

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) September 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		Cattle Point PM	Flemming		Pedder Bay		Prestige Hotel Ramp		Sooke Harbour Marina	
		AM	PM		AM	PM	AM	PM	AM	PM	AM	PM
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									
04 Sep 2022	Weekend	12					19					
05 Sep 2022	Weekend						18			27		
06 Sep 2022	Midweek										8	
07 Sep 2022	Midweek											
08 Sep 2022	Midweek						12					
09 Sep 2022	Midweek	6										
10 Sep 2022	Weekend								18		12	
11 Sep 2022	Weekend	18						32				
12 Sep 2022	Midweek							13				
13 Sep 2022	Midweek											
14 Sep 2022	Midweek											
15 Sep 2022	Midweek									1		
16 Sep 2022	Midweek								6			
17 Sep 2022	Weekend				3			26		27		
18 Sep 2022	Weekend					4						
19 Sep 2022	Midweek		14		2							
20 Sep 2022	Midweek											
21 Sep 2022	Midweek											
22 Sep 2022	Midweek									1		
23 Sep 2022	Midweek					1		14				
24 Sep 2022	Weekend					2						7
25 Sep 2022	Weekend										11	
26 Sep 2022	Midweek						14					
27 Sep 2022	Midweek								1			
28 Sep 2022	Midweek											2
29 Sep 2022	Midweek		5									
30 Sep 2022	Midweek											6
01 Oct 2022	Weekend			1					33			
02 Oct 2022	Weekend					6	34					27
03 Oct 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-Aug-2022	Monday	calm/rippled	10	14	2			162	0948	255
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	169
02-Sep-2022	Friday	choppy	15	12	3					
03-Sep-2022	Saturday	choppy	15	5	8			230	1051	376
04-Sep-2022	Sunday	calm/rippled	32	30	14					
05-Sep-2022	Monday (Labour Day)	choppy	47	40	11					
06-Sep-2022	Tuesday	choppy	8	13	7					
07-Sep-2022	Wednesday		0					41	1041	65
08-Sep-2022	Thursday	choppy	13	14	11					
09-Sep-2022	Friday	calm/rippled	7	1	5					
10-Sep-2022	Saturday	frequent whitecaps	31	26	9			161	1046	263
11-Sep-2022	Sunday	choppy	51	22	8					
12-Sep-2022	Monday	choppy	13	2	3			95	1051	159
13-Sep-2022	Tuesday		1	1						
14-Sep-2022	Wednesday		1	1						
15-Sep-2022	Thursday	choppy	3	4	8					
16-Sep-2022	Friday	choppy	6	4	10					
17-Sep-2022	Saturday	choppy	56	10	63		2			
18-Sep-2022	Sunday	calm/rippled	4		6			218	1045	344
19-Sep-2022	Monday	choppy	16	2	13					
20-Sep-2022	Tuesday		0							
21-Sep-2022	Wednesday		0					103	1047	173
22-Sep-2022	Thursday	frequent whitecaps	1							
23-Sep-2022	Friday	calm/rippled	15	6	12					
24-Sep-2022	Saturday	calm/rippled	9	2	10					
25-Sep-2022	Sunday	calm/rippled	11	6	21			209	1047	342
26-Sep-2022	Monday	calm/rippled	14	3	7					
27-Sep-2022	Tuesday	choppy	1		1					
28-Sep-2022	Wednesday	choppy	2	1	3					
29-Sep-2022	Thursday	frequent whitecaps	5		7					
30-Sep-2022	Friday	calm/rippled	6	1	8		1			
01-Oct-2022	Saturday	choppy	34	1	136			253	1024	400
02-Oct-2022	Sunday	calm/rippled	67	5	222		1			
03-Oct-2022	Monday		1		4					
	Totals	choppy	150	86	108		1	87*		142*
	Totals	choppy	256	141	150		2	205*		331*

* 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	142	21	2982	0.573	0.72		0.007	1709	2147		21
Weekend	331	9	2979	0.551	0.586		0.008	1641	1746		24

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	September	8560	3127	5167		403
2018	September	6247	1800	4906	383	
2019	September	6617	1725	3966		53
2020	September	7684	883	5681	16	152
2021	September	4490	1606	2181	0	27
2022	September	6503	3895	4678	0	29
5-Yr Avg	September	6720	1828	4380	133	159

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	4926	83%	22%	5437	85%	20%	1106
Chinook	1837	36%	20%	1405	62%	26%	366

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	582	9%
iRec Anglers	1925	15%
iRec Anglers	6154	14%

