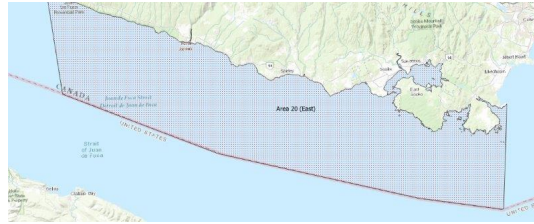


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) April 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 3rd February, 2022



Fisheries and Oceans
Canada

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

Date	Day Type	Flem- ming PM	Pedder Bay			Prestige Hotel Ramp		Sooke Harbour Marina	
			AM	MD	PM	AM	PM	AM	PM
29 Mar 2021	Midweek								
30 Mar 2021	Midweek			1					
31 Mar 2021	Midweek								
01 Apr 2021	Midweek								
02 Apr 2021	Weekend				4				
03 Apr 2021	Weekend								
04 Apr 2021	Weekend								
05 Apr 2021	Midweek					2		9	
06 Apr 2021	Midweek								
07 Apr 2021	Midweek								
08 Apr 2021	Midweek								
09 Apr 2021	Midweek								
10 Apr 2021	Weekend							1	
11 Apr 2021	Weekend	2							
12 Apr 2021	Midweek				1				
13 Apr 2021	Midweek								
14 Apr 2021	Midweek						4		
15 Apr 2021	Midweek								3
16 Apr 2021	Midweek								
17 Apr 2021	Weekend								5
18 Apr 2021	Weekend		4			11			
19 Apr 2021	Midweek								
20 Apr 2021	Midweek								
21 Apr 2021	Midweek								
22 Apr 2021	Midweek								
23 Apr 2021	Midweek								
24 Apr 2021	Weekend								
25 Apr 2021	Weekend						22		
26 Apr 2021	Midweek								
27 Apr 2021	Midweek								
28 Apr 2021	Midweek					3			
29 Apr 2021	Midweek								
30 Apr 2021	Midweek		1						
01 May 2021	Weekend								
02 May 2021	Weekend								6
03 May 2021	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-2021	Monday		0							
30-Mar-2021	Tuesday	choppy	1					15	1130	26
31-Mar-2021	Wednesday		0							
01-Apr-2021	Thursday		0							
02-Apr-2021	Friday (Good Friday)		0					15	1033	18
03-Apr-2021	Saturday	frequent whitecaps	4							
04-Apr-2021	Sunday		0							
05-Apr-2021	Monday	calm/rippled	11				7			
06-Apr-2021	Tuesday		0					8	1030	13
07-Apr-2021	Wednesday		0							
08-Apr-2021	Thursday		0							
09-Apr-2021	Friday		0							
10-Apr-2021	Saturday	frequent whitecaps	1					1	1021	1
11-Apr-2021	Sunday	choppy	2							
12-Apr-2021	Monday	frequent whitecaps	1							
13-Apr-2021	Tuesday		0							
14-Apr-2021	Wednesday	choppy	4				4			
15-Apr-2021	Thursday	choppy	3							
16-Apr-2021	Friday		0							
17-Apr-2021	Saturday	calm/rippled	5				1	27	1030	33
18-Apr-2021	Sunday	calm/rippled	15				3			
19-Apr-2021	Monday		0					7	1025	11
20-Apr-2021	Tuesday		0							
21-Apr-2021	Wednesday		0							
22-Apr-2021	Thursday		0							
23-Apr-2021	Friday		0							
24-Apr-2021	Saturday		0							
25-Apr-2021	Sunday	choppy	22				7			
26-Apr-2021	Monday		0					3	1030	5
27-Apr-2021	Tuesday		0							
28-Apr-2021	Wednesday	calm/rippled	3							
29-Apr-2021	Thursday		0							
30-Apr-2021	Friday	choppy	1							
01-May-2021	Saturday		0					4	1030	4
02-May-2021	Sunday	choppy	6				7			
03-May-2021	Monday		0							
	Totals	choppy	23				11	6*		10*
	Totals	choppy	49				11	14*		17*

* 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	17	9	153				0.224				34
Midweek	10	21	210				0.478				100

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	April	959	329			37
2017	April	796	496			43
2018	April	659	204			51
2019	April	593	29			173
2021	April	367	0			186
5-Yr Avg	April	752	265			76

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	72	3%
iRec Anglers	58	47%
iRec Anglers	570	20%

