

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) July 2024



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 12th September, 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		Cheanuh		Flemming		Pedder Bay		Prestige Hotel Ramp		Sooke Harbour Marina	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
28 Jun 2024	Midweek								11				
29 Jun 2024	Weekend			38									2
30 Jun 2024	Weekend									20			
01 Jul 2024	Weekend												
02 Jul 2024	Midweek							6					
03 Jul 2024	Midweek						2						
04 Jul 2024	Midweek			13								2	
05 Jul 2024	Midweek										10		
06 Jul 2024	Weekend					3		14					
07 Jul 2024	Weekend		4										
08 Jul 2024	Midweek		10										
09 Jul 2024	Midweek								11				
10 Jul 2024	Midweek												1
11 Jul 2024	Midweek									5			
12 Jul 2024	Midweek		7										
13 Jul 2024	Weekend			15					28				
14 Jul 2024	Weekend											11	
15 Jul 2024	Midweek							10					
16 Jul 2024	Midweek												
17 Jul 2024	Midweek								4			7	
18 Jul 2024	Midweek												
19 Jul 2024	Midweek				9								
20 Jul 2024	Weekend						6			16			2
21 Jul 2024	Weekend		1		3						2		
22 Jul 2024	Midweek												
23 Jul 2024	Midweek										4		
24 Jul 2024	Midweek												5
25 Jul 2024	Midweek	1								7			
26 Jul 2024	Midweek				13								
27 Jul 2024	Weekend										14		
28 Jul 2024	Weekend								8				15
29 Jul 2024	Midweek												
30 Jul 2024	Midweek												
31 Jul 2024	Midweek	2		16									
01 Aug 2024	Midweek										7	31	
02 Aug 2024	Midweek												
03 Aug 2024	Weekend						1					21	

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-2024	Friday	calm/rippled	11	1	2					
29-Jun-2024	Saturday	calm/rippled	40	7	31		3			
30-Jun-2024	Sunday	choppy	20	3	11		6			
01-Jul-2024	Monday (Canada Day)		0					12	0954	18
02-Jul-2024	Tuesday		0							
03-Jul-2024	Wednesday	calm/rippled	6	2	12					
04-Jul-2024	Thursday	calm/rippled	15	7	12			37	0955	75
05-Jul-2024	Friday	calm/rippled	12		4					
06-Jul-2024	Saturday	calm/rippled	17	5	8			127	1009	182
07-Jul-2024	Sunday	calm/rippled	4		2					
08-Jul-2024	Monday	calm/rippled	10	4	1					
09-Jul-2024	Tuesday	calm/rippled	11		1					
10-Jul-2024	Wednesday	choppy	1							
11-Jul-2024	Thursday	calm/rippled	5		1					
12-Jul-2024	Friday	calm/rippled	7	2	3			79	1000	160
13-Jul-2024	Saturday	calm/rippled	43	1	31		1			
14-Jul-2024	Sunday	calm/rippled	11		30			110	1010	157
15-Jul-2024	Monday		0					26	1055	55
16-Jul-2024	Tuesday	calm/rippled	10		5					
17-Jul-2024	Wednesday	choppy	11	1	9					
18-Jul-2024	Thursday		0					28	0959	56
19-Jul-2024	Friday	choppy	9	6	3					
20-Jul-2024	Saturday	choppy	24		42			16	0948	23
21-Jul-2024	Sunday	frequent whitecaps	6		1			45	0947	66
22-Jul-2024	Monday		0							
23-Jul-2024	Tuesday	calm/rippled	4					28	1001	56
24-Jul-2024	Wednesday	calm/rippled	5							
25-Jul-2024	Thursday	choppy	8	2	11					
26-Jul-2024	Friday	choppy	13	1	15			114	0952	261
27-Jul-2024	Saturday	calm/rippled	14		18		5	17	0945	25
28-Jul-2024	Sunday	choppy	23		13		3			
29-Jul-2024	Monday		0							
30-Jul-2024	Tuesday		0							
31-Jul-2024	Wednesday	calm/rippled	18	10	3					
01-Aug-2024	Thursday	choppy	38	69	6					
02-Aug-2024	Friday		0					180	0956	363
03-Aug-2024	Saturday	calm/rippled	22	12	1			224	1002	321
	Totals	calm/rippled	145	35	80			52*		111*
	Totals	choppy	142	6	145		9	55*		79*