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

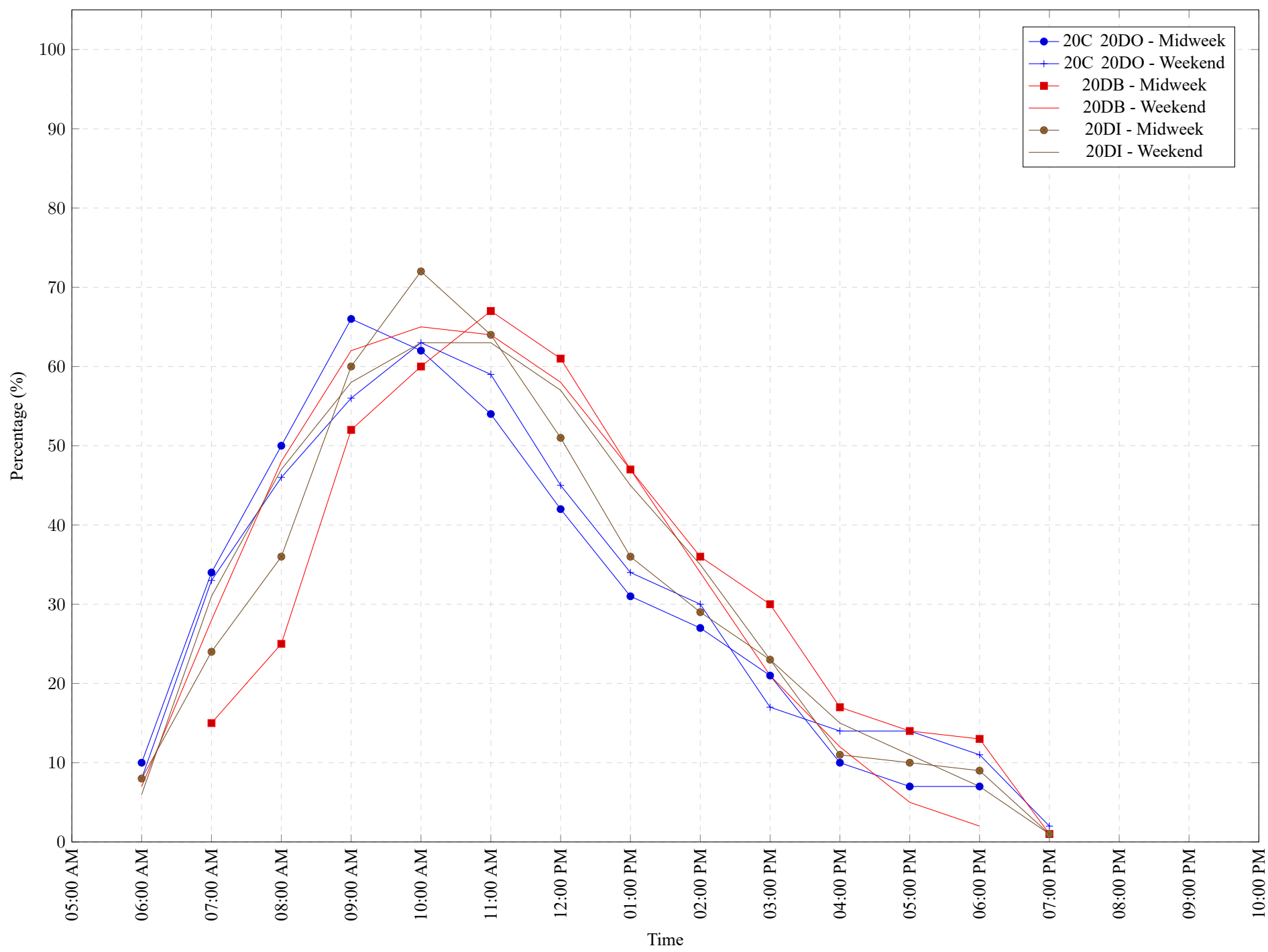


Table 7: Proportion of each day's fishing by hour.

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 20DO	Midweek	10%	34%	50%	66%	62%	54%	42%	31%	27%	21%	10%	7%	7%	0%	0%	0%	0%
20C 20DO	Weekend	8%	33%	46%	56%	63%	59%	45%	34%	30%	17%	14%	14%	11%	2%	0%	0%	0%
20DB	Midweek	0%	15%	25%	52%	60%	67%	61%	47%	36%	30%	17%	14%	13%	1%	0%	0%	0%
20DB	Weekend	7%	28%	48%	62%	65%	64%	58%	47%	34%	21%	12%	5%	2%	0%	0%	0%	0%
20DI	Midweek	8%	24%	36%	60%	72%	64%	51%	36%	29%	23%	11%	10%	9%	1%	0%	0%	0%
20DI	Weekend	6%	31%	47%	58%	63%	63%	57%	45%	35%	23%	15%	11%	7%	1%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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