FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (East) March 2022



Prepared By: South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023

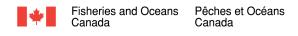




Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

	3		J			
		Flem-	Pedder	Prestige	Hotel	Sooke
		ming	Bay	Ram	ıp	Harbour
						Marina
Date	Day Type	MD	MD	MD	PM	MD
26 Feb 2022	Weekend					
27 Feb 2022	Weekend					
28 Feb 2022	Midweek					
01 Mar 2022	Midweek					
02 Mar 2022	Midweek					
03 Mar 2022	Midweek					
04 Mar 2022	Midweek			2		
05 Mar 2022	Weekend		18			
06 Mar 2022	Weekend					
07 Mar 2022	Midweek		4			
08 Mar 2022	Midweek					
09 Mar 2022	Midweek					
10 Mar 2022	Midweek					2
11 Mar 2022	Midweek					
12 Mar 2022	Weekend	2				
13 Mar 2022	Weekend			8		
14 Mar 2022	Midweek			4		
15 Mar 2022	Midweek					
16 Mar 2022	Midweek		10			
17 Mar 2022	Midweek					
18 Mar 2022	Midweek	1				10
19 Mar 2022	Weekend					
20 Mar 2022	Weekend					17
21 Mar 2022	Midweek					
22 Mar 2022	Midweek					
23 Mar 2022	Midweek					
24 Mar 2022	Midweek			7		
25 Mar 2022	Midweek					
26 Mar 2022	Weekend		25			4
27 Mar 2022	Weekend	4		27		
28 Mar 2022	Midweek	1				
29 Mar 2022	Midweek		8			
30 Mar 2022	Midweek					4
31 Mar 2022	Midweek			8		
01 Apr 2022	Midweek					
02 Apr 2022	Weekend					
03 Apr 2022	Weekend				9	

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
26-Feb-2022	Saturday		0							
27-Feb-2022	Sunday		0							
28-Feb-2022	Monday		0							
01-Mar-2022	Tuesday		0							
02-Mar-2022	Wednesday		0							
03-Mar-2022	Thursday		0					13	1124	18
04-Mar-2022	Friday	calm/rippled	2	6			1			
05-Mar-2022	Saturday	choppy	18	21						
06-Mar-2022	Sunday		0					40	1125	47
07-Mar-2022	Monday	choppy	4	1						
08-Mar-2022	Tuesday		0							
09-Mar-2022	Wednesday		0							
10-Mar-2022	Thursday	choppy	2	3						
11-Mar-2022	Friday		0							
12-Mar-2022	Saturday	choppy	2	4						
13-Mar-2022	Sunday	choppy	8	1			4			
14-Mar-2022	Monday	choppy	4	1						
15-Mar-2022	Tuesday		0					2	1131	3
16-Mar-2022	Wednesday	calm/rippled	10	1			1			
17-Mar-2022	Thursday		0							
18-Mar-2022	Friday	calm/rippled	11	15						
19-Mar-2022	Saturday		0					1	1124	1
20-Mar-2022	Sunday	choppy	17	14				40	1132	47
21-Mar-2022	Monday		0							
22-Mar-2022	Tuesday		0							
23-Mar-2022	Wednesday		0					2	1125	3
24-Mar-2022	Thursday	choppy	7	8			3			
25-Mar-2022	Friday		0							
26-Mar-2022	Saturday	choppy	29	32			2	44	1134	51
27-Mar-2022	Sunday	choppy	31	11			4			
28-Mar-2022	Monday	calm/rippled	1							
29-Mar-2022	Tuesday	choppy	8	6				0	1113	0
30-Mar-2022	Wednesday	frequent	4	7						
		whitecaps								
31-Mar-2022	Thursday	frequent	8	10						
		whitecaps								
01-Apr-2022	Friday		0							
02-Apr-2022	Saturday		0					7	1046	9
03-Apr-2022	Sunday	choppy	9				2			
	Totals	choppy	61	58			5	4*		6*
	Totals	choppy	105	83			10	31*		37 [*]

