

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) April 2022



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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

Date	Day Type	Becher Bay		Pedder Bay			Prestige Hotel Ramp			Sooke Harbour Marina		
		AM	PM	AM	MD	PM	AM	MD	PM	AM	MD	PM
29 Mar 2022	Midweek				8							
30 Mar 2022	Midweek										4	
31 Mar 2022	Midweek							8				
01 Apr 2022	Midweek											
02 Apr 2022	Weekend								9			
03 Apr 2022	Weekend											
04 Apr 2022	Midweek											
05 Apr 2022	Midweek											
06 Apr 2022	Midweek											
07 Apr 2022	Midweek						1					1
08 Apr 2022	Midweek											
09 Apr 2022	Weekend											
10 Apr 2022	Weekend											
11 Apr 2022	Midweek											
12 Apr 2022	Midweek											
13 Apr 2022	Midweek											
14 Apr 2022	Midweek					3						
15 Apr 2022	Weekend			11								3
16 Apr 2022	Weekend		7									
17 Apr 2022	Weekend									2		
18 Apr 2022	Midweek											
19 Apr 2022	Midweek											
20 Apr 2022	Midweek											
21 Apr 2022	Midweek											
22 Apr 2022	Midweek								1			
23 Apr 2022	Weekend	15										
24 Apr 2022	Weekend					18						
25 Apr 2022	Midweek			3								
26 Apr 2022	Midweek											
27 Apr 2022	Midweek											
28 Apr 2022	Midweek					3				6		
29 Apr 2022	Midweek		3									
30 Apr 2022	Weekend						3					
01 May 2022	Weekend											
02 May 2022	Midweek											
03 May 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-Mar-2022	Tuesday	choppy	8	6				0	1113	0
30-Mar-2022	Wednesday	frequent whitecaps	4	7						
31-Mar-2022	Thursday	frequent whitecaps	8	10						
01-Apr-2022	Friday		0							
02-Apr-2022	Saturday		0					7	1046	11
03-Apr-2022	Sunday	choppy	9				2			
04-Apr-2022	Monday		0							
05-Apr-2022	Tuesday		0					0	1034	0
06-Apr-2022	Wednesday		0							
07-Apr-2022	Thursday	choppy	2							
08-Apr-2022	Friday		0							
09-Apr-2022	Saturday		0					0	1027	0
10-Apr-2022	Sunday		0							
11-Apr-2022	Monday		0							
12-Apr-2022	Tuesday		0							
13-Apr-2022	Wednesday		0							
14-Apr-2022	Thursday	calm/rippled	3							
15-Apr-2022	Friday (Good Friday)	choppy	14	1			3	52	1035	79
16-Apr-2022	Saturday	frequent whitecaps	7							
17-Apr-2022	Sunday	frequent whitecaps	2				1			
18-Apr-2022	Monday		0							
19-Apr-2022	Tuesday		0							
20-Apr-2022	Wednesday		0							
21-Apr-2022	Thursday		0							
22-Apr-2022	Friday	calm/rippled	1							
23-Apr-2022	Saturday	calm/rippled	15	1			1			
24-Apr-2022	Sunday	choppy	18							
25-Apr-2022	Monday	frequent whitecaps	3					9	1029	9
26-Apr-2022	Tuesday		0							
27-Apr-2022	Wednesday		0					11	1023	11
28-Apr-2022	Thursday	calm/rippled	9				10			
29-Apr-2022	Friday	choppy	3							
30-Apr-2022	Saturday	choppy	3							
01-May-2022	Sunday		0							
02-May-2022	Monday		0					0	1120	0
03-May-2022	Tuesday		0							
	Totals	choppy	21				10	7*		7*
	Totals	choppy	68	2			7	20*		30*

* 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	30	10	300	0.029			0.103	9			31
Midweek	7	20	140				0.476				67

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	April	796	496			43
2018	April	659	204			51
2019	April	593	29			173
2021	April	367	0			186
2022	April	412	6			69
5-Yr Avg	April	604	182			113

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	6	100%	67%	39	91%	10%	4

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	89	17%
iRec Anglers	125	36%
iRec Anglers	530	30%

