

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) May 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 8th 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		Flem- ming PM	Pedder Bay		Prestige Hotel Ramp		Sooke Harbour Marina	
		AM	PM		AM	PM	AM	PM	AM	PM
28 Apr 2023	Midweek									
29 Apr 2023	Weekend									
30 Apr 2023	Weekend									
01 May 2023	Midweek			1						
02 May 2023	Midweek					7				
03 May 2023	Midweek									
04 May 2023	Midweek									
05 May 2023	Midweek		2					1		
06 May 2023	Weekend									
07 May 2023	Weekend		2							
08 May 2023	Midweek									
09 May 2023	Midweek									
10 May 2023	Midweek							2		
11 May 2023	Midweek									
12 May 2023	Midweek				12					
13 May 2023	Weekend									
14 May 2023	Weekend					11			2	
15 May 2023	Midweek									
16 May 2023	Midweek									
17 May 2023	Midweek									
18 May 2023	Midweek									
19 May 2023	Midweek								3	
20 May 2023	Weekend	9								
21 May 2023	Weekend									
22 May 2023	Weekend				8					
23 May 2023	Midweek									
24 May 2023	Midweek									
25 May 2023	Midweek									
26 May 2023	Midweek		4							
27 May 2023	Weekend						4			
28 May 2023	Weekend									
29 May 2023	Midweek									
30 May 2023	Midweek									
31 May 2023	Midweek									
01 Jun 2023	Midweek									
02 Jun 2023	Midweek									1
03 Jun 2023	Weekend			1						

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-Apr-2023	Friday		0							
29-Apr-2023	Saturday		0					20	1000	33
30-Apr-2023	Sunday		0							
01-May-2023	Monday	choppy	1							
02-May-2023	Tuesday	calm/rippled	7							
03-May-2023	Wednesday		0							
04-May-2023	Thursday		0							
05-May-2023	Friday	choppy	3					9	1009	12
06-May-2023	Saturday		0					24	1018	38
07-May-2023	Sunday	choppy	2	3						
08-May-2023	Monday		0							
09-May-2023	Tuesday		0							
10-May-2023	Wednesday	calm/rippled	2				2			
11-May-2023	Thursday		0							
12-May-2023	Friday	calm/rippled	12							
13-May-2023	Saturday		0					41	1021	66
14-May-2023	Sunday	calm/rippled	13				6			
15-May-2023	Monday		0							
16-May-2023	Tuesday		0							
17-May-2023	Wednesday		0							
18-May-2023	Thursday		0					7	0949	10
19-May-2023	Friday	calm/rippled	3							
20-May-2023	Saturday	frequent whitecaps	10					21	1003	34
21-May-2023	Sunday		0							
22-May-2023	Monday (Victoria Day)	frequent whitecaps	8							
23-May-2023	Tuesday		0					28	1010	37
24-May-2023	Wednesday		0							
25-May-2023	Thursday		0							
26-May-2023	Friday	frequent whitecaps	4							
27-May-2023	Saturday	frequent whitecaps	4				3			
28-May-2023	Sunday		0							
29-May-2023	Monday		0							
30-May-2023	Tuesday		0							
31-May-2023	Wednesday		0							
01-Jun-2023	Thursday		0							
02-Jun-2023	Friday	frequent whitecaps	1							
03-Jun-2023	Saturday	frequent whitecaps	1					29	1016	46
	Totals	choppy	32				2	15*		20*
	Totals	choppy	37	3			9	29*		46*

* 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	46	9	414	0.081			0.243	34			101
Midweek	20	22	440				0.063				28

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	May	1426	353			78
2019	May	885	0			123
2020	May	359				25
2021	May	808	8	0		135
2022	May	1199	0			51
2023	May	998	25			36
5-Yr Avg	May	935	90	0		82

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
Chinook	25	100%	160%	58	84%	69%	40

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	69	9%
iRec Anglers	411	34%
iRec Anglers	1002	17%

