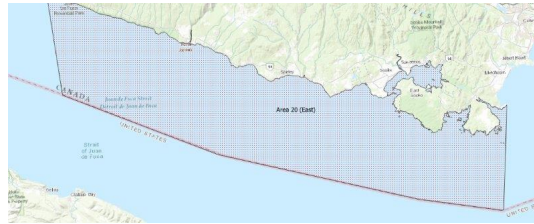


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) June 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 8th February, 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		Flem- ming PM	Pedder Bay		Prestige Hotel Ramp		Sooke Harbour Marina	
		AM	PM		AM	PM	AM	PM	AM	PM
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						
04 Jun 2023	Weekend				5					
05 Jun 2023	Midweek									
06 Jun 2023	Midweek					7				
07 Jun 2023	Midweek						3			
08 Jun 2023	Midweek									2
09 Jun 2023	Midweek									
10 Jun 2023	Weekend								8	
11 Jun 2023	Weekend							20		
12 Jun 2023	Midweek									
13 Jun 2023	Midweek									
14 Jun 2023	Midweek									
15 Jun 2023	Midweek					6				
16 Jun 2023	Midweek									
17 Jun 2023	Weekend		1							
18 Jun 2023	Weekend						3			
19 Jun 2023	Midweek		4						2	
20 Jun 2023	Midweek									
21 Jun 2023	Midweek							1		
22 Jun 2023	Midweek									
23 Jun 2023	Midweek									
24 Jun 2023	Weekend	3								3
25 Jun 2023	Weekend					27				
26 Jun 2023	Midweek	3						2		
27 Jun 2023	Midweek									
28 Jun 2023	Midweek									
29 Jun 2023	Midweek									
30 Jun 2023	Midweek									
01 Jul 2023	Weekend					7		1		
02 Jul 2023	Weekend			4						24
03 Jul 2023	Weekend									

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-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	51
04-Jun-2023	Sunday	frequent whitecaps	5	2						
05-Jun-2023	Monday		0					37	1007	88
06-Jun-2023	Tuesday	calm/rippled	7							
07-Jun-2023	Wednesday	choppy	3				2			
08-Jun-2023	Thursday	frequent whitecaps	2					10	1018	24
09-Jun-2023	Friday		0							
10-Jun-2023	Saturday	calm/rippled	8		7					
11-Jun-2023	Sunday	calm/rippled	20	2			10	98	1016	171
12-Jun-2023	Monday		0							
13-Jun-2023	Tuesday		0							
14-Jun-2023	Wednesday		1		4					
15-Jun-2023	Thursday	frequent whitecaps	7		1			37	1015	89
16-Jun-2023	Friday		0							
17-Jun-2023	Saturday	frequent whitecaps	2		1			23	1015	40
18-Jun-2023	Sunday	frequent whitecaps	3		2					
19-Jun-2023	Monday	frequent whitecaps	6		1					
20-Jun-2023	Tuesday		0							
21-Jun-2023	Wednesday	choppy	1							
22-Jun-2023	Thursday		0							
23-Jun-2023	Friday		0							
24-Jun-2023	Saturday	choppy	6		1			33	1021	57
25-Jun-2023	Sunday	frequent whitecaps	27							
26-Jun-2023	Monday	choppy	5							
27-Jun-2023	Tuesday		0							
28-Jun-2023	Wednesday		1		1					
29-Jun-2023	Thursday		1		3					
30-Jun-2023	Friday		0					41	0948	130
01-Jul-2023	Saturday	frequent whitecaps	9	1	2			39	1004	68
02-Jul-2023	Sunday	calm/rippled	29	3	19			20	0945	40
03-Jul-2023	Monday (Canada Day)		1		2					
	Totals	choppy	35		10		2	31*		83*
	Totals	choppy	72	4	11		10	46*		80*

* 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	83	22	1826		0.286		0.057		522		104
Weekend	80	8	640	0.056	0.153		0.139	36	98		89

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	June	3731	1950	143		
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
5-Yr Avg	June	1900	445	824	0	59

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	192	100%	31%	450	97%	13%	60
Chinook	45	100%	249%	232	83%	48%	112

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	203	33%
iRec Anglers	514	12%
iRec Anglers	1600	36%

