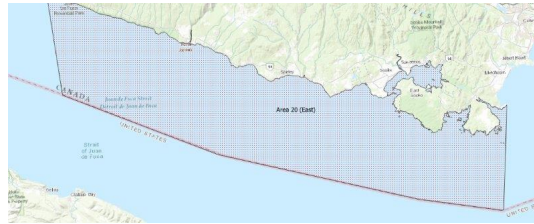


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) March 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Wednesday 7th 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	Flem- ming	Mill Bay	Pedder Bay		Prestige Hotel Ramp	Sooke Harbour Marina
		MD	AM	MD	PM	MD	MD
26 Feb 2023	Weekend						
27 Feb 2023	Midweek						
28 Feb 2023	Midweek						
01 Mar 2023	Midweek						
02 Mar 2023	Midweek						
03 Mar 2023	Midweek					2	
04 Mar 2023	Weekend						
05 Mar 2023	Weekend						
06 Mar 2023	Midweek					1	
07 Mar 2023	Midweek						
08 Mar 2023	Midweek						
09 Mar 2023	Midweek						
10 Mar 2023	Midweek						
11 Mar 2023	Weekend	1					
12 Mar 2023	Weekend					5	2
13 Mar 2023	Midweek						
14 Mar 2023	Midweek						5
15 Mar 2023	Midweek					3	
16 Mar 2023	Midweek						
17 Mar 2023	Midweek			11			
18 Mar 2023	Weekend		1	23			
19 Mar 2023	Weekend	2					
20 Mar 2023	Midweek						5
21 Mar 2023	Midweek						
22 Mar 2023	Midweek			9			
23 Mar 2023	Midweek					4	
24 Mar 2023	Midweek						
25 Mar 2023	Weekend						8
26 Mar 2023	Weekend			20			
27 Mar 2023	Midweek					5	
28 Mar 2023	Midweek						
29 Mar 2023	Midweek						
30 Mar 2023	Midweek						1
31 Mar 2023	Midweek						
01 Apr 2023	Weekend						
02 Apr 2023	Weekend				21		
03 Apr 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
26-Feb-2023	Sunday		0							
27-Feb-2023	Monday		0							
28-Feb-2023	Tuesday		0							
01-Mar-2023	Wednesday		0					6	1123	6
02-Mar-2023	Thursday		0							
03-Mar-2023	Friday	calm/rippled	2							
04-Mar-2023	Saturday		0							
05-Mar-2023	Sunday		0					30	1127	32
06-Mar-2023	Monday	frequent whitecaps	1							
07-Mar-2023	Tuesday		0							
08-Mar-2023	Wednesday		0							
09-Mar-2023	Thursday		0							
10-Mar-2023	Friday		0							
11-Mar-2023	Saturday	choppy	1							
12-Mar-2023	Sunday	choppy	7	3			4	26	1121	28
13-Mar-2023	Monday		0							
14-Mar-2023	Tuesday	calm/rippled	5	6						
15-Mar-2023	Wednesday	calm/rippled	3	7						
16-Mar-2023	Thursday		0					11	1124	12
17-Mar-2023	Friday	choppy	11	15						
18-Mar-2023	Saturday	calm/rippled	24	8			1			
19-Mar-2023	Sunday	choppy	2					33	1123	35
20-Mar-2023	Monday	calm/rippled	5	3			8			
21-Mar-2023	Tuesday		0							
22-Mar-2023	Wednesday	choppy	9	5						
23-Mar-2023	Thursday	choppy	4	1						
24-Mar-2023	Friday		1	1				3	1129	3
25-Mar-2023	Saturday	frequent whitecaps	8	9						
26-Mar-2023	Sunday	choppy	21	29						
27-Mar-2023	Monday	choppy	5	3						
28-Mar-2023	Tuesday		0							
29-Mar-2023	Wednesday		1	4						
30-Mar-2023	Thursday	frequent whitecaps	1	1						
31-Mar-2023	Friday		0							
01-Apr-2023	Saturday		0							
02-Apr-2023	Sunday	choppy	21	1				25	0953	29
03-Apr-2023	Monday		0							
	Totals	choppy	48	46			8	7*		7*
	Totals	choppy	63	49			5	30*		32*

* 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	32	8	256	0.778			0.079	199			20
Midweek	7	23	161	0.958			0.167	154			27

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	March	379	244			12
2021	March	778	746	0		96
2022	March	489	500			33
2023	March	460	439			27
5-Yr Avg	March	549	497	0		47

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	344	78%	24%	454	94%	18%	82

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	111	23%
iRec Anglers	237	8%
iRec Anglers	442	25%