* 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	111	22	2442	0.241	0.552			589	1348		
Weekend	79	9	711	0.042	1.021		0.063	30	726		45

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2024	July	3663	742	3065	0	76
5-Yr Avg	July	4227	243	3091	0	73

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	2904	97%	2%		%		48
Chinook	983	67%	4%		%		36

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	561	19%

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

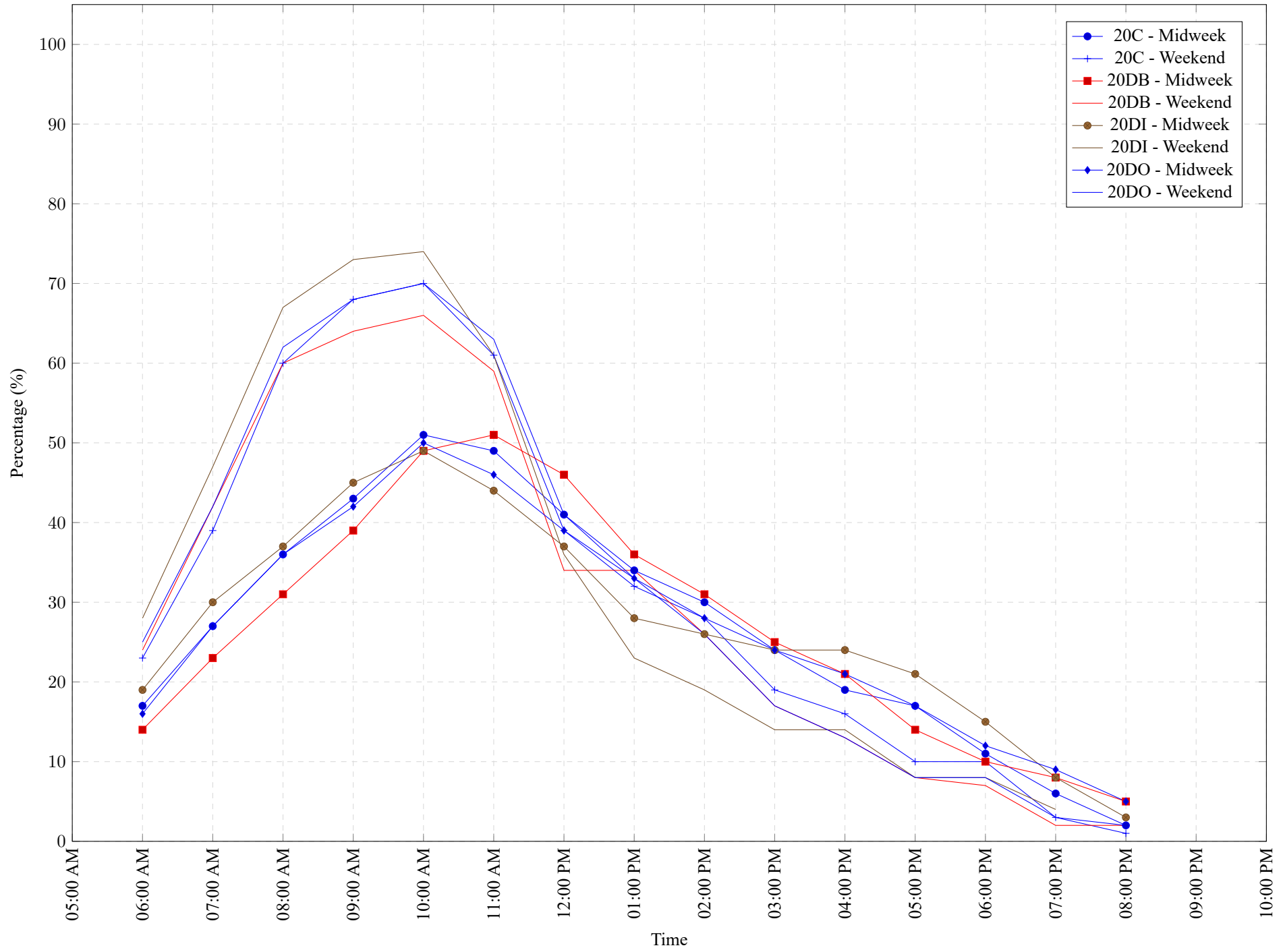


Table 7: Proportion of each day's fishing by hour.

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	Midweek	17%	27%	36%	43%	51%	49%	41%	34%	30%	24%	19%	17%	11%	6%	2%	0%	0%
20C	Weekend	23%	39%	60%	68%	70%	61%	39%	32%	28%	19%	16%	10%	10%	3%	1%	0%	0%
20DB	Midweek	14%	23%	31%	39%	49%	51%	46%	36%	31%	25%	21%	14%	10%	8%	5%	0%	0%
20DB	Weekend	24%	42%	60%	64%	66%	59%	34%	34%	26%	17%	13%	8%	7%	2%	2%	0%	0%
20DI	Midweek	19%	30%	37%	45%	49%	44%	37%	28%	26%	24%	24%	21%	15%	8%	3%	0%	0%
20DI	Weekend	28%	47%	67%	73%	74%	61%	36%	23%	19%	14%	14%	8%	8%	4%	0%	0%	0%
20DO	Midweek	16%	27%	36%	42%	50%	46%	39%	33%	28%	24%	21%	17%	12%	9%	5%	0%	0%
20DO	Weekend	25%	42%	62%	68%	70%	63%	41%	33%	26%	17%	13%	8%	8%	3%	2%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Becher Bay	Cheanuh	Flemming	Pedder Bay	Prestige Hotel Ramp	Sooke Harbour Marina
28 Jun 2024	Midweek				calm/rippled		
