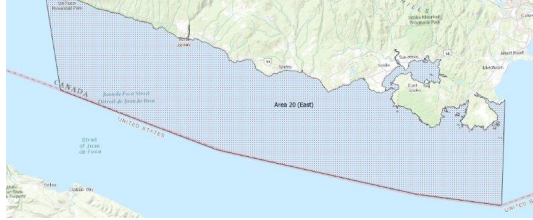


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) September 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 10th February, 2024



Fisheries and Oceans
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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		Sidney (Tulista Park Ramp) AM	Sooke Harbour Marina	
		AM	PM	AM	PM	AM	PM	AM	PM		AM	PM
29 Aug 2023	Midweek											
30 Aug 2023	Midweek							8			12	
31 Aug 2023	Midweek			1			16					
01 Sep 2023	Midweek								26			
02 Sep 2023	Weekend						56					21
03 Sep 2023	Weekend				4							
04 Sep 2023	Weekend								30		20	
05 Sep 2023	Midweek											1
06 Sep 2023	Midweek						16					
07 Sep 2023	Midweek		5									
08 Sep 2023	Midweek											
09 Sep 2023	Weekend											
10 Sep 2023	Weekend		8			24		12				
11 Sep 2023	Midweek								7		2	
12 Sep 2023	Midweek											
13 Sep 2023	Midweek						18					
14 Sep 2023	Midweek				2							
15 Sep 2023	Midweek					9						
16 Sep 2023	Weekend											16
17 Sep 2023	Weekend	13										
18 Sep 2023	Midweek											
19 Sep 2023	Midweek	5										
20 Sep 2023	Midweek							5				
21 Sep 2023	Midweek											
22 Sep 2023	Midweek											
23 Sep 2023	Weekend											
24 Sep 2023	Weekend	13							3			
25 Sep 2023	Midweek		1									
26 Sep 2023	Midweek											
27 Sep 2023	Midweek											
28 Sep 2023	Midweek									1		
29 Sep 2023	Midweek											
30 Sep 2023	Weekend						32					
01 Oct 2023	Weekend			3								
02 Oct 2023	Midweek							9				
03 Oct 2023	Midweek								13			

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-2023	Tuesday		1	3						
30-Aug-2023	Wednesday	calm/rippled	22	24	11			74	1000	102
31-Aug-2023	Thursday	calm/rippled	18	13	19					
01-Sep-2023	Friday	calm/rippled	27	28	23		4	230	0945	414
02-Sep-2023	Saturday	choppy	78	73	59		1			
03-Sep-2023	Sunday	choppy	5	7	5					
04-Sep-2023	Monday (Labour Day)	calm/rippled	51	33	32		2	274	0937	448
05-Sep-2023	Tuesday	frequent whitecaps	2	3	3					
06-Sep-2023	Wednesday	calm/rippled	17	12	23					
07-Sep-2023	Thursday	calm/rippled	5	1	3			6	0910	11
08-Sep-2023	Friday		1		1					
09-Sep-2023	Saturday		1	1	3			255	0945	418
10-Sep-2023	Sunday	choppy	45	11	31					
11-Sep-2023	Monday	choppy	9	4	4					
12-Sep-2023	Tuesday		0							
13-Sep-2023	Wednesday	calm/rippled	19	11	13					
14-Sep-2023	Thursday	calm/rippled	3		2					
15-Sep-2023	Friday	calm/rippled	10	4	2			89	0940	161
16-Sep-2023	Saturday	frequent whitecaps	17	2	6		1	92	0920	151
17-Sep-2023	Sunday	calm/rippled	14		2					
18-Sep-2023	Monday		0							
19-Sep-2023	Tuesday	choppy	5		1					
20-Sep-2023	Wednesday	calm/rippled	5		12					
21-Sep-2023	Thursday		0							
22-Sep-2023	Friday		1		2					
23-Sep-2023	Saturday		0							
24-Sep-2023	Sunday	choppy	16	1	9			61	1024	86
25-Sep-2023	Monday	calm/rippled	1	1	1					
26-Sep-2023	Tuesday		0							
27-Sep-2023	Wednesday		0							
28-Sep-2023	Thursday	frequent whitecaps	1					16	0950	22
29-Sep-2023	Friday		0							
30-Sep-2023	Saturday	calm/rippled	33	4	16					
01-Oct-2023	Sunday	calm/rippled	3		7			271	0954	443
02-Oct-2023	Monday	calm/rippled	9	5	22					
03-Oct-2023	Tuesday	calm/rippled	13	3	20					
	Totals	choppy	106	64	90		4	85*		152*
	Totals	choppy	260	132	163		4	171*		276*

* 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	152	20	3040	0.604	0.849		0.038	1836	2581		116
Weekend	276	10	2760	0.508	0.627		0.015	1402	1731		41

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2023	September	5767	3494	4378	0	57
5-Yr Avg	September	6308	1982	4282	100	65

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	4230	90%	13%	4173	87%	13%	554
Chinook	808	21%	26%	1197	46%	17%	208

