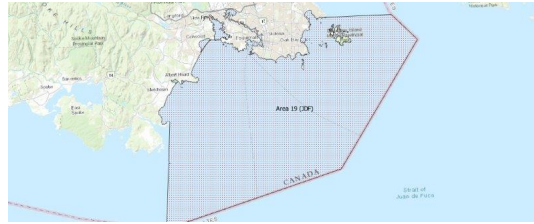


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (JDF) September 2023



Prepared By:

South Coast Salmon Stock Assessment Section

Saturday 10th February, 2024



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 Aug 2023	Midweek							
30 Aug 2023	Midweek							
31 Aug 2023	Midweek				31			3
01 Sep 2023	Midweek							
02 Sep 2023	Weekend			17		18		5
03 Sep 2023	Weekend							
04 Sep 2023	Weekend							
05 Sep 2023	Midweek							
06 Sep 2023	Midweek							2
07 Sep 2023	Midweek		5					
08 Sep 2023	Midweek				23			
09 Sep 2023	Weekend		7					
10 Sep 2023	Weekend	1					4	
11 Sep 2023	Midweek							
12 Sep 2023	Midweek							
13 Sep 2023	Midweek		5					
14 Sep 2023	Midweek					14		
15 Sep 2023	Midweek			7				
16 Sep 2023	Weekend				18			
17 Sep 2023	Weekend							
18 Sep 2023	Midweek							
19 Sep 2023	Midweek					1		
20 Sep 2023	Midweek							
21 Sep 2023	Midweek							
22 Sep 2023	Midweek			16				
23 Sep 2023	Weekend			4		15		
24 Sep 2023	Weekend							
25 Sep 2023	Midweek							
26 Sep 2023	Midweek							
27 Sep 2023	Midweek				1			
28 Sep 2023	Midweek							
29 Sep 2023	Midweek							
30 Sep 2023	Weekend							16
01 Oct 2023	Weekend				20			
02 Oct 2023	Midweek					4		
03 Oct 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
29-Aug-2023	Tuesday		0							
30-Aug-2023	Wednesday		0					24	1020	40
31-Aug-2023	Thursday	calm/rippled	34	27	2					
01-Sep-2023	Friday		0					121	1011	202
02-Sep-2023	Saturday	choppy	5	1	4					
03-Sep-2023	Sunday	calm/rippled	35	9	4		1			
04-Sep-2023	Monday (Labour Day)		0					73	1003	113
05-Sep-2023	Tuesday		0							
06-Sep-2023	Wednesday	calm/rippled	2	2	1		1			
07-Sep-2023	Thursday	calm/rippled	5	2				39	0917	87
08-Sep-2023	Friday	calm/rippled	23	9	8					
09-Sep-2023	Saturday	calm/rippled	7	4				66	1011	102
10-Sep-2023	Sunday	choppy	5	3			1			
11-Sep-2023	Monday		0							
12-Sep-2023	Tuesday		0							
13-Sep-2023	Wednesday	calm/rippled	5	1						
14-Sep-2023	Thursday	calm/rippled	14	8	1		1			
15-Sep-2023	Friday	calm/rippled	7					27	1006	45
16-Sep-2023	Saturday	choppy	18	2	1		1	51	0937	90
17-Sep-2023	Sunday		0							
18-Sep-2023	Monday		0							
19-Sep-2023	Tuesday	frequent whitecaps	1							
20-Sep-2023	Wednesday		0							
21-Sep-2023	Thursday		0							
22-Sep-2023	Friday	calm/rippled	16	4	2					
23-Sep-2023	Saturday	choppy	19	5	6					
24-Sep-2023	Sunday		0					12	1053	19
25-Sep-2023	Monday		0							
26-Sep-2023	Tuesday		0							
27-Sep-2023	Wednesday	calm/rippled	1							
28-Sep-2023	Thursday		0					4	1013	7
29-Sep-2023	Friday		0							
30-Sep-2023	Saturday	calm/rippled	16	3	2		9			
01-Oct-2023	Sunday	calm/rippled	20	1	19			33	1014	51
02-Oct-2023	Monday	choppy	4		1					
03-Oct-2023	Tuesday		0							
	Totals	calm/rippled	74	26	12		2	48*		85*
	Totals	choppy	105	27	17		12	51*		81*

* 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	81	10	810	0.257	0.162		0.114	208	131		92
Midweek	85	20	1700	0.351	0.162		0.027	597	275		46

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	September	1799	471	185		85
2019	September	3155	285	81		493
2020	September	2046	309	220		224
2021	September	1178	208	87	0	68
2022	September	1904	714	425	0	125
2023	September	2481	862	434		117
5-Yr Avg	September	2016	397	200	0	199

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	355	82%	6%	196	80%	12%	23
Chinook	227	27%	5%	336	30%	3%	11

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	179	0%
iRec Anglers	3708	7%