^{*} Average number of boats Observed and Expanded

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

				CPUE				Retained					
Day Type	Average Expanded	Number of Days	Total Estimated	Chinook	Coho	Sockeye	Halibut	Chinook	Coho	Sockeye	Halibut		
	Boats	Duys	Effort										
Midweek	6	23	138	0.951			0.082	131			11		
Weekend	37	8	296	0.79			0.095	234			28		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	March	496	269			12
2018	March	379	244			12
2021	March	778	746	0		96
2022	March	489	500			33
5-Yr Avg	March	551	420	0		40

Table 5: Sport Head Recovery Review.

Species	Creel Marked Catch	Mark	Creel Submission Rate			iRec Submission Rate	Sport Head Recoveries
Chinook	355	71%	54%	753	76%	25%	192

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	166	17%
iRec Anglers	56	21%
iRec Anglers	1198	15%

Percentage (%)

 $05.00 \, \mathrm{AM}_{\square}^{0}$

07:00 AM

09:00 AM

 $10:00\,\mathrm{AM}$

11:00 AM

 $08:00 \, AM$

06:00 AM

 $10:00~\mathrm{PM}^{\parallel}$

09:00 PM

Figure 1: Proportion of each day's fishing by hour. → 20C 20DB 20DI - Midweek 100 20C 20DB 20DI - Weekend 20DO - Midweek 20DO - Weekend 90 80 70 60 50 40 30 20 10

12:00 PM

01:00 PM

02:00 PM

Time

03:00 PM

05:00 PM

04:00 PM

06:00 PM

07:00 PM

08:00 PM

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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										
20C 20DB 20DI	Midweek	0%	15%	32%	51%	73%	73%	72%	61%	48%	29%	14%	0%	0%	0%	0%	0%	0%
20C 20DB 20DI	Weekend	0%	32%	47%	68%	77%	85%	75%	62%	43%	23%	4%	1%	0%	0%	0%	0%	0%
20DO	Midweek	0%	12%	30%	48%	72%	74%	74%	64%	47%	30%	15%	1%	0%	0%	0%	0%	0%
20DO	Weekend	1%	31%	47%	71%	81%	84%	74%	61%	42%	21%	4%	1%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Flemming	Pedder Bay	Prestige Hotel Ramp	Sooke Harbour Marina
26 Feb 2022	Weekend				
27 Feb 2022	Weekend				
28 Feb 2022	Midweek				
01 Mar 2022	Midweek				
02 Mar 2022	Midweek				
03 Mar 2022	Midweek				
04 Mar 2022	Midweek			calm/rippled	
05 Mar 2022	Weekend		choppy	11	
06 Mar 2022	Weekend		11.		
07 Mar 2022	Midweek		choppy		
08 Mar 2022	Midweek		117		
09 Mar 2022	Midweek				
10 Mar 2022	Midweek				choppy
11 Mar 2022	Midweek				117
12 Mar 2022	Weekend	choppy			
13 Mar 2022	Weekend	117		choppy	
14 Mar 2022	Midweek			choppy	
15 Mar 2022	Midweek			110	
16 Mar 2022	Midweek		calm/rippled		
17 Mar 2022	Midweek				
18 Mar 2022	Midweek	calm/rippled			calm/rippled
19 Mar 2022	Weekend				
20 Mar 2022	Weekend				choppy
21 Mar 2022	Midweek				
22 Mar 2022	Midweek				
23 Mar 2022	Midweek				
24 Mar 2022	Midweek			choppy	
25 Mar 2022	Midweek				
26 Mar 2022	Weekend		choppy		calm/rippled
27 Mar 2022	Weekend	calm/rippled		choppy	
28 Mar 2022	Midweek	calm/rippled			
29 Mar 2022	Midweek		choppy		
30 Mar 2022	Midweek				frequent whitecaps
31 Mar 2022	Midweek			frequent whitecaps	-
01 Apr 2022	Midweek			•	
02 Apr 2022	Weekend				
03 Apr 2022	Weekend			choppy	