29 Jun 2024	Weekend		calm/rippled				calm/rippled
30 Jun 2024	Weekend					choppy	
01 Jul 2024	Weekend						
02 Jul 2024	Midweek						
03 Jul 2024	Midweek				calm/rippled		
04 Jul 2024	Midweek		calm/rippled	calm/rippled			
05 Jul 2024	Midweek					calm/rippled	calm/rippled
06 Jul 2024	Weekend			calm/rippled	calm/rippled		
07 Jul 2024	Weekend	calm/rippled					
08 Jul 2024	Midweek	calm/rippled					
09 Jul 2024	Midweek				calm/rippled		
10 Jul 2024	Midweek						choppy
11 Jul 2024	Midweek					calm/rippled	
12 Jul 2024	Midweek	calm/rippled					
13 Jul 2024	Weekend		choppy		calm/rippled		
14 Jul 2024	Weekend						calm/rippled
15 Jul 2024	Midweek						
16 Jul 2024	Midweek				calm/rippled		
17 Jul 2024	Midweek				frequent whitecaps		calm/rippled
18 Jul 2024	Midweek						
19 Jul 2024	Midweek		choppy				
20 Jul 2024	Weekend			frequent whitecaps		calm/rippled	calm/rippled
21 Jul 2024	Weekend	frequent whitecaps	frequent whitecaps			choppy	
22 Jul 2024	Midweek						
23 Jul 2024	Midweek					calm/rippled	
24 Jul 2024	Midweek						calm/rippled
25 Jul 2024	Midweek	calm/rippled				choppy	
26 Jul 2024	Midweek		choppy				
27 Jul 2024	Weekend					calm/rippled	
28 Jul 2024	Weekend				calm/rippled		choppy
29 Jul 2024	Midweek						
30 Jul 2024	Midweek						
31 Jul 2024	Midweek	calm/rippled	calm/rippled				
01 Aug 2024	Midweek					choppy	choppy
02 Aug 2024	Midweek						
03 Aug 2024	Weekend			choppy			calm/rippled