FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) October 2022



Prepared By: South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



Fisheries and Oceans Pêches et Océans

Canada



		Becher Bay	Cattle Point	Flem	ning	Pedder	r Bay	Prestige Ran		Sooke H Mar	
Date	Day Type	PM	PM	AM	PM	AM	PM	AM	PM	AM	PM
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10 Oct 2022	Weekend			1		10		20			
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15 Oct 2022	Weekend						28		20		
16 Oct 2022	Weekend			1							2
17 Oct 2022	Midweek			-						1	
18 Oct 2022	Midweek									-	
19 Oct 2022	Midweek										
20 Oct 2022	Midweek						6	8			
21 Oct 2022	Midweek							_			
22 Oct 2022	Weekend				2				7	3	
23 Oct 2022	Weekend			2		15					
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30 Oct 2022	Weekend										
31 Oct 2022	Midweek										
01 Nov 2022	Midweek										
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03 Nov 2022	Midweek										

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

$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Date	Day	Average Fishing Conditions	Interviews & Log Trips	Chinook	Coho	Sockeye	Halibut	Observed Fishing	Flight Time	Expanded Fishing
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04-Oct-2022 Tuesday frequent 6 1 35 56 1110 76 05-Oct-2022 Wednesday choppy 16 29 7 </td <td>02-Oct-2022</td> <td>Sunday</td> <td>calm/rippled</td> <td>67</td> <td>5</td> <td>222</td> <td></td> <td>1</td> <td></td> <td></td> <td></td>	02-Oct-2022	Sunday	calm/rippled	67	5	222		1			
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25-Oct-2022 Tuesday 0 26-Oct-2022 Wednesday calm/rippled 2 5 1028 7 27-Oct-2022 Thursday 0 5 1028 7 28-Oct-2022 Friday 0 6 1 3 29-Oct-2022 Saturday calm/rippled 6 1 3 30-Oct-2022 Sunday 0 - - - 31-Oct-2022 Monday 0 - - - 01-Nov-2022 Tuesday 0 - - - 02-Nov-2022 Wednesday 0 - - - 03-Nov-2022 Tuesday 0 - - - 03-Nov-2022 Tuesday 0 - - - 03-Nov-2022 Thursday 0 - -	23-Oct-2022	Sunday	calm/rippled	17		1		4			
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31-Oct-2022 Monday 0 01-Nov-2022 Tuesday 0 02-Nov-2022 Wednesday 0 03-Nov-2022 Thursday 0 Totals choppy 112 28 223 47* 67*	29-Oct-2022	Saturday	calm/rippled	6	1	3					
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03-Nov-2022 Thursday 0 Totals choppy 112 28 223 47* 67*	02-Nov-2022	Wednesday		0							
Totals choppy 112 28 223 47* 67*	03-Nov-2022										
		Totals	choppy	112	28	223			47^{*}		67*
		Totals	choppy	247	24	559		5	131*		228*

Table 2: Daily tally of interviews, catch and effort.

* Average number of boats Observed and Expanded

					CPUE				Retained				
Day Type	Average	Number of	Total	Chinook	Coho	Sockeye	Halibut	Chinook	Coho	Sockeye	Halibut		
	Expanded	Days	Estimated										
	Boats		Effort										
Weekend	228	11	2508	0.097	2.263		0.02	243	5676		50		
Midweek	67	20	1340	0.25	1.991			335	2668				

Table 3: Simple area based cpue (catch per boat trip) expansion.

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	October	1001	161	943		
2018	October	2684	542	2267		
2019	October	1655	48	2242		24
2020	October	2374	312	3319		111
2021	October	2184	259	5713		37
2022	October	3824	730	9455		58
5-Yr Avg	October	1980	264	2897		57

Table 5: Sport Head Recovery Review.

Species	Creel Marked Catch		Creel Submission Rate	iRec Marked Catch	iRec Mark Rate	iRec Submission Rate	Sport Head Recoveries
Coho	4208	45%	8%	3348	64%	10%	344
Chinook	428	60%	13%	199	48%	27%	54

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	359	5%
iRec Anglers	451	13%
iRec Anglers	3505	10%

