			
19-Aug-2023	Saturday	calm/rippled	39	35	5			85	1057	181
20-Aug-2023	Sunday	calm/rippled	7	3			3			
21-Aug-2023	Monday	calm/rippled	1							
22-Aug-2023	Tuesday		1				3	55	1040	122
23-Aug-2023	Wednesday		1				5			
24-Aug-2023	Thursday	calm/rippled	13	6	1					
25-Aug-2023	Friday	calm/rippled	34	24	1		1			
26-Aug-2023	Saturday	calm/rippled	37	32	1			99	1054	199
27-Aug-2023	Sunday	choppy	3							
28-Aug-2023	Monday		0							
29-Aug-2023	Tuesday		0							
30-Aug-2023	Wednesday		0					24	1020	53
31-Aug-2023	Thursday	calm/rippled	34	27	2					
01-Sep-2023	Friday		0					121	1011	268
02-Sep-2023	Saturday	choppy	5	1	4					
03-Sep-2023	Sunday	calm/rippled	35	9	4		1			
	Totals	calm/rippled	158	113	8		11	32*		72*
	Totals	calm/rippled	108	78	7		3	84*		171*

* 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	72	22	1584	0.715	0.051		0.07	1133	81		111
Weekend	171	9	1539	0.722	0.065		0.028	1111	100		43

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2023	August	3456	2599	191	0	16
5-Yr Avg	August	2472	963	43	11	91

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	372	14%	5%	560	31%	3%	19

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	263	0%
iRec Anglers	6008	10%

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

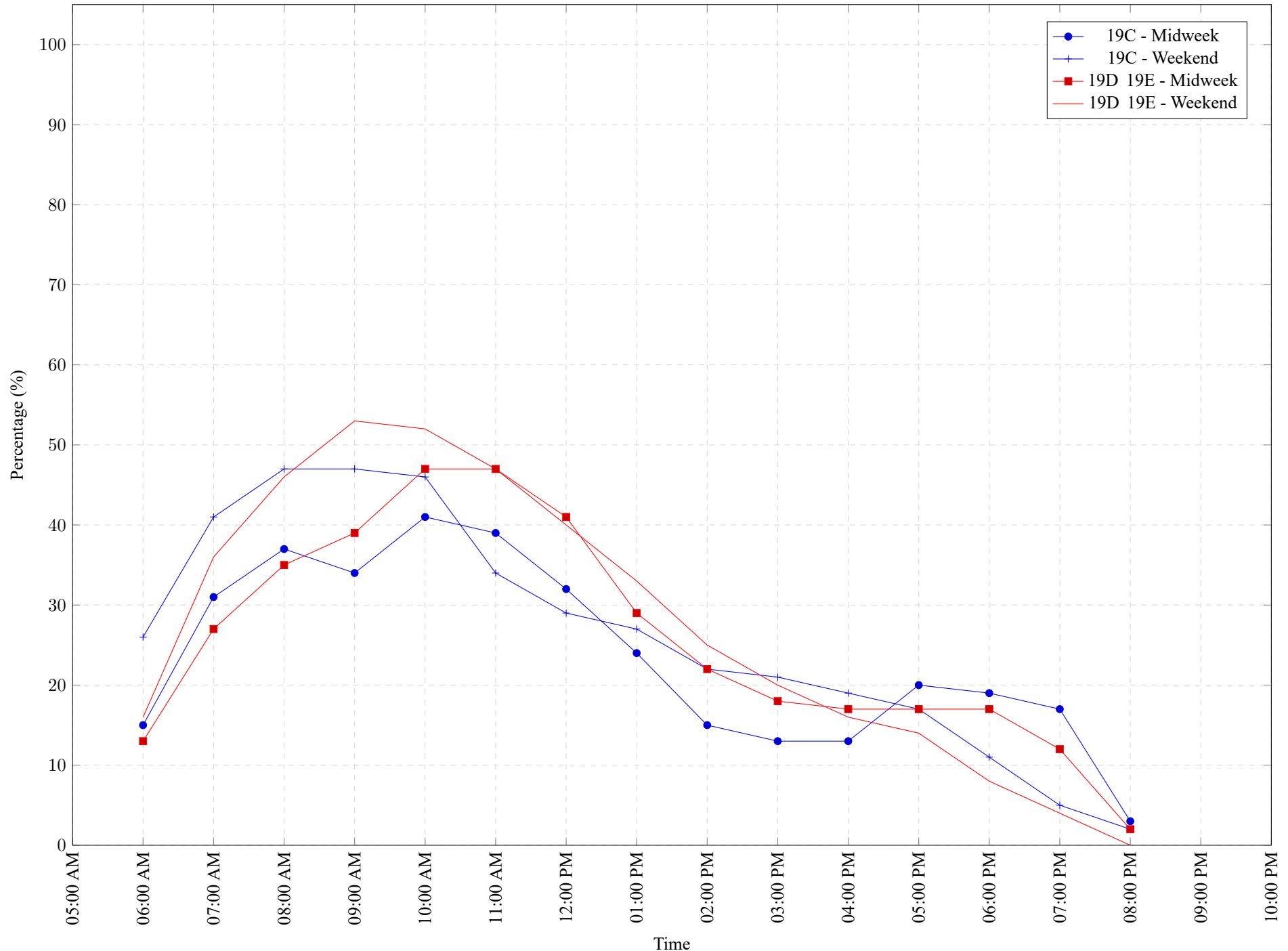


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00	7:00	8:00	9:00	10:00	11:00	12:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00
		AM	AM	AM	AM	AM	AM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
19C	Midweek	15%	31%	37%	34%	41%	39%	32%	24%	15%	13%	13%	20%	19%	17%	3%	0%	0%
19C	Weekend	26%	41%	47%	47%	46%	34%	29%	27%	22%	21%	19%	17%	11%	5%	2%	0%	0%
19D 19E	Midweek	13%	27%	35%	39%	47%	47%	41%	29%	22%	18%	17%	17%	17%	12%	2%	0%	0%
19D 19E	Weekend	16%	36%	46%	53%	52%	47%	40%	33%	25%	20%	16%	14%	8%	4%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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