

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) April 2024



Prepared By:

South Coast Salmon Stock Assessment Section

Wednesday 12th June, 2024



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Canada

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

Date	Day Type	Pedder Bay		Prestige Hotel Ramp			Sooke Harbour Marina		
		AM	PM	AM	MD	PM	AM	MD	PM
29 Mar 2024	Weekend							11	
30 Mar 2024	Weekend				14				
31 Mar 2024	Weekend								
01 Apr 2024	Midweek	13							
02 Apr 2024	Midweek								
03 Apr 2024	Midweek								
04 Apr 2024	Midweek								
05 Apr 2024	Midweek					3			
06 Apr 2024	Weekend						1		
07 Apr 2024	Weekend	3							
08 Apr 2024	Midweek		1						
09 Apr 2024	Midweek								
10 Apr 2024	Midweek								
11 Apr 2024	Midweek								
12 Apr 2024	Midweek								
13 Apr 2024	Weekend								
14 Apr 2024	Weekend								
15 Apr 2024	Midweek								
16 Apr 2024	Midweek								
17 Apr 2024	Midweek								
18 Apr 2024	Midweek								
19 Apr 2024	Midweek								7
20 Apr 2024	Weekend								
21 Apr 2024	Weekend								
22 Apr 2024	Midweek								
23 Apr 2024	Midweek								
24 Apr 2024	Midweek								
25 Apr 2024	Midweek								
26 Apr 2024	Midweek								3
27 Apr 2024	Weekend								
28 Apr 2024	Weekend			2					
29 Apr 2024	Midweek								
30 Apr 2024	Midweek	1							
01 May 2024	Midweek								
02 May 2024	Midweek	4							
03 May 2024	Midweek								

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-Mar-2024	Friday (Good Friday)	choppy	11	3			7			
30-Mar-2024	Saturday	choppy	14	1			4	53	1102	131
31-Mar-2024	Sunday		0							
01-Apr-2024	Monday	choppy	13					17	1116	30
02-Apr-2024	Tuesday		1							
03-Apr-2024	Wednesday		1							
04-Apr-2024	Thursday		1							
05-Apr-2024	Friday	frequent whitecaps	3				2			
06-Apr-2024	Saturday	choppy	1	1						
07-Apr-2024	Sunday	choppy	3					16	1114	39
08-Apr-2024	Monday	calm/rippled	1							
09-Apr-2024	Tuesday		1					1	1105	2
10-Apr-2024	Wednesday		2							
11-Apr-2024	Thursday		1							
12-Apr-2024	Friday		0							
13-Apr-2024	Saturday		0					24	1054	66
14-Apr-2024	Sunday		0							
15-Apr-2024	Monday		0							
16-Apr-2024	Tuesday		1							
17-Apr-2024	Wednesday		1					18	1058	29
18-Apr-2024	Thursday		1							
19-Apr-2024	Friday	frequent whitecaps	7	1			5			
20-Apr-2024	Saturday		0							
21-Apr-2024	Sunday		0					7	1107	17
22-Apr-2024	Monday		0							
23-Apr-2024	Tuesday		1					7	1059	13
24-Apr-2024	Wednesday		2							
25-Apr-2024	Thursday		1							
26-Apr-2024	Friday	choppy	3				3			
27-Apr-2024	Saturday		0					11	1109	26
28-Apr-2024	Sunday	choppy	2	1						
29-Apr-2024	Monday		0							
30-Apr-2024	Tuesday	frequent whitecaps	2							
01-May-2024	Wednesday		1							
02-May-2024	Thursday	calm/rippled	6					22	1004	32
03-May-2024	Friday		0							
	Totals	choppy	43	1			10	11*		19*
	Totals	choppy	6	2				15*		37*

* 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	37	8	296	0.333				99			
Midweek	19	22	418	0.023			0.233	10			97

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2019	April	593	29			173
2021	April	367	0			186
2022	April	412	6			69
2023	April	592	123			26
2024	April	726	79			179
5-Yr Avg	April	491	40			114

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	34	21%
iRec Anglers	77	51%
iRec Anglers	635	19%

