

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 18 September 2020



Prepared By:

South Coast Salmon Stock Assessment Section

Tuesday 2nd February, 2021



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Canada

**your
catch
counts**

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

Date	Day Type	Cowichan Bay		Crofton Ramp		Sidney	
		AM	PM	AM	PM	AM	PM
29 Aug 2020	Weekend						
30 Aug 2020	Weekend						
31 Aug 2020	Midweek						
01 Sep 2020	Midweek						
02 Sep 2020	Midweek	1					
03 Sep 2020	Midweek		6				2
04 Sep 2020	Midweek						
05 Sep 2020	Weekend				2		
06 Sep 2020	Weekend						
07 Sep 2020	Weekend	2					
08 Sep 2020	Midweek						
09 Sep 2020	Midweek						
10 Sep 2020	Midweek						
11 Sep 2020	Midweek		2				
12 Sep 2020	Weekend		10				
13 Sep 2020	Weekend		6			2	
14 Sep 2020	Midweek						
15 Sep 2020	Midweek						
16 Sep 2020	Midweek						
17 Sep 2020	Midweek						
18 Sep 2020	Midweek						
19 Sep 2020	Weekend						
20 Sep 2020	Weekend			1			
21 Sep 2020	Midweek		1				4
22 Sep 2020	Midweek						
23 Sep 2020	Midweek						
24 Sep 2020	Midweek						
25 Sep 2020	Midweek		1				
26 Sep 2020	Weekend	2					
27 Sep 2020	Weekend						
28 Sep 2020	Midweek						
29 Sep 2020	Midweek						
30 Sep 2020	Midweek						
01 Oct 2020	Midweek						
02 Oct 2020	Midweek						
03 Oct 2020	Weekend						

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-Aug-2020	Saturday		0					19	1004	33
30-Aug-2020	Sunday		0							
31-Aug-2020	Monday		0							
01-Sep-2020	Tuesday		0							
02-Sep-2020	Wednesday	calm/rippled	1							
03-Sep-2020	Thursday	calm/rippled	8							
04-Sep-2020	Friday		1							
05-Sep-2020	Saturday	calm/rippled	2							
06-Sep-2020	Sunday		0					37	1211	71
07-Sep-2020	Monday (Labour Day)	choppy	2							
08-Sep-2020	Tuesday		0							
09-Sep-2020	Wednesday		0							
10-Sep-2020	Thursday		0					23	1252	39
11-Sep-2020	Friday	frequent whitecaps	2							
12-Sep-2020	Saturday	choppy	10							
13-Sep-2020	Sunday	choppy	8	2						
14-Sep-2020	Monday		0							
15-Sep-2020	Tuesday		0							
16-Sep-2020	Wednesday		1							
17-Sep-2020	Thursday		0							
18-Sep-2020	Friday		0							
19-Sep-2020	Saturday		0					27	1233	54
20-Sep-2020	Sunday	choppy	1					35	1212	70
21-Sep-2020	Monday	calm/rippled	6		2			12	1243	20
22-Sep-2020	Tuesday		0							
23-Sep-2020	Wednesday		0							
24-Sep-2020	Thursday		0							
25-Sep-2020	Friday	choppy	1					2	1244	3
26-Sep-2020	Saturday	frequent whitecaps	2					5	1237	10
27-Sep-2020	Sunday		0							
28-Sep-2020	Monday		0							
29-Sep-2020	Tuesday		0							
30-Sep-2020	Wednesday		0							
01-Oct-2020	Thursday		0							
02-Oct-2020	Friday		0							
03-Oct-2020	Saturday		0							
	Totals	choppy	20		2			12*		21*
	Totals	choppy	25	2				26*		51*

* 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	21	21	441		0.10				44		
Weekend	51	9	459	0.08				37			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	September	1554	460			
2016	September	823	133	11		
2017	September	1396	604	11		
2018	September	394	22	16		
2019	September	532	54	40		0
2020	September	922	38	63		0
5-Yr Avg	September	940	255	20		0

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	43	0%
iRec Anglers	1868	8%

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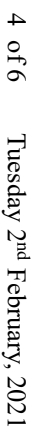


Table 7: Proportion of each day's fishing by hour.

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	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
18A 18B	Midweek	0%	9%	22%	31%	35%	44%	55%	60%	53%	36%	25%	27%	16%	3%	0%	0%	0%
18A 18B	Weekend	2%	5%	27%	42%	56%	54%	46%	44%	40%	33%	23%	15%	8%	0%	0%	0%	0%
18D	Midweek	0%	4%	17%	30%	41%	58%	74%	64%	48%	35%	30%	26%	9%	0%	0%	0%	0%
18D	Weekend	0%	5%	31%	45%	47%	42%	38%	37%	32%	27%	23%	14%	9%	0%	0%	0%	0%
18E	Midweek	7%	22%	39%	48%	51%	55%	60%	61%	49%	39%	23%	20%	10%	1%	0%	0%	0%
18E	Weekend	4%	20%	42%	56%	71%	75%	72%	69%	62%	49%	29%	19%	7%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Cowichan Bay	Crofton Ramp	Sidney
29 Aug 2020	Weekend			
30 Aug 2020	Weekend			
31 Aug 2020	Midweek			
01 Sep 2020	Midweek			
02 Sep 2020	Midweek	calm/rippled		
03 Sep 2020	Midweek	calm/rippled		calm/rippled
04 Sep 2020	Midweek			
05 Sep 2020	Weekend		calm/rippled	
06 Sep 2020	Weekend			
07 Sep 2020	Weekend	choppy		
08 Sep 2020	Midweek			
09 Sep 2020	Midweek			
10 Sep 2020	Midweek			
11 Sep 2020	Midweek	frequent whitecaps		
12 Sep 2020	Weekend	choppy		
13 Sep 2020	Weekend	choppy		calm/rippled
14 Sep 2020	Midweek			
15 Sep 2020	Midweek			
16 Sep 2020	Midweek			
17 Sep 2020	Midweek			
18 Sep 2020	Midweek			
19 Sep 2020	Weekend			
20 Sep 2020	Weekend		choppy	
21 Sep 2020	Midweek	frequent whitecaps		calm/rippled
22 Sep 2020	Midweek			
23 Sep 2020	Midweek			
24 Sep 2020	Midweek			
25 Sep 2020	Midweek	choppy		
26 Sep 2020	Weekend	frequent whitecaps		
27 Sep 2020	Weekend			
28 Sep 2020	Midweek			
29 Sep 2020	Midweek			
30 Sep 2020	Midweek			
01 Oct 2020	Midweek			
02 Oct 2020	Midweek			
03 Oct 2020	Weekend			