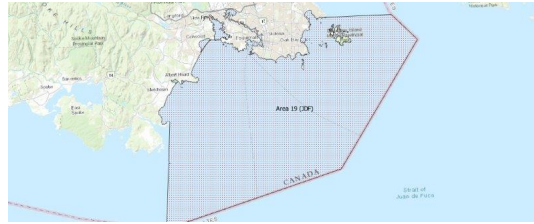


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (JDF) September 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		Sooke Harbour Marina	
		AM	AM	PM	AM	PM	AM	PM	AM	PM
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							
04 Sep 2022	Weekend	1					2			
05 Sep 2022	Weekend						3			
06 Sep 2022	Midweek									
07 Sep 2022	Midweek				13					
08 Sep 2022	Midweek		6				1			
09 Sep 2022	Midweek									
10 Sep 2022	Weekend		5							
11 Sep 2022	Weekend			14				2		
12 Sep 2022	Midweek									
13 Sep 2022	Midweek									
14 Sep 2022	Midweek									
15 Sep 2022	Midweek									
16 Sep 2022	Midweek									
17 Sep 2022	Weekend				22			7		
18 Sep 2022	Weekend					32				
19 Sep 2022	Midweek				21					
20 Sep 2022	Midweek					5				
21 Sep 2022	Midweek									
22 Sep 2022	Midweek									
23 Sep 2022	Midweek			10		7		2		
24 Sep 2022	Weekend					18				
25 Sep 2022	Weekend			15					1	
26 Sep 2022	Midweek						2			
27 Sep 2022	Midweek									
28 Sep 2022	Midweek									
29 Sep 2022	Midweek									1
30 Sep 2022	Midweek		3							
01 Oct 2022	Weekend			13						
02 Oct 2022	Weekend					27		3		
03 Oct 2022	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-2022	Monday	calm/rippled	22	10	2			49	1015	78
30-Aug-2022	Tuesday		0							
31-Aug-2022	Wednesday		0							
01-Sep-2022	Thursday		0					23	1107	42
02-Sep-2022	Friday	calm/rippled	8	4	1					
03-Sep-2022	Saturday	frequent whitecaps	1					19	1117	33
04-Sep-2022	Sunday	calm/rippled	3							
05-Sep-2022	Monday (Labour Day)	choppy	3	2						
06-Sep-2022	Tuesday		0							
07-Sep-2022	Wednesday	calm/rippled	13	18	1			20	1105	36
08-Sep-2022	Thursday	calm/rippled	7	6						
09-Sep-2022	Friday		0							
10-Sep-2022	Saturday	choppy	5	6				47	1115	81
11-Sep-2022	Sunday	calm/rippled	16	10	2					
12-Sep-2022	Monday		0					25	1118	45
13-Sep-2022	Tuesday		0							
14-Sep-2022	Wednesday		0							
15-Sep-2022	Thursday		0							
16-Sep-2022	Friday		0							
17-Sep-2022	Saturday	choppy	29	3	6		5			
18-Sep-2022	Sunday	calm/rippled	32	5	6			93	1111	161
19-Sep-2022	Monday	choppy	21	1	10		1			
20-Sep-2022	Tuesday	choppy	5	1						
21-Sep-2022	Wednesday		0					37	1115	67
22-Sep-2022	Thursday		0							
23-Sep-2022	Friday	calm/rippled	19	2	4		2			
24-Sep-2022	Saturday	calm/rippled	18	4	9		1			
25-Sep-2022	Sunday	calm/rippled	16	3	1		3	64	1115	111
26-Sep-2022	Monday	calm/rippled	2							
27-Sep-2022	Tuesday		0							
28-Sep-2022	Wednesday	choppy	1				1			
29-Sep-2022	Thursday	calm/rippled	3							
30-Sep-2022	Friday		0							
01-Oct-2022	Saturday	calm/rippled	13	4	3			65	1045	111
02-Oct-2022	Sunday	calm/rippled	30		24		2			
03-Oct-2022	Monday		0							
	Totals	calm/rippled	79	32	16		4	26*		48*
	Totals	choppy	123	33	24		9	56*		97*

* 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	97	9	873	0.268	0.195		0.073	234	170		64
Midweek	48	21	1008	0.405	0.203		0.051	408	205		51

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	September	1822	343	36		490
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
5-Yr Avg	September	2000	323	122	0	272

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	324	76%	5%	267	98%	6%	17
Chinook	260	37%	9%	430	51%	6%	24

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	202	0%
iRec Anglers	3801	9%

