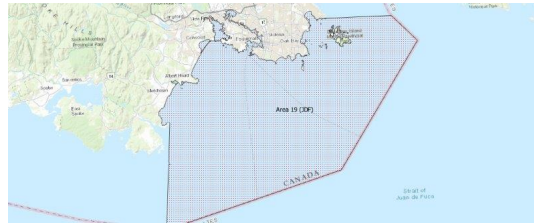


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (JDF) March 2021



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 3rd February, 2022



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	Cattle Point		Flem- ming	Pedder Bay		Sooke Harbour Marina
		MD	PM	MD	MD	PM	MD
26 Feb 2021	Midweek						
27 Feb 2021	Weekend						
28 Feb 2021	Weekend						
01 Mar 2021	Midweek						
02 Mar 2021	Midweek						
03 Mar 2021	Midweek						
04 Mar 2021	Midweek			4			
05 Mar 2021	Midweek						
06 Mar 2021	Weekend						
07 Mar 2021	Weekend			16			
08 Mar 2021	Midweek						
09 Mar 2021	Midweek						
10 Mar 2021	Midweek						
11 Mar 2021	Midweek				9		
12 Mar 2021	Midweek						
13 Mar 2021	Weekend	17					
14 Mar 2021	Weekend				1		
15 Mar 2021	Midweek				3		1
16 Mar 2021	Midweek			14			
17 Mar 2021	Midweek	3					
18 Mar 2021	Midweek						
19 Mar 2021	Midweek						
20 Mar 2021	Weekend	3					
21 Mar 2021	Weekend			6			
22 Mar 2021	Midweek						
23 Mar 2021	Midweek						
24 Mar 2021	Midweek						
25 Mar 2021	Midweek						
26 Mar 2021	Midweek						
27 Mar 2021	Weekend						
28 Mar 2021	Weekend						
29 Mar 2021	Midweek						
30 Mar 2021	Midweek				1		
31 Mar 2021	Midweek						
01 Apr 2021	Midweek						
02 Apr 2021	Weekend		2				
03 Apr 2021	Weekend					10	

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
26-Feb-2021	Friday		0							
27-Feb-2021	Saturday		0							
28-Feb-2021	Sunday		0							
01-Mar-2021	Monday		0					13	1150	22
02-Mar-2021	Tuesday		0							
03-Mar-2021	Wednesday		0							
04-Mar-2021	Thursday	choppy	4	3						
05-Mar-2021	Friday		0							
06-Mar-2021	Saturday		0							
07-Mar-2021	Sunday	choppy	16	1			9			
08-Mar-2021	Monday		0							
09-Mar-2021	Tuesday		0							
10-Mar-2021	Wednesday		0					55	1142	90
11-Mar-2021	Thursday	choppy	9	6			4			
12-Mar-2021	Friday		0							
13-Mar-2021	Saturday	calm/rippled	17	7						
14-Mar-2021	Sunday	large swells	1					12	1150	14
15-Mar-2021	Monday	calm/rippled	4				1			
16-Mar-2021	Tuesday	calm/rippled	14	4			3			
17-Mar-2021	Wednesday	calm/rippled	3				2			
18-Mar-2021	Thursday		0							
19-Mar-2021	Friday		0							
20-Mar-2021	Saturday	choppy	3							
21-Mar-2021	Sunday	choppy	6				2	16	1202	20
22-Mar-2021	Monday		0							
23-Mar-2021	Tuesday		0							
24-Mar-2021	Wednesday		0							
25-Mar-2021	Thursday		0							
26-Mar-2021	Friday		0							
27-Mar-2021	Saturday		0					43	1145	51
28-Mar-2021	Sunday		0							
29-Mar-2021	Monday		0							
30-Mar-2021	Tuesday	choppy	1				1	23	1153	37
31-Mar-2021	Wednesday		0							
01-Apr-2021	Thursday		0							
02-Apr-2021	Friday (Good Friday)	frequent whitecaps	2					10	1052	10
03-Apr-2021	Saturday	frequent whitecaps	10				3			
	Totals	choppy	35	13			11	30*		50*
	Totals	choppy	43	8			11	24*		28*

* 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	50	23	1150	0.371			0.314	427			361
Weekend	28	8	224	0.186			0.256	42			57

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	March	1244	279			720
2017	March	528	308			133
2018	March	642	227			76
2021	March	1547	508			511
5-Yr Avg	March	805	271			310

