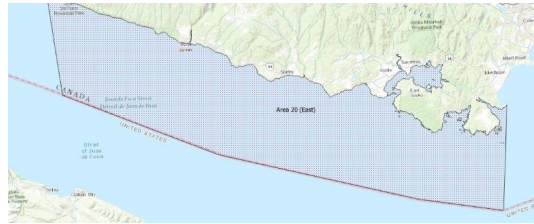


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) June 2024



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 8th August, 2024



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

Date	Day Type	Becher Bay		Cheanuh		Flem- ming	Pedder Bay		Prestige Hotel Ramp		Sooke Harbour Marina	
		AM	PM	AM	PM	AM	AM	PM	AM	PM	AM	PM
29 May 2024	Midweek											
30 May 2024	Midweek											
31 May 2024	Midweek											
01 Jun 2024	Weekend									7	2	
02 Jun 2024	Weekend											
03 Jun 2024	Midweek											
04 Jun 2024	Midweek											
05 Jun 2024	Midweek											
06 Jun 2024	Midweek					1						
07 Jun 2024	Midweek				25							
08 Jun 2024	Weekend									11		
09 Jun 2024	Weekend	4			2							
10 Jun 2024	Midweek						2					
11 Jun 2024	Midweek	1										
12 Jun 2024	Midweek		1									
13 Jun 2024	Midweek											
14 Jun 2024	Midweek											
15 Jun 2024	Weekend						11					
16 Jun 2024	Weekend							14				
17 Jun 2024	Midweek			10						1		
18 Jun 2024	Midweek											
19 Jun 2024	Midweek											
20 Jun 2024	Midweek					1						
21 Jun 2024	Midweek											1
22 Jun 2024	Weekend		1					7				3
23 Jun 2024	Weekend											
24 Jun 2024	Midweek											
25 Jun 2024	Midweek	6										
26 Jun 2024	Midweek			5						3		
27 Jun 2024	Midweek											1
28 Jun 2024	Midweek							11				
29 Jun 2024	Weekend			38								2
30 Jun 2024	Weekend								20			
01 Jul 2024	Weekend									7		
02 Jul 2024	Midweek											
03 Jul 2024	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
29-May-2024	Wednesday		2							
30-May-2024	Thursday		1					16	0956	64
31-May-2024	Friday		0							
01-Jun-2024	Saturday	calm/rippled	9		1		8	51	1105	102
02-Jun-2024	Sunday		0							
03-Jun-2024	Monday		0							
04-Jun-2024	Tuesday		1							
05-Jun-2024	Wednesday		1							
06-Jun-2024	Thursday	calm/rippled	2							
07-Jun-2024	Friday	calm/rippled	25	4				28	1101	110
08-Jun-2024	Saturday	calm/rippled	11				8			
09-Jun-2024	Sunday	frequent whitecaps	6	4				13	1103	26
10-Jun-2024	Monday	calm/rippled	2							
11-Jun-2024	Tuesday	choppy	2							
12-Jun-2024	Wednesday	calm/rippled	2							
13-Jun-2024	Thursday		1							
14-Jun-2024	Friday		0							
15-Jun-2024	Saturday	frequent whitecaps	11	5	4			37	1108	74
16-Jun-2024	Sunday	choppy	14	1	1					
17-Jun-2024	Monday	choppy	11	3	6			14	1101	56
18-Jun-2024	Tuesday		1							
19-Jun-2024	Wednesday		1							
20-Jun-2024	Thursday	calm/rippled	2					54	1100	213
21-Jun-2024	Friday	choppy	1		8					
22-Jun-2024	Saturday	frequent whitecaps	11				1	35	1056	70
23-Jun-2024	Sunday		0							
24-Jun-2024	Monday		0					26	1105	103
25-Jun-2024	Tuesday	calm/rippled	7	1						
26-Jun-2024	Wednesday	choppy	9	3						
27-Jun-2024	Thursday	frequent whitecaps	2							
28-Jun-2024	Friday	calm/rippled	11	1	2					
29-Jun-2024	Saturday	calm/rippled	40	7	30		3			
30-Jun-2024	Sunday	choppy	20	3	11		6			
01-Jul-2024	Monday (Canada Day)	choppy	7	25	1			12	0954	17
02-Jul-2024	Tuesday		0							
03-Jul-2024	Wednesday	calm/rippled	6	2	12					
	Totals	choppy	81	12	16			31*		121*
	Totals	choppy	122	20	47		26	34*		68*

* 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	121	20	2420	0.148	0.198			358	479		
Weekend	68	10	680	0.164	0.385		0.213	112	262		145

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2019	June	1038	2	548		0
2020	June	1124	13	694		172
2021	June	1511	110	1455	0	4
2022	June	2095	150	1278	0	61
2023	June	2081	45	192		23
2024	June	2898	435	728		81
5-Yr Avg	June	1570	64	833	0	52

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
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Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	316	27%
iRec Anglers	286	37%
iRec Anglers	2267	29%