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

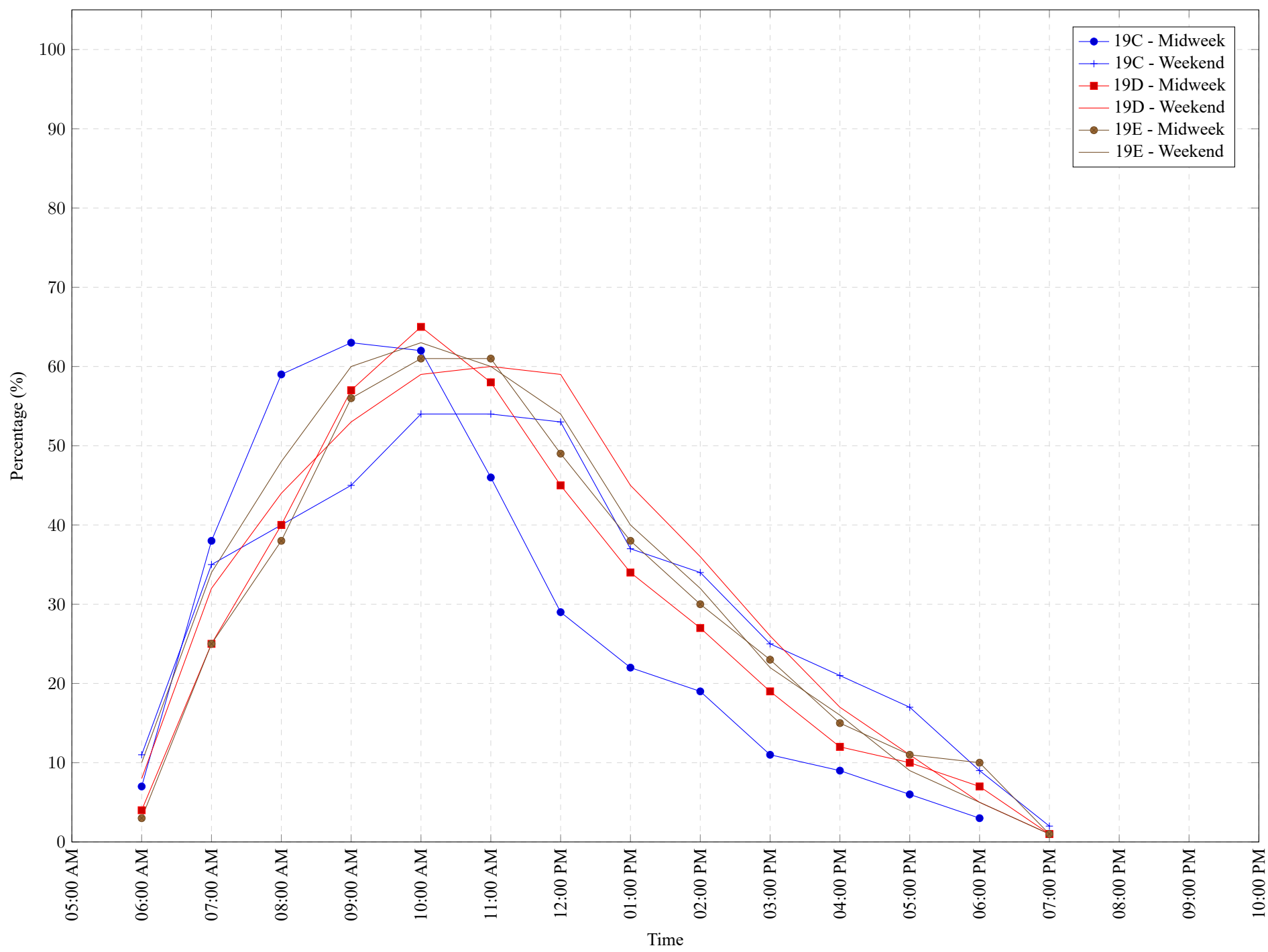


Table 7: Proportion of each day's fishing by hour.

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	7%	38%	59%	63%	62%	46%	29%	22%	19%	11%	9%	6%	3%	0%	0%	0%	0%
19C	Weekend	11%	35%	40%	45%	54%	54%	53%	37%	34%	25%	21%	17%	9%	2%	0%	0%	0%
19D	Midweek	4%	25%	40%	57%	65%	58%	45%	34%	27%	19%	12%	10%	7%	1%	0%	0%	0%
19D	Weekend	8%	32%	44%	53%	59%	60%	59%	45%	36%	26%	17%	11%	5%	1%	0%	0%	0%
19E	Midweek	3%	25%	38%	56%	61%	61%	49%	38%	30%	23%	15%	11%	10%	1%	0%	0%	0%
19E	Weekend	10%	34%	48%	60%	63%	60%	54%	40%	32%	22%	16%	9%	5%	1%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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