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	391	77%	6%	590	67%	4%	23

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	78	4%
iRec Anglers	2382	7%

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

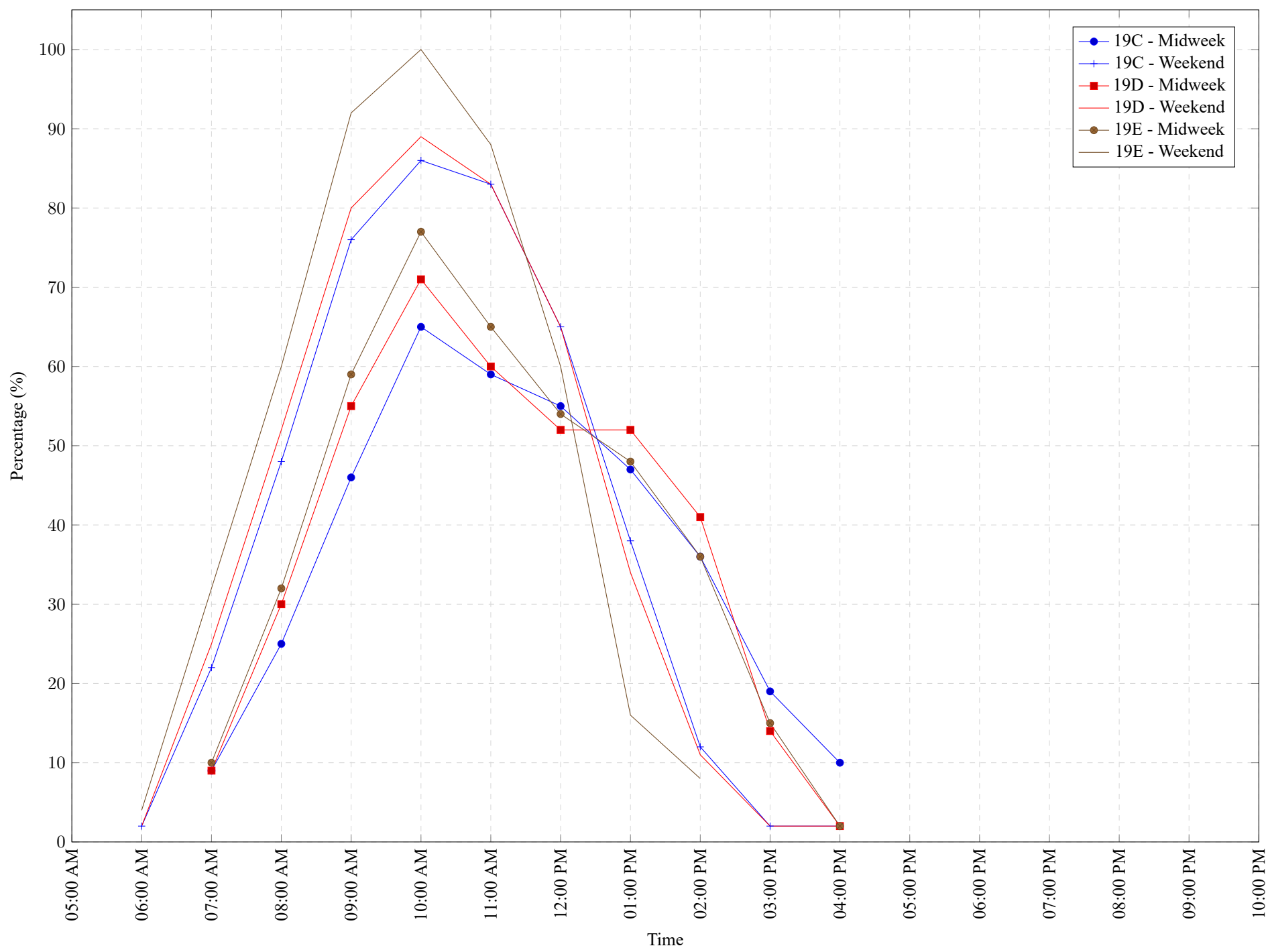


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00 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	0%	9%	25%	46%	65%	59%	55%	47%	36%	19%	10%	0%	0%	0%	0%	0%	0%
19C	Weekend	2%	22%	48%	76%	86%	83%	65%	38%	12%	2%	2%	0%	0%	0%	0%	0%	0%
19D	Midweek	0%	9%	30%	55%	71%	60%	52%	52%	41%	14%	2%	0%	0%	0%	0%	0%	0%
19D	Weekend	2%	25%	52%	80%	89%	83%	65%	34%	11%	2%	2%	0%	0%	0%	0%	0%	0%
19E	Midweek	0%	10%	32%	59%	77%	65%	54%	48%	36%	15%	2%	0%	0%	0%	0%	0%	0%
19E	Weekend	4%	32%	60%	92%	100%	88%	60%	16%	8%	0%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Cattle Point	Flemming	Pedder Bay	Sooke Harbour Marina
26 Feb 2021	Midweek				
27 Feb 2021	Weekend				
28 Feb 2021	Weekend				
01 Mar 2021	Midweek				
02 Mar 2021	Midweek				
03 Mar 2021	Midweek				
04 Mar 2021	Midweek		choppy		
05 Mar 2021	Midweek				
06 Mar 2021	Weekend		choppy		
07 Mar 2021	Weekend				
08 Mar 2021	Midweek				
09 Mar 2021	Midweek				
10 Mar 2021	Midweek				
11 Mar 2021	Midweek			choppy	
12 Mar 2021	Midweek				
13 Mar 2021	Weekend	calm/rippled			
14 Mar 2021	Weekend			large swells	
15 Mar 2021	Midweek			calm/rippled	calm/rippled
16 Mar 2021	Midweek		calm/rippled		
17 Mar 2021	Midweek	calm/rippled			
18 Mar 2021	Midweek				
19 Mar 2021	Midweek				
20 Mar 2021	Weekend	choppy			
21 Mar 2021	Weekend		choppy		
22 Mar 2021	Midweek				
23 Mar 2021	Midweek				
24 Mar 2021	Midweek				
25 Mar 2021	Midweek				
26 Mar 2021	Midweek				
27 Mar 2021	Weekend				
28 Mar 2021	Weekend				
29 Mar 2021	Midweek				
30 Mar 2021	Midweek			choppy	
31 Mar 2021	Midweek				
01 Apr 2021	Midweek				
02 Apr 2021	Weekend	frequent whitecaps			
03 Apr 2021	Weekend			frequent whitecaps	