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

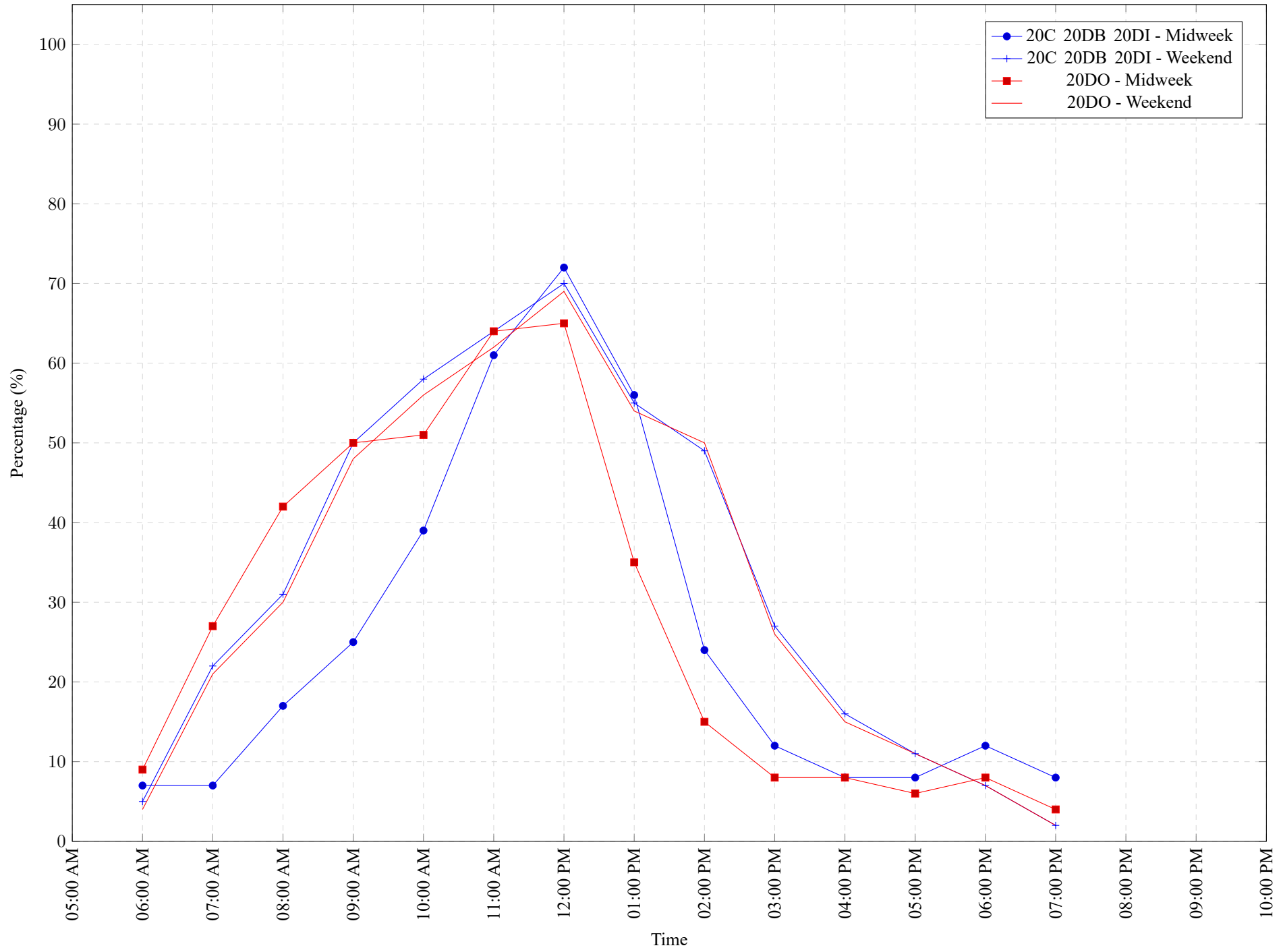


Table 7: Proportion of each day's fishing by hour.

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		Midweek	7%	7%	17%	25%	39%	61%	72%	56%	24%	12%	8%	8%	12%	8%	0%	0%	0%
20C	20DB	20DI		Weekend	5%	22%	31%	50%	58%	64%	70%	55%	49%	27%	16%	11%	7%	2%	0%	0%	0%
	20DO			Midweek	9%	27%	42%	50%	51%	64%	65%	35%	15%	8%	8%	6%	8%	4%	0%	0%	0%
	20DO			Weekend	4%	21%	30%	48%	56%	62%	69%	54%	50%	26%	15%	11%	7%	2%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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