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

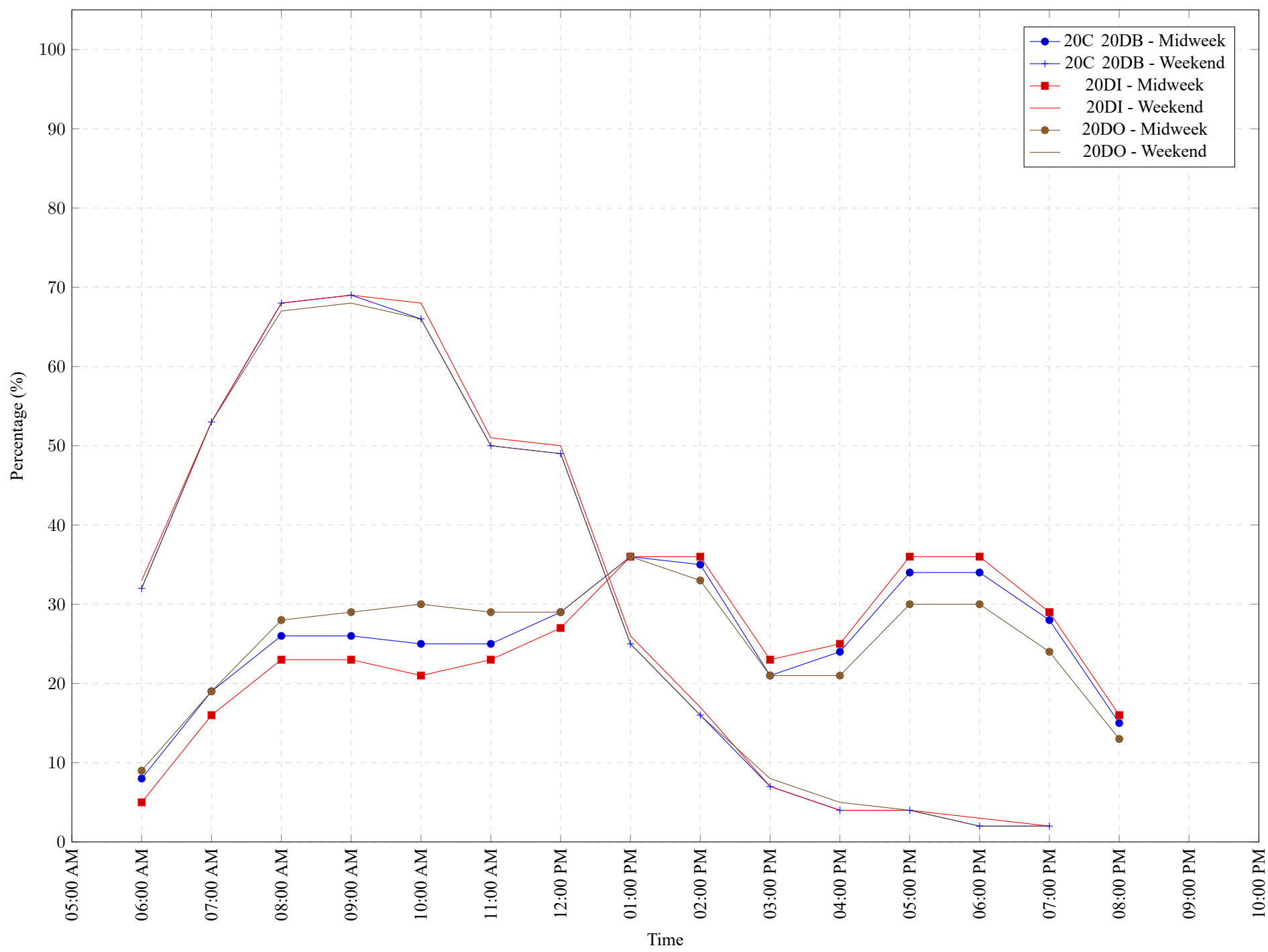


Table 7: Proportion of each day's fishing by hour.

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	Midweek	8%	19%	26%	26%	25%	25%	29%	36%	35%	21%	24%	34%	34%	28%	15%	0%	0%
20C	20DB	Weekend	32%	53%	68%	69%	66%	50%	49%	25%	16%	7%	4%	4%	2%	2%	0%	0%	0%
	20DI	Midweek	5%	16%	23%	23%	21%	23%	27%	36%	36%	23%	25%	36%	36%	29%	16%	0%	0%
	20DI	Weekend	33%	53%	68%	69%	68%	51%	50%	26%	17%	7%	4%	4%	3%	2%	0%	0%	0%
	20DO	Midweek	9%	19%	28%	29%	30%	29%	29%	36%	33%	21%	21%	30%	30%	24%	13%	0%	0%
	20DO	Weekend	32%	53%	67%	68%	66%	50%	49%	25%	16%	8%	5%	4%	2%	2%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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