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

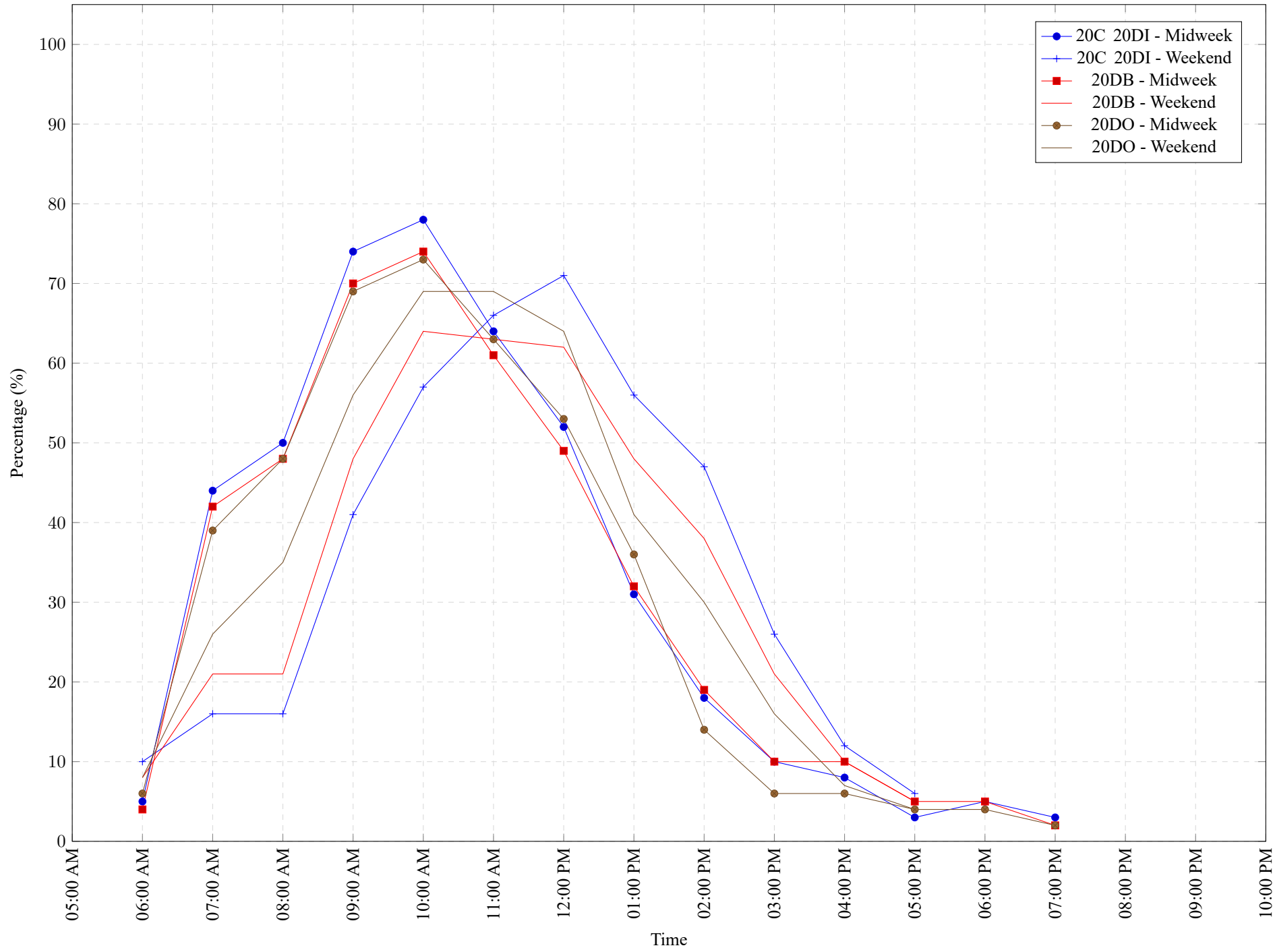


Table 7: Proportion of each day's fishing by hour.

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	5%	44%	50%	74%	78%	64%	52%	31%	18%	10%	8%	3%	5%	3%	0%	0%	0%
20C 20DI	Weekend	10%	16%	16%	41%	57%	66%	71%	56%	47%	26%	12%	6%	0%	0%	0%	0%	0%
20DB	Midweek	4%	42%	48%	70%	74%	61%	49%	32%	19%	10%	10%	5%	5%	2%	0%	0%	0%
20DB	Weekend	8%	21%	21%	48%	64%	63%	62%	48%	38%	21%	10%	5%	0%	0%	0%	0%	0%
20DO	Midweek	6%	39%	48%	69%	73%	63%	53%	36%	14%	6%	6%	4%	4%	2%	0%	0%	0%
20DO	Weekend	8%	26%	35%	56%	69%	69%	64%	41%	30%	16%	7%	4%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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