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	431	7%
iRec Anglers	1930	13%
iRec Anglers	5347	14%

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

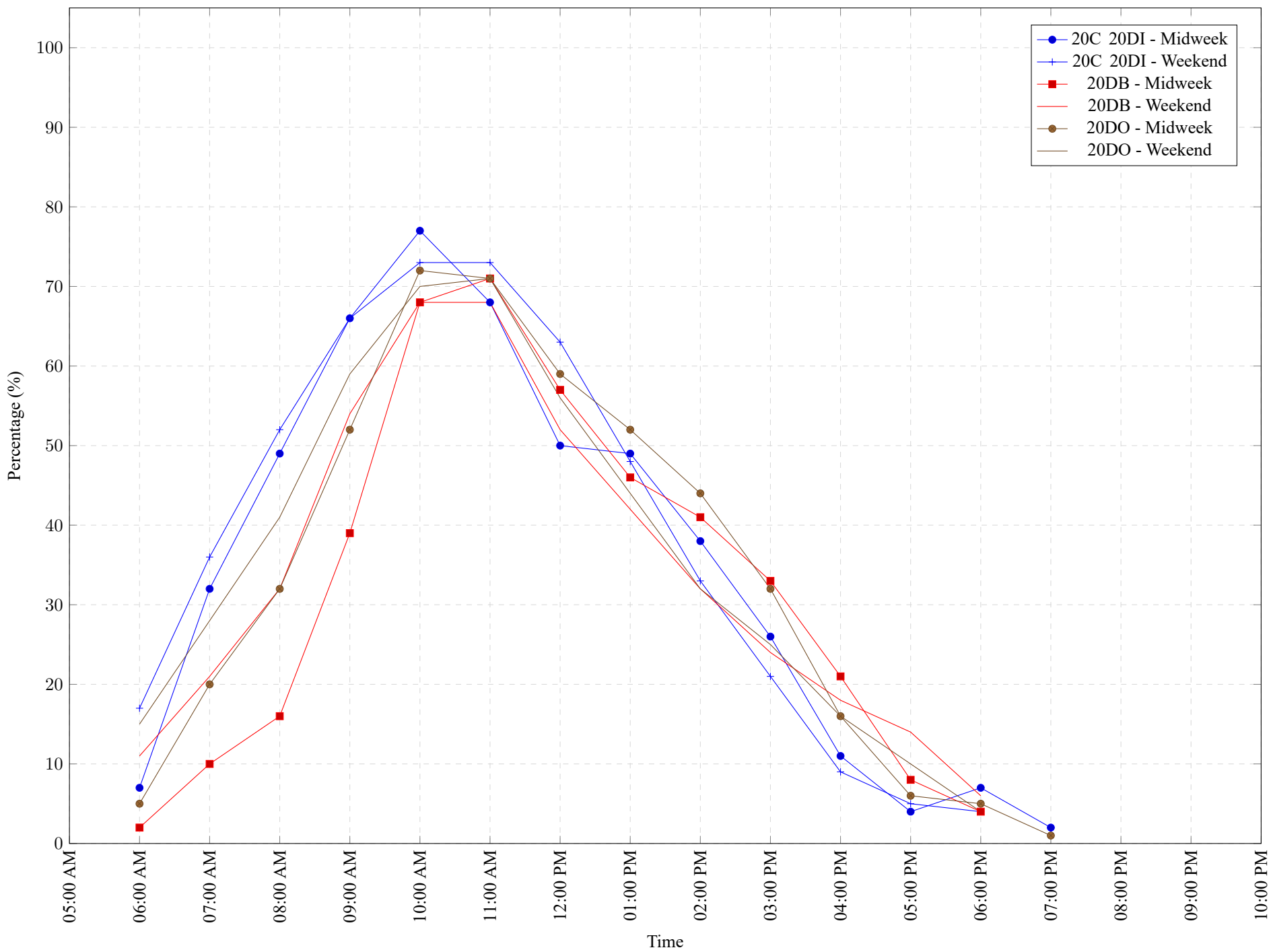


Table 7: Proportion of each day's fishing by hour.

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	7%	32%	49%	66%	77%	68%	50%	49%	38%	26%	11%	4%	7%	2%	0%	0%	0%
20C 20DI	Weekend	17%	36%	52%	66%	73%	73%	63%	48%	33%	21%	9%	5%	4%	0%	0%	0%	0%
20DB	Midweek	2%	10%	16%	39%	68%	71%	57%	46%	41%	33%	21%	8%	4%	0%	0%	0%	0%
20DB	Weekend	11%	21%	32%	54%	68%	68%	52%	42%	32%	24%	18%	14%	6%	0%	0%	0%	0%
20DO	Midweek	5%	20%	32%	52%	72%	71%	59%	52%	44%	32%	16%	6%	5%	1%	0%	0%	0%
20DO	Weekend	15%	28%	41%	59%	70%	71%	56%	44%	32%	25%	16%	10%	4%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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