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

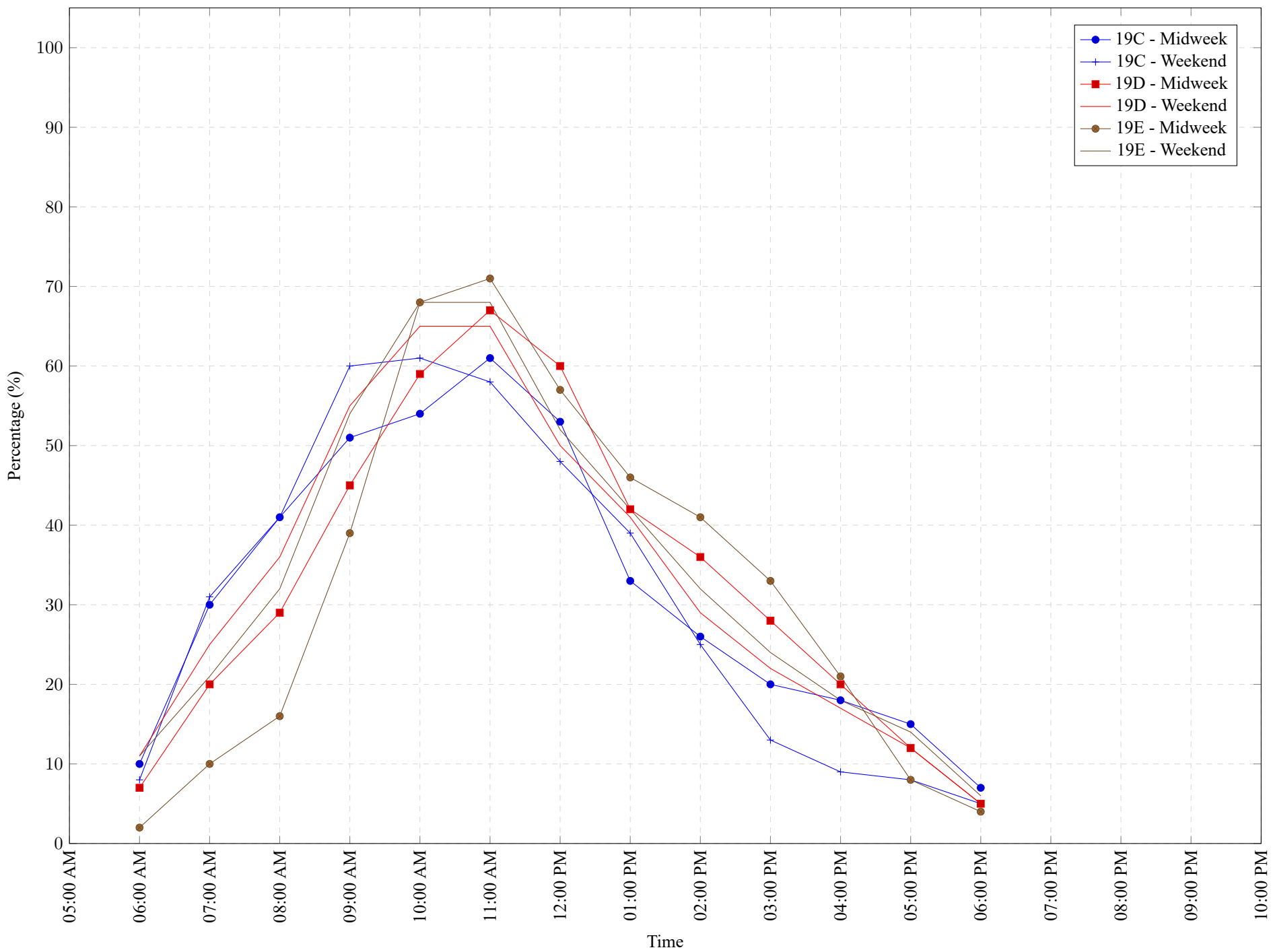


Table 7: Proportion of each day's fishing by hour.

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	10%	30%	41%	51%	54%	61%	53%	33%	26%	20%	18%	15%	7%	0%	0%	0%	0%
19C	Weekend	8%	31%	41%	60%	61%	58%	48%	39%	25%	13%	9%	8%	5%	0%	0%	0%	0%
19D	Midweek	7%	20%	29%	45%	59%	67%	60%	42%	36%	28%	20%	12%	5%	0%	0%	0%	0%
19D	Weekend	11%	25%	36%	55%	65%	65%	50%	41%	29%	22%	17%	12%	5%	0%	0%	0%	0%
19E	Midweek	2%	10%	16%	39%	68%	71%	57%	46%	41%	33%	21%	8%	4%	0%	0%	0%	0%
19E	Weekend	11%	21%	32%	54%	68%	68%	52%	42%	32%	24%	18%	14%	6%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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