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

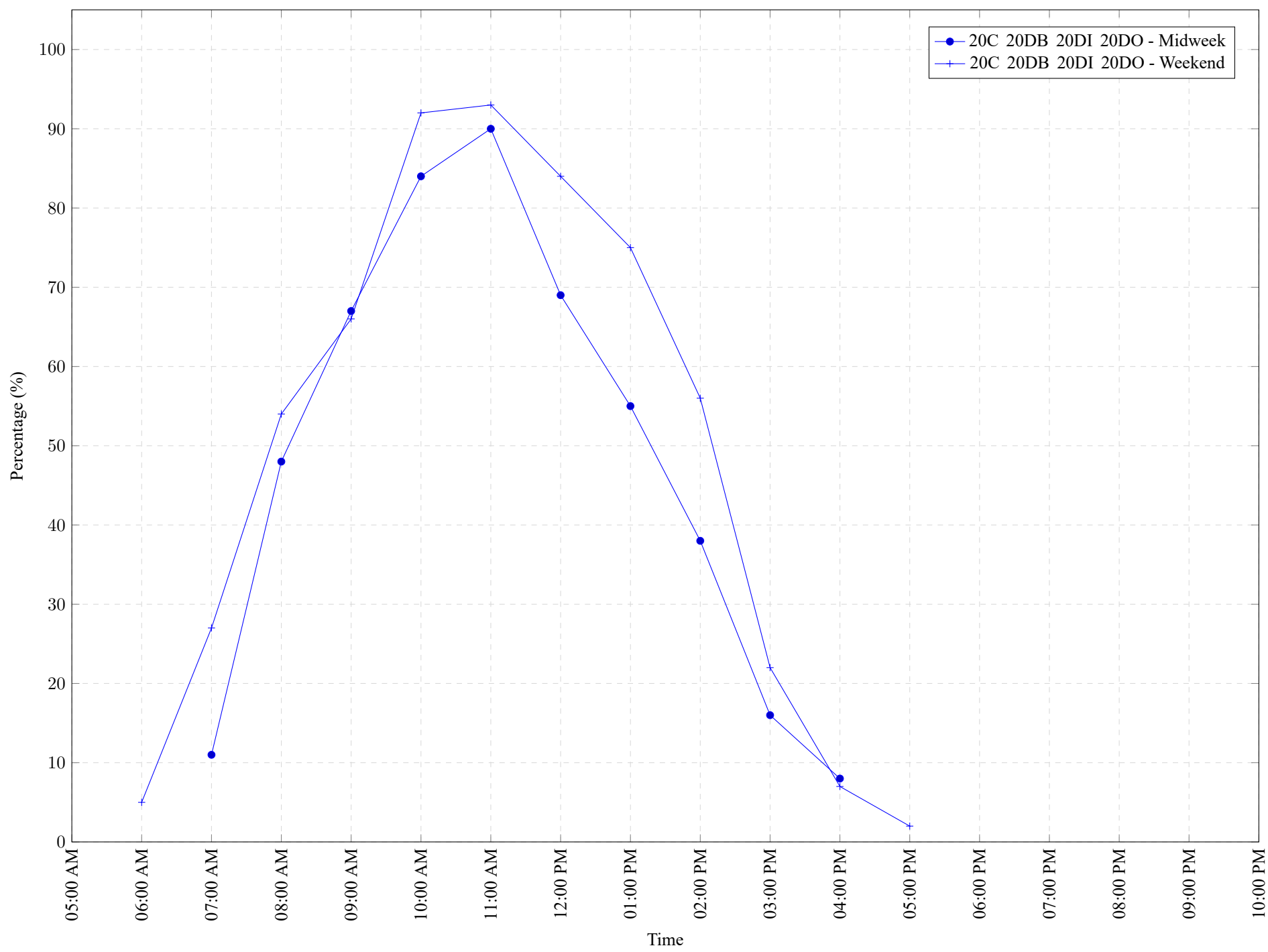


Table 7: Proportion of each day’s fishing by hour.

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%	11%	48%	67%	84%	90%	69%	55%	38%	16%	8%	0%	0%	0%	0%	0%	0%
20C	20DB	20DI	20DO	Weekend	5%	27%	54%	66%	92%	93%	84%	75%	56%	22%	7%	2%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Flemming	Mill Bay	Pedder Bay	Prestige Hotel Ramp	Sooke Harbour Marina
26 Feb 2023	Weekend					
27 Feb 2023	Midweek					
28 Feb 2023	Midweek					
01 Mar 2023	Midweek					
02 Mar 2023	Midweek					
03 Mar 2023	Midweek				calm/rippled	
04 Mar 2023	Weekend					
05 Mar 2023	Weekend					
06 Mar 2023	Midweek				frequent whitecaps	
07 Mar 2023	Midweek					
08 Mar 2023	Midweek					
09 Mar 2023	Midweek					
10 Mar 2023	Midweek					
11 Mar 2023	Weekend	choppy				
12 Mar 2023	Weekend				choppy	frequent whitecaps
13 Mar 2023	Midweek					
14 Mar 2023	Midweek					calm/rippled
15 Mar 2023	Midweek				calm/rippled	
16 Mar 2023	Midweek					
17 Mar 2023	Midweek			choppy		
18 Mar 2023	Weekend		calm/rippled	calm/rippled		
19 Mar 2023	Weekend	choppy				
20 Mar 2023	Midweek					calm/rippled
21 Mar 2023	Midweek					
22 Mar 2023	Midweek			choppy		
23 Mar 2023	Midweek				choppy	
24 Mar 2023	Midweek					
25 Mar 2023	Weekend					frequent whitecaps
26 Mar 2023	Weekend			choppy		
27 Mar 2023	Midweek				choppy	
28 Mar 2023	Midweek					
29 Mar 2023	Midweek					
30 Mar 2023	Midweek					frequent whitecaps
31 Mar 2023	Midweek					
01 Apr 2023	Weekend					
02 Apr 2023	Weekend			choppy		
03 Apr 2023	Midweek					