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
28 Sep 2022	Midweek		1.1.1						1	1 11/1	2
29 Sep 2022	Midweek	5									-
30 Sep 2022	Midweek	C									6
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03 Oct 2022	Midweek				Ŭ	5.					
04 Oct 2022	Midweek										6
05 Oct 2022	Midweek								16		Ũ
06 Oct 2022	Midweek				2				10		
07 Oct 2022	Midweek				-	13					16
08 Oct 2022	Weekend					15	34				10
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10 Oct 2022	Weekend			1		10		20			
11 Oct 2022	Midweek			-							
12 Oct 2022	Midweek										
13 Oct 2022	Midweek										
14 Oct 2022	Midweek						10		26		
15 Oct 2022	Weekend						28		20		
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17 Oct 2022	Midweek			-						1	
18 Oct 2022	Midweek									-	
19 Oct 2022	Midweek										
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21 Oct 2022	Midweek							_			
22 Oct 2022	Weekend				2				7	3	
23 Oct 2022	Weekend			2		15					
24 Oct 2022	Midweek										
25 Oct 2022	Midweek										
26 Oct 2022	Midweek							2			
27 Oct 2022	Midweek							-			
28 Oct 2022	Midweek										
29 Oct 2022	Weekend								6		
30 Oct 2022	Weekend										
31 Oct 2022	Midweek										
01 Nov 2022	Midweek										
02 Nov 2022	Midweek										
03 Nov 2022	Midweek										

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

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whitecaps           00-5cp-2022         Saturday         chorpy         34         1         136         253         1024         439           00-Oct-2022         Saturday         calm'rippled         67         5         222         1         1         4           00-Oct-2022         Monday         1         4	28-Sep-2022	Wednesday	choppy	2	1	3					
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00-Out-2022         Sunday         calm/rippled         67         5         222         1           03-Out-2022         Monday         1         4         4         56         1110         76           04-Out-2022         Tuesday         frequent whitecaps         6         1         35         56         1110         76           05-Out-2022         Wednesday         elonppy         16         29         56         110         76           06-Out-2022         Sturday         elon/rippled         30         1         82         56         110         76           08-Out-2022         Sturday         elon/rippled         44         3         60         53         1026         77           09-Out-2022         Sturday         elon/rippled         44         3         60         77         7           10-Out-2022         Wednesday         0         53         1026         77         7           12-Out-2022         Thuesday         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	30-Sep-2022	Friday	calm/rippled		1			1			
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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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22-Oct-2022       Saturday       calm/rippled       12       11       33       1027       58         23-Oct-2022       Sunday       calm/rippled       17       1       4       4         24-Oct-2022       Monday       0       1       4       4       5       5         25-Oct-2022       Tuesday       0       0       5       1028       7         26-Oct-2022       Wednesday       calm/rippled       2       5       5       1028       7         27-Oct-2022       Thursday       0       0       2       5       5       1028       7         27-Oct-2022       Thursday       0<	20-Oct-2022	Thursday	choppy	15	13	14					
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24-Oct-2022       Monday       0         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       5       1028       7         29-Oct-2022       Friday       0       5       1028       7         29-Oct-2022       Saturday       calm/rippled       6       1       3       30-Oct-2022       Sunday       0       5       1028       7         30-Oct-2022       Sunday       calm/rippled       6       1       3       30-Oct-2022       Sunday       0       5       1028       7         31-Oct-2022       Monday       0       0       5       1028       7       5       1028       7       5       1028       7       5       1028       7       5       1028       7       5       1028       7       5       1028       7       5       1028       7       5       1028       7       5       1028       1028       1028       1028       1028       1028       1028	22-Oct-2022	Saturday	calm/rippled	12		11			33	1027	58
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			
26-Oct-2022       Wednesday       calm/rippled       2       5       1028       7         27-Oct-2022       Thursday       0       6       1       3       6       1       3         29-Oct-2022       Saturday       calm/rippled       6       1       3       3       6       1       3         30-Oct-2022       Sunday       0       6       1       3       6       1	24-Oct-2022	Monday		0							
27-Oct-2022       Thursday       0         28-Oct-2022       Friday       0         29-Oct-2022       Saturday       calm/rippled       6       1       3         30-Oct-2022       Sunday       0	25-Oct-2022	Tuesday		0							
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29-Oct-2022       Saturday       calm/rippled       6       1       3         30-Oct-2022       Sunday       0       0       0         31-Oct-2022       Monday       0       0       0         01-Nov-2022       Tuesday       0       0       0         02-Nov-2022       Wednesday       0       0       0         03-Nov-2022       Thursday       0       0       0         Totals       choppy       112       28       223       47*       67*	27-Oct-2022	Thursday		0							
30-Oct-2022     Sunday     0       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*	28-Oct-2022	Friday		0							
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					
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*	30-Oct-2022	Sunday		0							
02-Nov-2022         Wednesday         0           03-Nov-2022         Thursday         0           Totals         choppy         112         28         223         47*         67*		Monday									
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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%

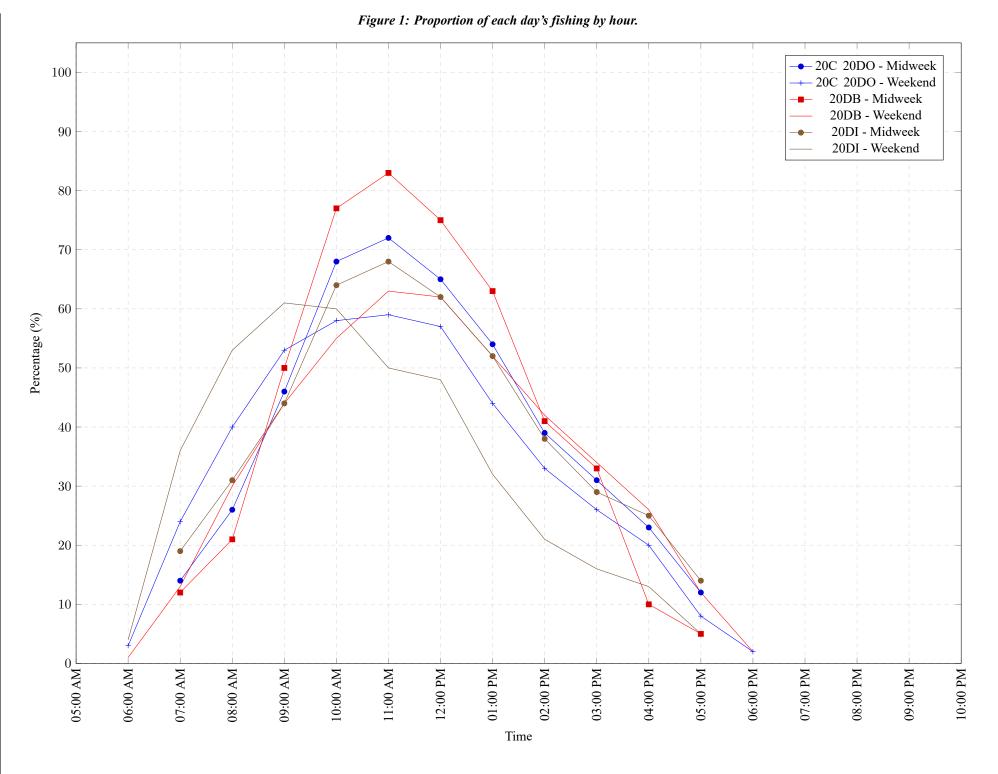


 Table 7: Proportion of each day's fishing by hour.

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.