

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) August 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		Flemming		Pedder Bay		Prestige Hotel Ramp		Sooke Harbour Marina	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
29 Jul 2022	Midweek		15						12		
30 Jul 2022	Weekend				4		17				
31 Jul 2022	Weekend								15		
01 Aug 2022	Weekend						16				
02 Aug 2022	Midweek										
03 Aug 2022	Midweek										
04 Aug 2022	Midweek	6						2			
05 Aug 2022	Midweek		10							29	
06 Aug 2022	Weekend										10
07 Aug 2022	Weekend		20		6						
08 Aug 2022	Midweek										
09 Aug 2022	Midweek						22				
10 Aug 2022	Midweek							5			
11 Aug 2022	Midweek										
12 Aug 2022	Midweek										
13 Aug 2022	Weekend						31				
14 Aug 2022	Weekend	27			3						
15 Aug 2022	Midweek				1	13					
16 Aug 2022	Midweek										
17 Aug 2022	Midweek		10								
18 Aug 2022	Midweek			1							
19 Aug 2022	Midweek								9		
20 Aug 2022	Weekend										
21 Aug 2022	Weekend							17	21		
22 Aug 2022	Midweek						12				
23 Aug 2022	Midweek										
24 Aug 2022	Midweek										
25 Aug 2022	Midweek										10
26 Aug 2022	Midweek		1								
27 Aug 2022	Weekend		5			21					
28 Aug 2022	Weekend			2							11
29 Aug 2022	Midweek				1						8
30 Aug 2022	Midweek					18					
31 Aug 2022	Midweek								14		
01 Sep 2022	Midweek	8								15	
02 Sep 2022	Midweek						15				
03 Sep 2022	Weekend		14								

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-Jul-2022	Friday	choppy	28	2	22					
30-Jul-2022	Saturday	calm/rippled	21	4	33			184	0947	363
31-Jul-2022	Sunday	choppy	16		9	1				
01-Aug-2022	Monday (B.C. Day)	frequent whitecaps	17	12	3			147	0936	291
02-Aug-2022	Tuesday		0					139	0953	256
03-Aug-2022	Wednesday		1	1	1					
04-Aug-2022	Thursday	choppy	8	7	11					
05-Aug-2022	Friday	calm/rippled	40	18	26					
06-Aug-2022	Saturday	calm/rippled	10	24	3					
07-Aug-2022	Sunday	calm/rippled	27	12	3			216	0949	389
08-Aug-2022	Monday		1		1					
09-Aug-2022	Tuesday	choppy	23	5						
10-Aug-2022	Wednesday	frequent whitecaps	6	5	1					
11-Aug-2022	Thursday		0							
12-Aug-2022	Friday		1	3				123	0947	227
13-Aug-2022	Saturday	choppy	31	21	11			326	0946	645
14-Aug-2022	Sunday	choppy	30	17	6					
15-Aug-2022	Monday	choppy	14	10	3					
16-Aug-2022	Tuesday		0							
17-Aug-2022	Wednesday	calm/rippled	11	4	2					
18-Aug-2022	Thursday	calm/rippled	2	1	1			150	0945	281
19-Aug-2022	Friday	choppy	10	8						
20-Aug-2022	Saturday		0							
21-Aug-2022	Sunday	choppy	39	29	16			281	0948	506
22-Aug-2022	Monday	choppy	13	8						
23-Aug-2022	Tuesday		1	1				93	0944	174
24-Aug-2022	Wednesday		1	2						
25-Aug-2022	Thursday	frequent whitecaps	11	15	1					
26-Aug-2022	Friday	frequent whitecaps	2	6						
27-Aug-2022	Saturday	frequent whitecaps	27	29	3			144	0948	259
28-Aug-2022	Sunday	choppy	14	23	1					
29-Aug-2022	Monday	calm/rippled	10	14	2			162	0948	298
30-Aug-2022	Tuesday	calm/rippled	19	18	3					
31-Aug-2022	Wednesday	frequent whitecaps	15	8	1					
01-Sep-2022	Thursday	choppy	23	21	10			107	1043	197
02-Sep-2022	Friday	choppy	15	12	3					
03-Sep-2022	Saturday	choppy	15	5	8			230	1051	433
	Totals	choppy	189	134	53			133*		247*
	Totals	choppy	195	167	46			223*		418*

* 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	247	22	5434	0.709	0.28			3853	1522		
Weekend	418	9	3762	0.856	0.236			3220	888		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	August	9046	7170	838	17	99
2018	August	9029	8702	572	4894	49
2019	August	11070	8320	1497	0	67
2020	August	9936	5026	3568		48
2021	August	8382	6559	754	0	44
2022	August	9427	7588	2816	0	0
5-Yr Avg	August	9493	7155	1446	1228	61

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	2797	88%	13%	3444	97%	11%	376
Chinook	3084	30%	28%	3274	45%	27%	872

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	952	8%
iRec Anglers	4348	16%
iRec Anglers	10638	14%

