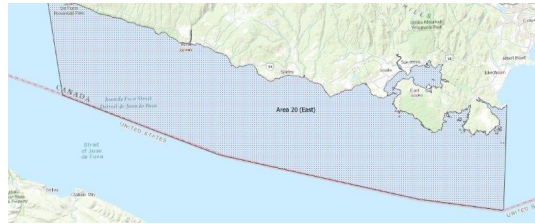


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) March 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 3rd February, 2022



Fisheries and Oceans
Canada

Pêches et Océans
Canada

**your
catch
counts**

The logo for 'your catch counts' features the text 'your catch counts' in a bold, blue, sans-serif font. To the right of the word 'catch' is a stylized blue icon of a fisherman holding a fish.

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

Date	Day Type	Flem- ming	Pedder Bay		Prestige Hotel Ramp	Sooke Harbour Marina
		MD	MD	PM	MD	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	1				
05 Mar 2021	Midweek				2	
06 Mar 2021	Weekend					8
07 Mar 2021	Weekend					
08 Mar 2021	Midweek					
09 Mar 2021	Midweek					
10 Mar 2021	Midweek					
11 Mar 2021	Midweek		8			
12 Mar 2021	Midweek					
13 Mar 2021	Weekend				15	
14 Mar 2021	Weekend		1			
15 Mar 2021	Midweek		6			2
16 Mar 2021	Midweek					
17 Mar 2021	Midweek					
18 Mar 2021	Midweek				1	
19 Mar 2021	Midweek					
20 Mar 2021	Weekend					
21 Mar 2021	Weekend	2				7
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		1			
29 Mar 2021	Midweek					
30 Mar 2021	Midweek		1			
31 Mar 2021	Midweek					
01 Apr 2021	Midweek					
02 Apr 2021	Weekend					
03 Apr 2021	Weekend			4		

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					5	1130	7
02-Mar-2021	Tuesday		0							
03-Mar-2021	Wednesday		0							
04-Mar-2021	Thursday	choppy	1							
05-Mar-2021	Friday	frequent whitecaps	2	3						
06-Mar-2021	Saturday		0							
07-Mar-2021	Sunday	choppy	8	10						
08-Mar-2021	Monday		0							
09-Mar-2021	Tuesday		0							
10-Mar-2021	Wednesday		0					21	1123	30
11-Mar-2021	Thursday	choppy	8	2						
12-Mar-2021	Friday		0							
13-Mar-2021	Saturday	calm/rippled	15	11						
14-Mar-2021	Sunday	large swells	1					12	1128	13
15-Mar-2021	Monday	calm/rippled	8	9			2			
16-Mar-2021	Tuesday		0							
17-Mar-2021	Wednesday		0							
18-Mar-2021	Thursday	calm/rippled	1							
19-Mar-2021	Friday		0							
20-Mar-2021	Saturday		0							
21-Mar-2021	Sunday	choppy	9	5			3	17	1138	19
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					61	1126	70
28-Mar-2021	Sunday	frequent whitecaps	1							
29-Mar-2021	Monday		0							
30-Mar-2021	Tuesday	choppy	1					15	1130	21
31-Mar-2021	Wednesday		0							
01-Apr-2021	Thursday		0							
02-Apr-2021	Friday (Good Friday)		0					15	1033	20
03-Apr-2021	Saturday	frequent whitecaps	4							
	Totals	choppy	21	14			2	14*		19*
	Totals	choppy	34	26			3	30*		34*

* 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	19	23	437	0.667			0.095	291			42
Weekend	34	8	272	0.765			0.088	208			24

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	March	523	150			21
2017	March	496	269			12
2018	March	379	244			12
2021	March	778	746	0		96
5-Yr Avg	March	466	221			15

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	560	75%	15%	445	81%	19%	84

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	55	18%
iRec Anglers	37	79%
iRec Anglers	1264	22%

