

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) July 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Friday 9th February, 2024



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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
28 Jun 2023	Midweek										
29 Jun 2023	Midweek										
30 Jun 2023	Midweek										
01 Jul 2023	Weekend						7		1		
02 Jul 2023	Weekend				4						24
03 Jul 2023	Weekend										
04 Jul 2023	Midweek				1						
05 Jul 2023	Midweek								12		
06 Jul 2023	Midweek										
07 Jul 2023	Midweek										
08 Jul 2023	Weekend		4							9	
09 Jul 2023	Weekend										
10 Jul 2023	Midweek					3		3			
11 Jul 2023	Midweek									7	
12 Jul 2023	Midweek										
13 Jul 2023	Midweek								2		
14 Jul 2023	Midweek										8
15 Jul 2023	Weekend		4								
16 Jul 2023	Weekend						11	3			
17 Jul 2023	Midweek										
18 Jul 2023	Midweek	6					11				
19 Jul 2023	Midweek										
20 Jul 2023	Midweek									6	
21 Jul 2023	Midweek	4									
22 Jul 2023	Weekend							15			
23 Jul 2023	Weekend								8		
24 Jul 2023	Midweek						16				
25 Jul 2023	Midweek								6		
26 Jul 2023	Midweek					17					
27 Jul 2023	Midweek		1								
28 Jul 2023	Midweek										
29 Jul 2023	Weekend	19		1						26	
30 Jul 2023	Weekend	10									
31 Jul 2023	Midweek										
01 Aug 2023	Midweek	17									
02 Aug 2023	Midweek									28	
03 Aug 2023	Midweek		6								

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
28-Jun-2023	Wednesday		1		1					
29-Jun-2023	Thursday		1		3					
30-Jun-2023	Friday		0					41	0948	79
01-Jul-2023	Saturday	frequent whitecaps	9	1	2			39	1004	75
02-Jul-2023	Sunday	calm/rippled	29	3	19			20	0945	35
03-Jul-2023	Monday (Canada Day)		1		2					
04-Jul-2023	Tuesday	calm/rippled	2	1				56	1014	99
05-Jul-2023	Wednesday	calm/rippled	13		5					
06-Jul-2023	Thursday		2		6					
07-Jul-2023	Friday		1		5					
08-Jul-2023	Saturday	frequent whitecaps	13	1	27			64	1021	124
09-Jul-2023	Sunday		0							
10-Jul-2023	Monday	frequent whitecaps	7		4			30	1022	53
11-Jul-2023	Tuesday	choppy	7		17					
12-Jul-2023	Wednesday		3		3					
13-Jul-2023	Thursday	frequent whitecaps	4							
14-Jul-2023	Friday	frequent whitecaps	9		1			100	0949	194
15-Jul-2023	Saturday	frequent whitecaps	4		1			174	0954	310
16-Jul-2023	Sunday	frequent whitecaps	14		9					
17-Jul-2023	Monday		1							
18-Jul-2023	Tuesday	choppy	20	6	8					
19-Jul-2023	Wednesday		2		1			130	1010	231
20-Jul-2023	Thursday	calm/rippled	8		8					
21-Jul-2023	Friday	choppy	4	1	4					
22-Jul-2023	Saturday	frequent whitecaps	15		7			113	1020	218
23-Jul-2023	Sunday	choppy	9	3	1					
24-Jul-2023	Monday	calm/rippled	17	1	3			69	1017	123
25-Jul-2023	Tuesday	choppy	8		2					
26-Jul-2023	Wednesday	calm/rippled	18	2	6					
27-Jul-2023	Thursday	frequent whitecaps	2							
28-Jul-2023	Friday		1							
29-Jul-2023	Saturday	choppy	46	9	12					
30-Jul-2023	Sunday	choppy	12	1	3					
31-Jul-2023	Monday		1		1					
01-Aug-2023	Tuesday	calm/rippled	18	13	1					
02-Aug-2023	Wednesday	calm/rippled	29	14	5			120	0947	233
03-Aug-2023	Thursday	choppy	6	3	1					
	Totals	choppy	130	11	74			77*		140*
	Totals	choppy	152	18	83			82*		152*

* 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	152	11	1672	0.118	0.546			197	913		
Midweek	140	20	2800	0.085	0.569			238	1593		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	July	6600	4849	132		
2019	July	3548	0	169	0	111
2020	July	4160	121	3142	0	120
2021	July	3039	195	701	0	34
2022	July	5377	438	8245	0	100
2023	July	5009	462	3200	0	0
5-Yr Avg	July	4545	1121	2478	0	91

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	3326	99%	10%	1183	84%	27%	318
Chinook	547	56%	25%	665	65%	21%	138

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	497	21%
iRec Anglers	1546	41%
iRec Anglers	5135	21%