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

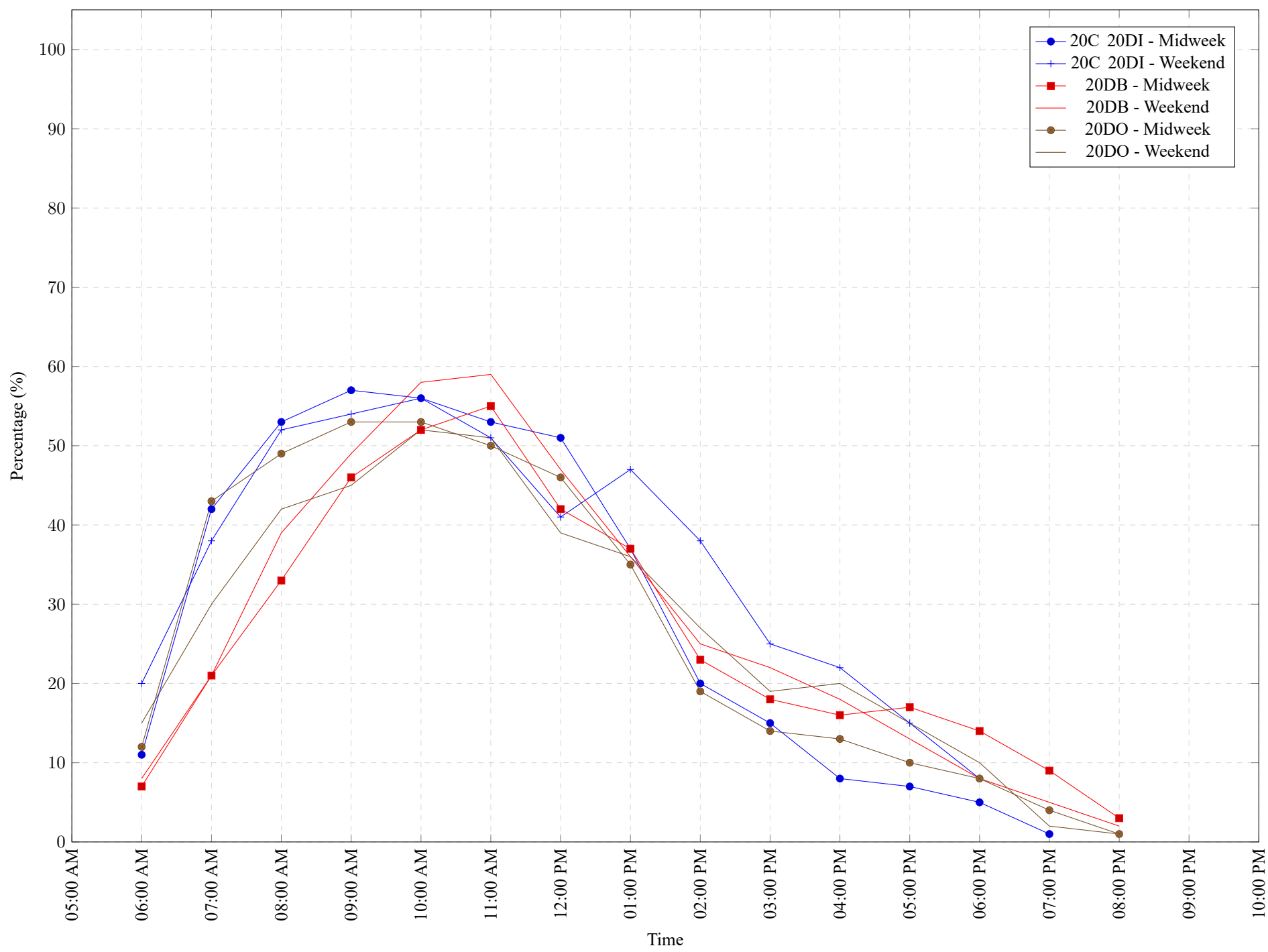


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00	7:00	8:00	9:00	10:00	11:00	12:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00
		AM	AM	AM	AM	AM	AM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
20C 20DI	Midweek	11%	42%	53%	57%	56%	53%	51%	37%	20%	15%	8%	7%	5%	1%	0%	0%	0%
20C 20DI	Weekend	20%	38%	52%	54%	56%	51%	41%	47%	38%	25%	22%	15%	8%	0%	0%	0%	0%
20DB	Midweek	7%	21%	33%	46%	52%	55%	42%	37%	23%	18%	16%	17%	14%	9%	3%	0%	0%
20DB	Weekend	8%	21%	39%	49%	58%	59%	47%	36%	25%	22%	18%	13%	8%	5%	2%	0%	0%
20DO	Midweek	12%	43%	49%	53%	53%	50%	46%	35%	19%	14%	13%	10%	8%	4%	1%	0%	0%
20DO	Weekend	15%	30%	42%	45%	52%	51%	39%	36%	27%	19%	20%	15%	10%	2%	1%	0%	0%

Table 8: Daily Fishing Conditions.

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