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

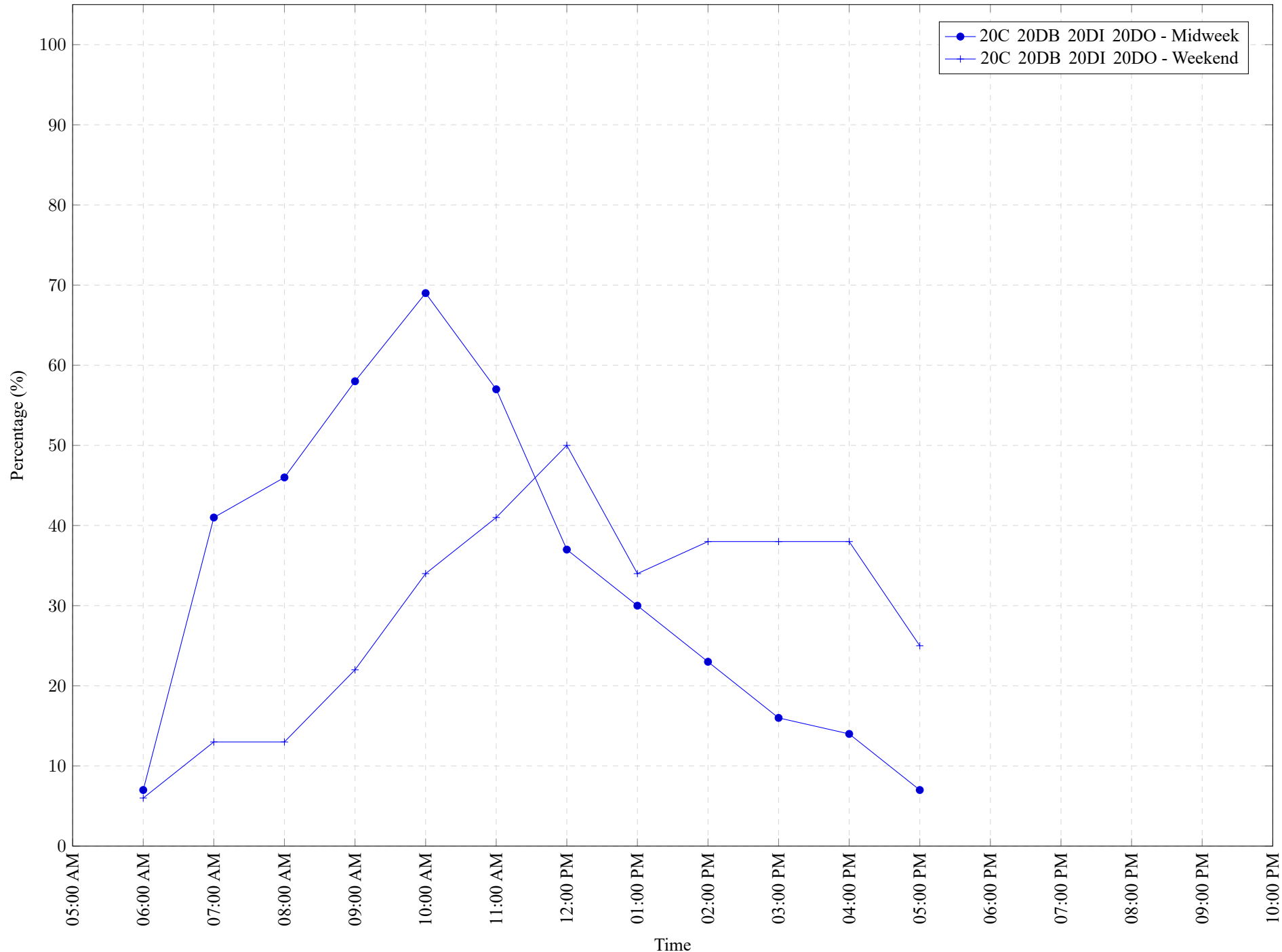


Table 7: Proportion of each day's fishing by hour.

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	20DB	20DI	20DO	Midweek	7%	41%	46%	58%	69%	57%	37%	30%	23%	16%	14%	7%	0%	0%	0%	0%	0%
20C	20DB	20DI	20DO	Weekend	6%	13%	13%	22%	34%	41%	50%	34%	38%	38%	38%	25%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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