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

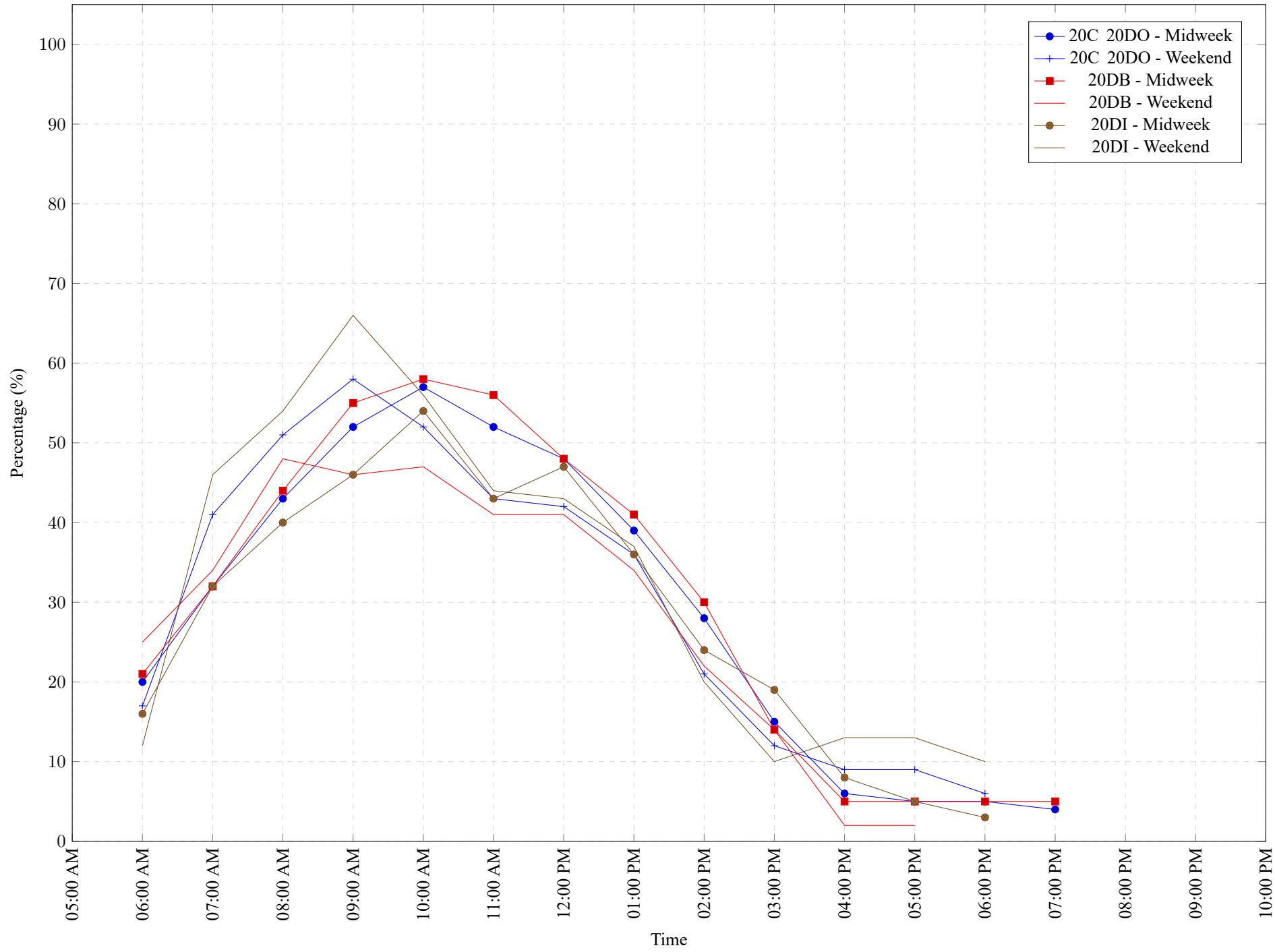


Table 7: Proportion of each day's fishing by hour.

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	20DO	Midweek	20%	32%	43%	52%	57%	52%	48%	39%	28%	15%	6%	5%	5%	4%	0%	0%	0%
20C	20DO	Weekend	17%	41%	51%	58%	52%	43%	42%	36%	21%	12%	9%	9%	6%	0%	0%	0%	0%
20DB		Midweek	21%	32%	44%	55%	58%	56%	48%	41%	30%	14%	5%	5%	5%	5%	0%	0%	0%
20DB		Weekend	25%	34%	48%	46%	47%	41%	41%	34%	22%	14%	2%	2%	0%	0%	0%	0%	0%
20DI		Midweek	16%	32%	40%	46%	54%	43%	47%	36%	24%	19%	8%	5%	3%	0%	0%	0%	0%
20DI		Weekend	12%	46%	54%	66%	56%	44%	43%	37%	20%	10%	13%	13%	10%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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