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

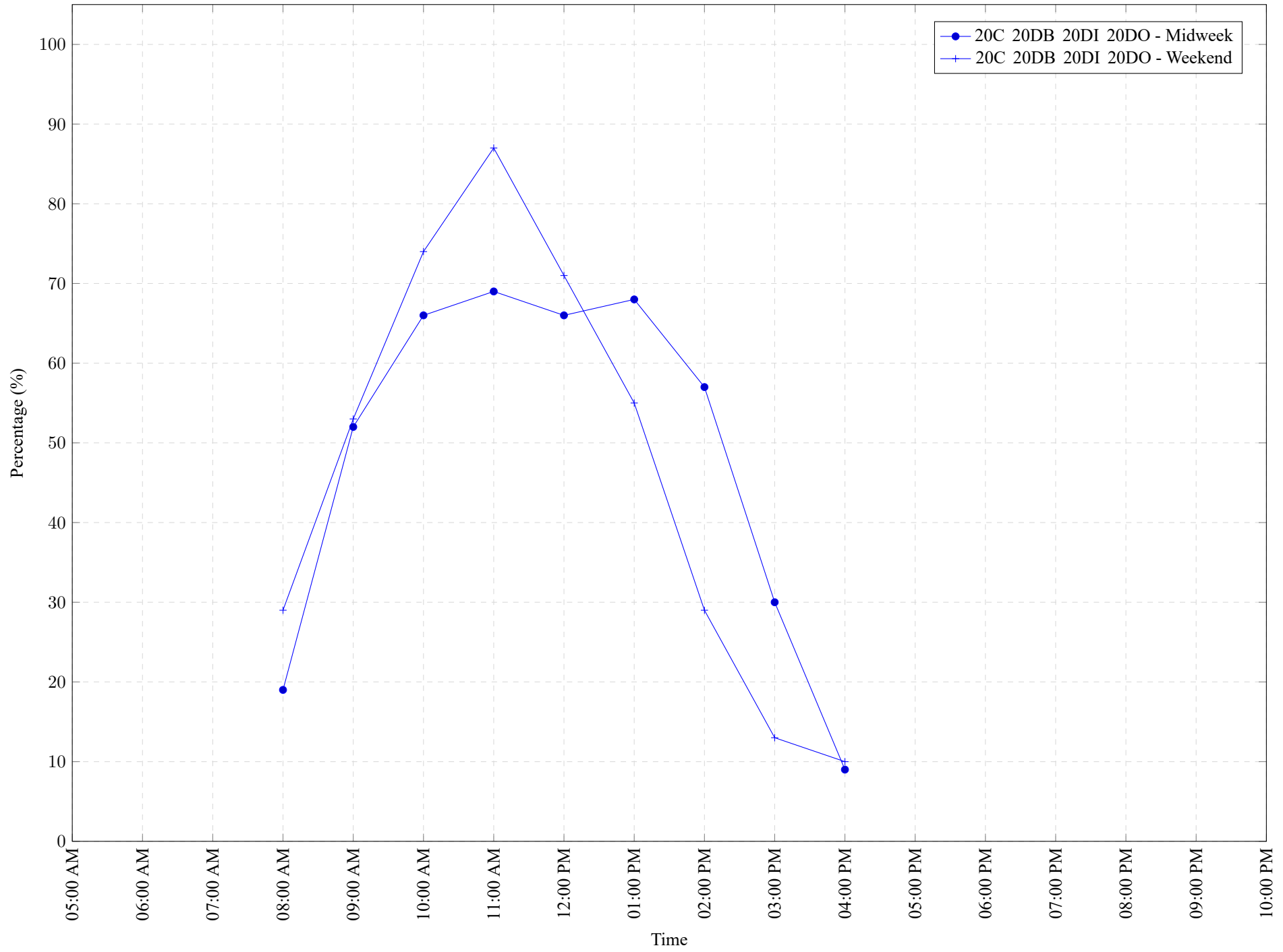


Table 7: Proportion of each day's fishing by hour.

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
20C	20DB	20DI	20DO	Midweek	0%	0%	19%	52%	66%	69%	66%	68%	57%	30%	9%	0%	0%	0%	0%	0%	0%
20C	20DB	20DI	20DO	Weekend	0%	0%	29%	53%	74%	87%	71%	55%	29%	13%	10%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Flemming	Pedder Bay	Prestige Hotel Ramp	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			frequent whitecaps	
06 Mar 2021	Weekend				
07 Mar 2021	Weekend				choppy
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				
17 Mar 2021	Midweek				
18 Mar 2021	Midweek			calm/rippled	
19 Mar 2021	Midweek				
20 Mar 2021	Weekend				
21 Mar 2021	Weekend	choppy			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		frequent whitecaps		
29 Mar 2021	Midweek				
30 Mar 2021	Midweek		choppy		
31 Mar 2021	Midweek				
01 Apr 2021	Midweek				
02 Apr 2021	Weekend				
03 Apr 2021	Weekend		frequent whitecaps		