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

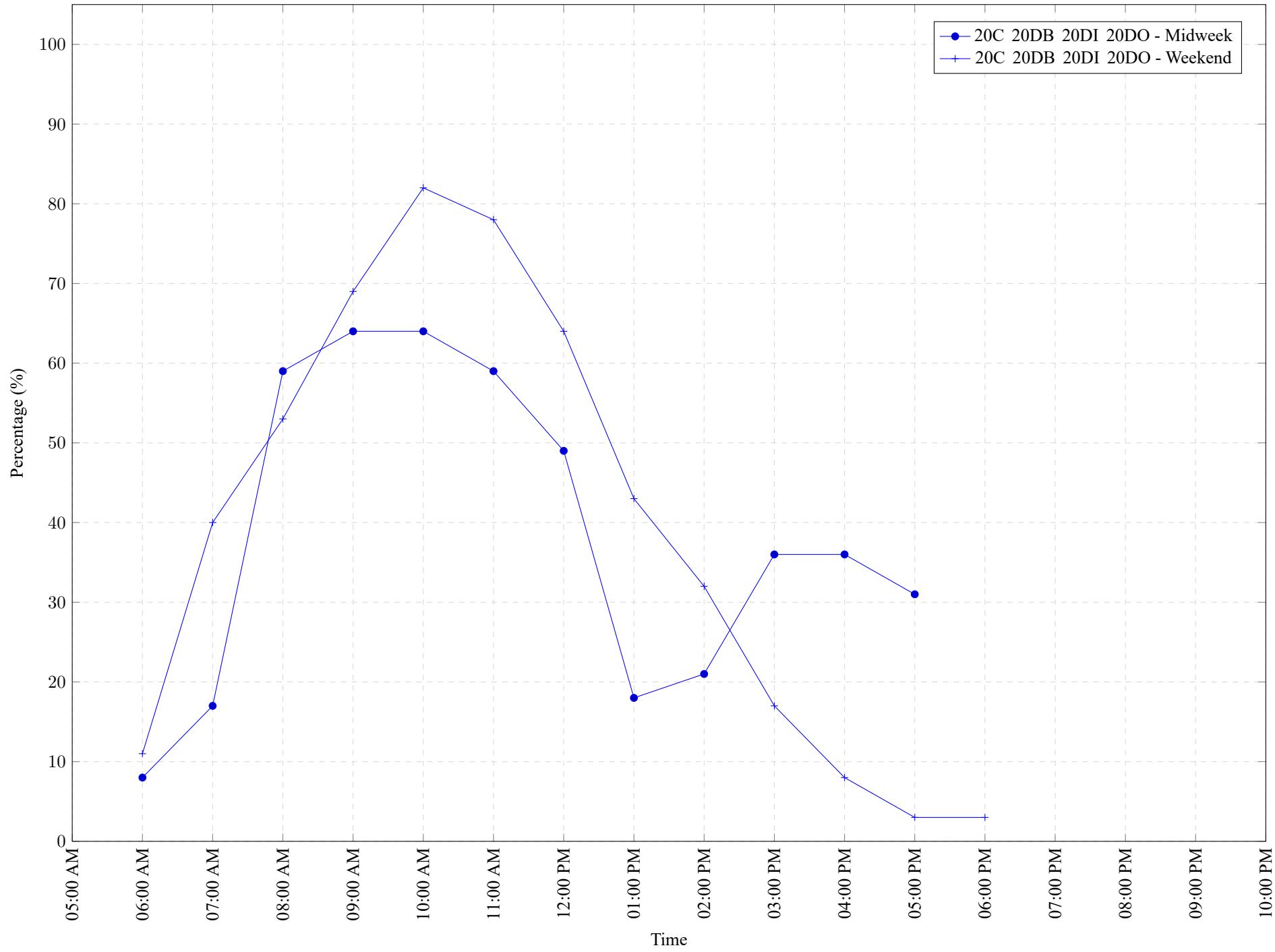


Table 7: Proportion of each day's fishing by hour.

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	8%	17%	59%	64%	64%	59%	49%	18%	21%	36%	36%	31%	0%	0%	0%	0%	0%
20C	20DB	20DI	20DO	Weekend	11%	40%	53%	69%	82%	78%	64%	43%	32%	17%	8%	3%	3%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Flemming	Pedder Bay	Prestige Hotel Ramp	Sooke Harbour Marina			
29 Mar 2021	Midweek		choppy					
30 Mar 2021	Midweek							
31 Mar 2021	Midweek							
01 Apr 2021	Midweek							
02 Apr 2021	Weekend		frequent whitecaps					
03 Apr 2021	Weekend							
04 Apr 2021	Weekend							
05 Apr 2021	Midweek			calm/rippled	calm/rippled			
06 Apr 2021	Midweek							
07 Apr 2021	Midweek							
08 Apr 2021	Midweek							
09 Apr 2021	Midweek				frequent whitecaps			
10 Apr 2021	Weekend							
11 Apr 2021	Weekend	choppy				frequent whitecaps		
12 Apr 2021	Midweek							
13 Apr 2021	Midweek				choppy			
14 Apr 2021	Midweek							
15 Apr 2021	Midweek						choppy	
16 Apr 2021	Midweek							
17 Apr 2021	Weekend		calm/rippled	calm/rippled	calm/rippled			
18 Apr 2021	Weekend							
19 Apr 2021	Midweek							
20 Apr 2021	Midweek							
21 Apr 2021	Midweek							
22 Apr 2021	Midweek							
23 Apr 2021	Midweek							
24 Apr 2021	Weekend				choppy			
25 Apr 2021	Weekend							
26 Apr 2021	Midweek							
27 Apr 2021	Midweek							
28 Apr 2021	Midweek				calm/rippled			
29 Apr 2021	Midweek		choppy					
30 Apr 2021	Midweek							
01 May 2021	Weekend							
02 May 2021	Weekend					choppy		
03 May 2021	Midweek							