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

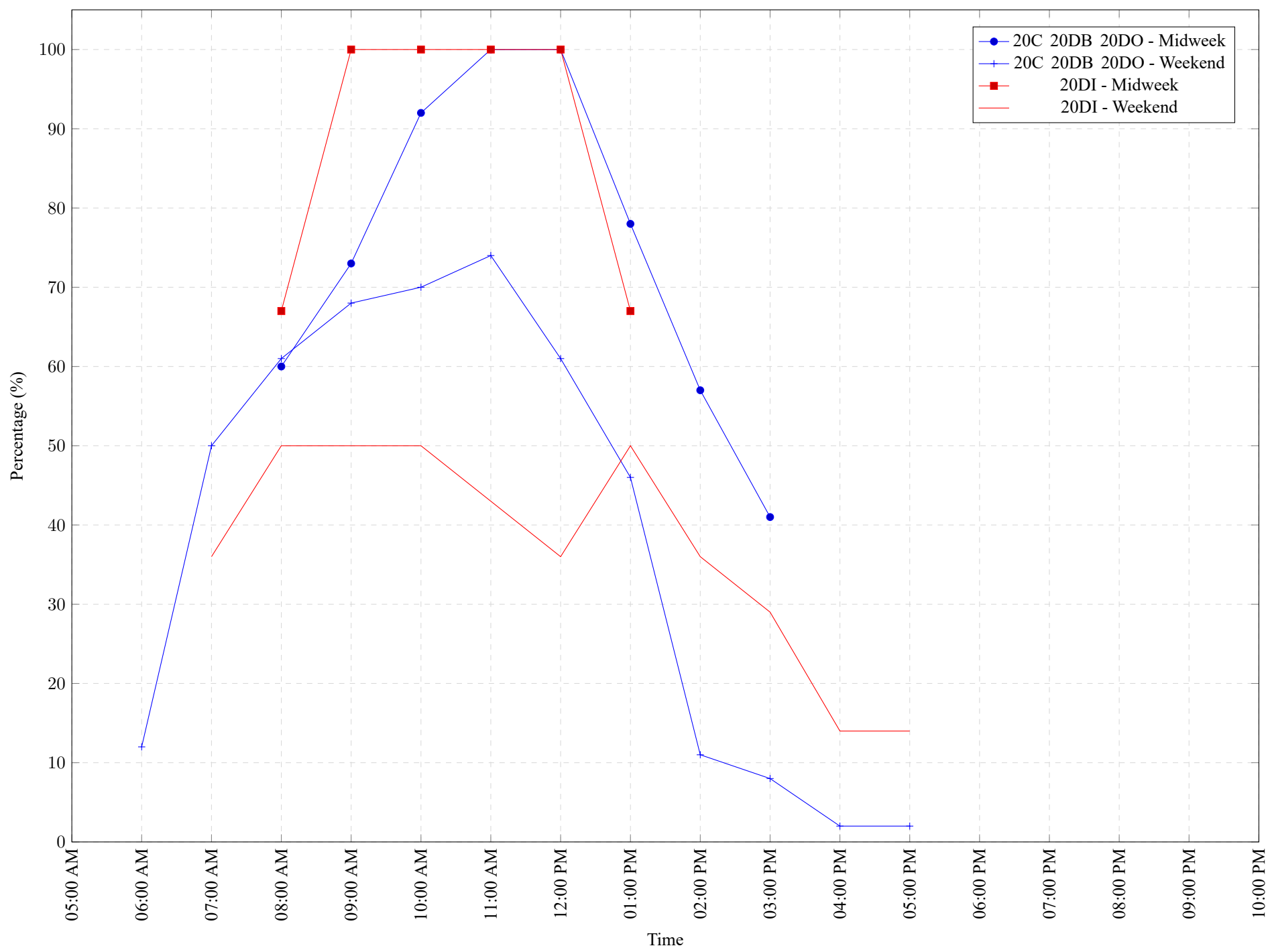


Table 7: Proportion of each day's fishing by hour.

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	20DO	Midweek	0%	0%	60%	73%	92%	100%	100%	78%	57%	41%	0%	0%	0%	0%	0%	0%	0%
20C	20DB	20DO	Weekend	12%	50%	61%	68%	70%	74%	61%	46%	11%	8%	2%	2%	0%	0%	0%	0%	0%
	20DI		Midweek	0%	0%	67%	100%	100%	100%	100%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	20DI		Weekend	0%	36%	50%	50%	50%	43%	36%	50%	36%	29%	14%	14%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Becher Bay	Pedder Bay	Prestige Hotel Ramp	Sooke Harbour Marina
29 Mar 2022	Midweek		choppy		
30 Mar 2022	Midweek				frequent whitecaps
31 Mar 2022	Midweek			frequent whitecaps	
01 Apr 2022	Midweek				
02 Apr 2022	Weekend			choppy	
03 Apr 2022	Weekend				
04 Apr 2022	Midweek				
05 Apr 2022	Midweek				
06 Apr 2022	Midweek				
07 Apr 2022	Midweek			choppy	choppy
08 Apr 2022	Midweek				
09 Apr 2022	Weekend				
10 Apr 2022	Weekend				
11 Apr 2022	Midweek				
12 Apr 2022	Midweek				
13 Apr 2022	Midweek				
14 Apr 2022	Midweek		calm/rippled		
15 Apr 2022	Weekend		choppy		choppy
16 Apr 2022	Weekend	frequent whitecaps			
17 Apr 2022	Weekend				frequent whitecaps
18 Apr 2022	Midweek				
19 Apr 2022	Midweek				
20 Apr 2022	Midweek				
21 Apr 2022	Midweek				
22 Apr 2022	Midweek			calm/rippled	
23 Apr 2022	Weekend	calm/rippled			
24 Apr 2022	Weekend		choppy		
25 Apr 2022	Midweek		frequent whitecaps		
26 Apr 2022	Midweek				
27 Apr 2022	Midweek				
28 Apr 2022	Midweek		calm/rippled		calm/rippled
29 Apr 2022	Midweek	choppy			
30 Apr 2022	Weekend			choppy	
01 May 2022	Weekend				
02 May 2022	Midweek				
03 May 2022	Midweek				