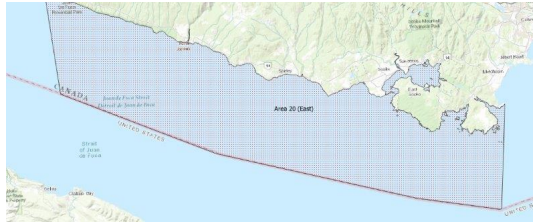


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) April 2023



Prepared By:
South Coast Salmon Stock Assessment Section

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

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-2023	Wednesday	frequent whitecaps	1	4						
30-Mar-2023	Thursday		1	1						
31-Mar-2023	Friday		0							
01-Apr-2023	Saturday	choppy	0							
02-Apr-2023	Sunday		21	1				25	0953	28
03-Apr-2023	Monday		0							
04-Apr-2023	Tuesday	choppy	0							
05-Apr-2023	Wednesday		5				3	11	0942	14
06-Apr-2023	Thursday		0							
07-Apr-2023	Friday (Good Friday)	frequent whitecaps	0					9	0931	12
08-Apr-2023	Saturday		12	3			1			
09-Apr-2023	Sunday		0							
10-Apr-2023	Monday	choppy	8	2			3			
11-Apr-2023	Tuesday	calm/rippled	0							
12-Apr-2023	Wednesday		0							
13-Apr-2023	Thursday		0							
14-Apr-2023	Friday		15					19	0942	24
15-Apr-2023	Saturday		0							
16-Apr-2023	Sunday		0							
17-Apr-2023	Monday		0							
18-Apr-2023	Tuesday		0							
19-Apr-2023	Wednesday		0							
20-Apr-2023	Thursday		0							
21-Apr-2023	Friday		0					12	0946	15
22-Apr-2023	Saturday		0							
23-Apr-2023	Sunday		0							
24-Apr-2023	Monday		0							
25-Apr-2023	Tuesday		0							
26-Apr-2023	Wednesday		1							
27-Apr-2023	Thursday		0							
28-Apr-2023	Friday		0							
29-Apr-2023	Saturday		0					20	1000	21
30-Apr-2023	Sunday		0							
01-May-2023	Monday	choppy	1							
02-May-2023	Tuesday	calm/rippled	7							
03-May-2023	Wednesday		0							
	Totals	choppy	29	2			6	14*		18*
	Totals	frequent whitecaps	33	4			1	18*		20*

* 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	18	19	342	0.069			0.207	24			71
Weekend	20	11	220	0.121			0.03	27			7

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	April	659	204			51
2019	April	593	29			173
2021	April	367	0			186
2022	April	412	6			69
2023	April	592	123			26
5-Yr Avg	April	508	60			120

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	84	68%	52%	126	100%	35%	44

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	62	10%
iRec Anglers	118	26%
iRec Anglers	636	19%

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

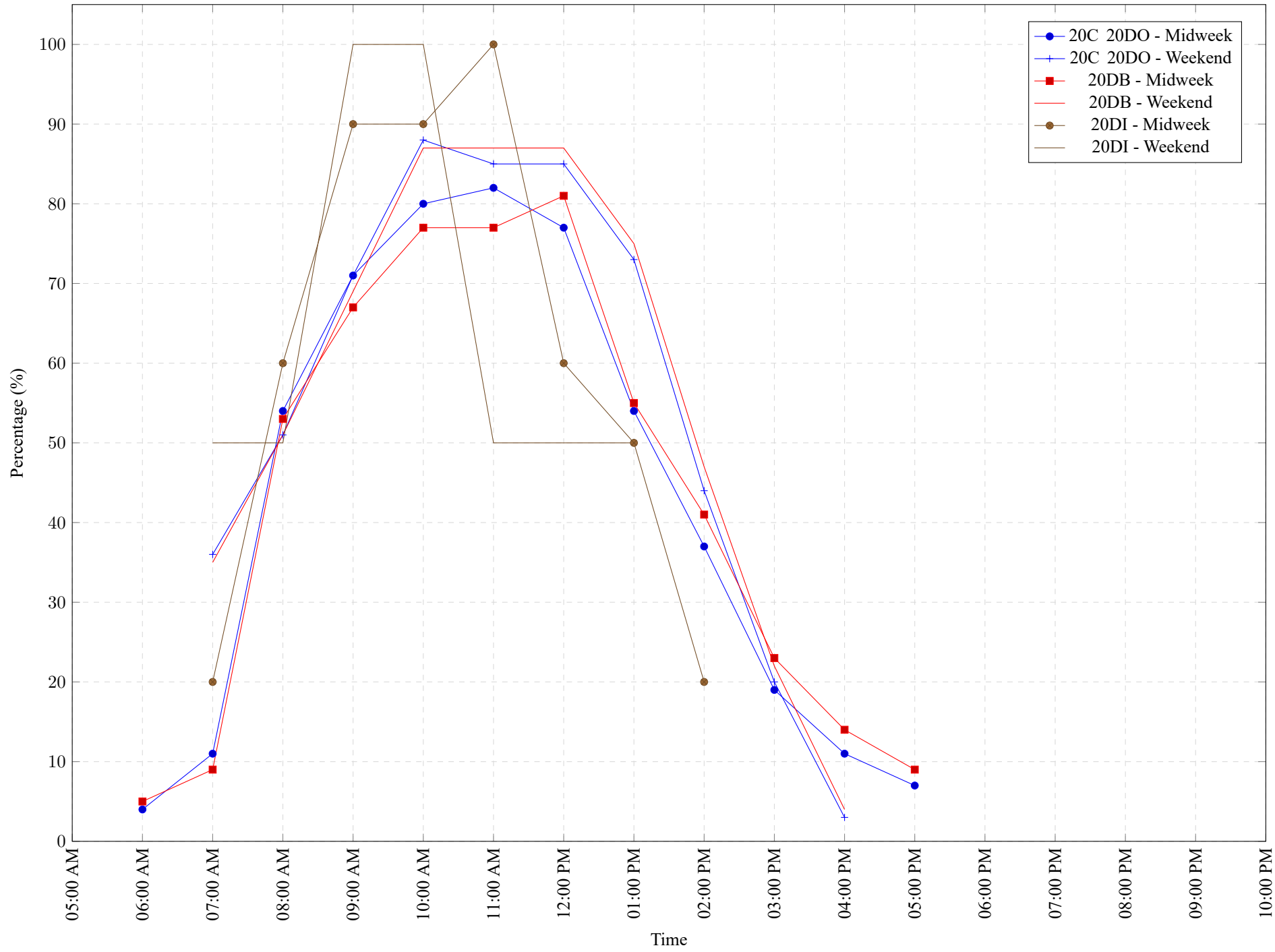


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00	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 20DO	Midweek	4%	11%	54%	71%	80%	82%	77%	54%	37%	19%	11%	7%	0%	0%	0%	0%	0%
20C 20DO	Weekend	0%	36%	51%	71%	88%	85%	85%	73%	44%	20%	3%	0%	0%	0%	0%	0%	0%
20DB	Midweek	5%	9%	53%	67%	77%	77%	81%	55%	41%	23%	14%	9%	0%	0%	0%	0%	0%
20DB	Weekend	0%	35%	51%	69%	87%	87%	87%	75%	47%	22%	4%	0%	0%	0%	0%	0%	0%
20DI	Midweek	0%	20%	60%	90%	90%	100%	60%	50%	20%	0%	0%	0%	0%	0%	0%	0%	0%
20DI	Weekend	0%	50%	50%	100%	100%	50%	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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