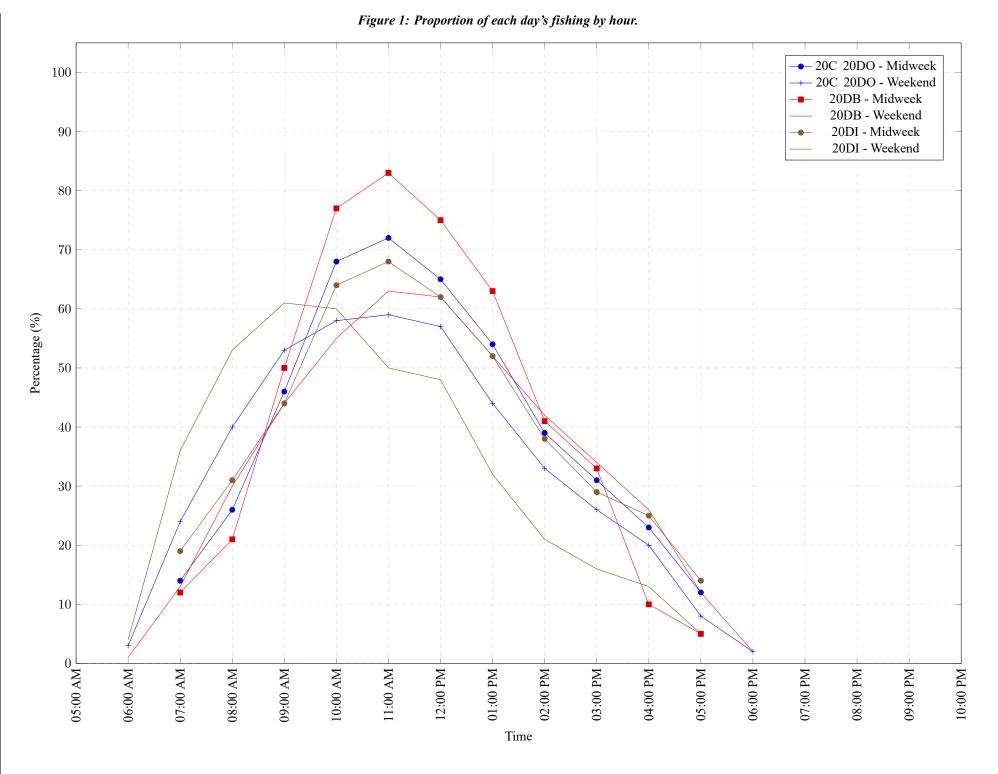


 Table 7: Proportion of each day's fishing by hour.

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 20DO	Midweek	0%	14%	26%	46%	68%	72%	65%	54%	39%	31%	23%	12%	0%	0%	0%	0%	0%
20C 20DO	Weekend	3%	24%	40%	53%	58%	59%	57%	44%	33%	26%	20%	8%	2%	0%	0%	0%	0%
20DB	Midweek	0%	12%	21%	50%	77%	83%	75%	63%	41%	33%	10%	5%	0%	0%	0%	0%	0%
20DB	Weekend	1%	13%	30%	44%	55%	63%	62%	52%	42%	34%	26%	12%	2%	0%	0%	0%	0%
20DI	Midweek	0%	19%	31%	44%	64%	68%	62%	52%	38%	29%	25%	14%	0%	0%	0%	0%	0%
20DI	Weekend	4%	36%	53%	61%	60%	50%	48%	32%	21%	16%	13%	5%	0%	0%	0%	0%	0%

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Date	Day Type	Becher Bay	Cattle Point	Flemming	Pedder Bay	Prestige Hotel Ramp	Sooke Harbour Marina
28 Sep 2022	Midweek						choppy
29 Sep 2022	Midweek	frequent					117
1		whitecaps					
30 Sep 2022	Midweek	-					calm/rippled
01 Oct 2022	Weekend		calm/rippled			choppy	
02 Oct 2022	Weekend			calm/rippled	calm/rippled		calm/rippled
03 Oct 2022	Midweek						
04 Oct 2022	Midweek						frequent whitecaps
05 Oct 2022	Midweek					choppy	
06 Oct 2022	Midweek			calm/rippled			
07 Oct 2022	Midweek				calm/rippled		calm/rippled
08 Oct 2022	Weekend				choppy		
09 Oct 2022	Weekend				calm/rippled	calm/rippled	
10 Oct 2022	Weekend			choppy			
11 Oct 2022	Midweek						
12 Oct 2022	Midweek						
13 Oct 2022	Midweek						
14 Oct 2022	Midweek				calm/rippled	calm/rippled	
15 Oct 2022	Weekend				frequent whitecaps		
16 Oct 2022	Weekend			choppy			calm/rippled
17 Oct 2022	Midweek						calm/rippled
18 Oct 2022	Midweek						
19 Oct 2022	Midweek						
20 Oct 2022	Midweek				choppy	choppy	
21 Oct 2022	Midweek						
22 Oct 2022	Weekend			calm/rippled		choppy	calm/rippled
23 Oct 2022	Weekend			calm/rippled	calm/rippled		
24 Oct 2022	Midweek						
25 Oct 2022	Midweek						
26 Oct 2022	Midweek					calm/rippled	
27 Oct 2022	Midweek						
28 Oct 2022	Midweek					1 / • 1 1	
29 Oct 2022	Weekend					calm/rippled	
30 Oct 2022	Weekend						
31 Oct 2022	Midweek						
01 Nov 2022	Midweek						
02 Nov 2022	Midweek Midweek						
03 Nov 2022	Midweek						

Table 8: Daily Fishing Conditions.