## FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

## Area 15 August 2021



## Prepared By: South Coast Salmon Stock Assessment Section

Friday 11th February, 2022

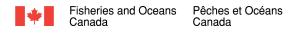




Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

		Big Rock Boat Rental	Comox Mun	Discovery Sou		Lur	nd	Madeira	Pacific	Play	Saltery	Bay	Westv	view
Date	Day Type	PM	PM	AM	PM	AM	PM	PM	AM	PM	AM	PM	AM	PM
29 Jul 2021	Midweek													13
30 Jul 2021	Midweek						3			1				
31 Jul 2021	Weekend						5							
01 Aug 2021	Weekend				3	4								
02 Aug 2021	Weekend													
03 Aug 2021	Midweek													
04 Aug 2021	Midweek													
05 Aug 2021	Midweek													
06 Aug 2021	Midweek							1						
07 Aug 2021	Weekend													
08 Aug 2021	Weekend		2				4							
09 Aug 2021	Midweek													14
10 Aug 2021	Midweek													
11 Aug 2021	Midweek													
12 Aug 2021	Midweek										4		16	
13 Aug 2021	Midweek			1			=		•		1			
14 Aug 2021	Weekend						5		l					20
15 Aug 2021	Weekend								I					20
16 Aug 2021	Midweek													
17 Aug 2021	Midweek Midweek													
18 Aug 2021 19 Aug 2021	Midweek													3
20 Aug 2021	Midweek						1							3
21 Aug 2021	Weekend						1					1		
22 Aug 2021	Weekend											1		5
23 Aug 2021	Midweek						5							3
24 Aug 2021	Midweek					2	3							
25 Aug 2021	Midweek					2							6	
26 Aug 2021	Midweek												1	
27 Aug 2021	Midweek												•	
28 Aug 2021	Weekend	1				5							20	
29 Aug 2021	Weekend													
30 Aug 2021	Midweek					2								
31 Aug 2021	Midweek													
01 Sep 2021	Midweek													
02 Sep 2021	Midweek	1												23
03 Sep 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-Jul-2021	Thursday	choppy	13	16						
30-Jul-2021	Friday	calm/rippled	5	3						
31-Jul-2021	Saturday	calm/rippled	5	2						
01-Aug-2021	Sunday	choppy	7	3						
02-Aug-2021	Monday (B.C. Day)		0					56	1038	124
03-Aug-2021	Tuesday		0							
04-Aug-2021	Wednesday		0							
05-Aug-2021	Thursday		0					29	1049	110
06-Aug-2021	Friday	choppy	1							
07-Aug-2021	Saturday		0					2	1035	4
08-Aug-2021	Sunday	choppy	6	4				22	1025	48
09-Aug-2021	Monday	choppy	14	17			1	10	1005	35
10-Aug-2021	Tuesday		0							
11-Aug-2021	Wednesday		0							
12-Aug-2021	Thursday	calm/rippled	16	4	1					
13-Aug-2021	Friday	choppy	2					48	1033	170
14-Aug-2021	Saturday	choppy	6	2				48	1031	105
15-Aug-2021	Sunday	choppy	21	14						
16-Aug-2021	Monday		0							
17-Aug-2021	Tuesday		0							
18-Aug-2021	Wednesday		0					24	1014	85
19-Aug-2021	Thursday	frequent whitecaps	3							
20-Aug-2021	Friday	choppy	1							
21-Aug-2021	Saturday	choppy	1							
22-Aug-2021	Sunday	frequent whitecaps	5	1				9	1024	20
23-Aug-2021	Monday	choppy	5							
24-Aug-2021	Tuesday	calm/rippled	3	4				20	1037	72
25-Aug-2021	Wednesday	calm/rippled	6	3						
26-Aug-2021	Thursday	frequent whitecaps	1							
27-Aug-2021	Friday		0							
28-Aug-2021	Saturday	choppy	26	20	2			58	1023	128
29-Aug-2021	Sunday		0							
30-Aug-2021	Monday	choppy	2	3				4	1033	15
31-Aug-2021	Tuesday		0							
01-Sep-2021	Wednesday		0							
02-Sep-2021	Thursday	calm/rippled	24	14	2			16	1124	62
03-Sep-2021	Friday		0							
-	Totals	choppy	54	31	1		1	23*		81*
	Totals	choppy	72	44	2			33*		72*

<sup>\*</sup> Average number of boats Observed and Expanded

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

				CPUE				Retained				
Day Type	Average	Number of	Total	Chinook	Coho	Sockeye	Halibut	Chinook	Coho	Sockeye	Halibut	
	Expanded	Days	Estimated									
	Boats		Effort									
Midweek	81	21	1701	0.574	0.019		0.019	976	32		32	
Weekend	72	10	720	0.611	0.028			440	20			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	August	1962	630	216		
2017	August	2481	1725	169		
2018	August	4482	2345	256	121	
2019	August	2017	1442	85		0
2020	August	1576	436	105		0
2021	August	2797	1319	96		69
5-Yr Avg	August	2504	1316	166	121	0

Table 5: Sport Head Recovery Review.

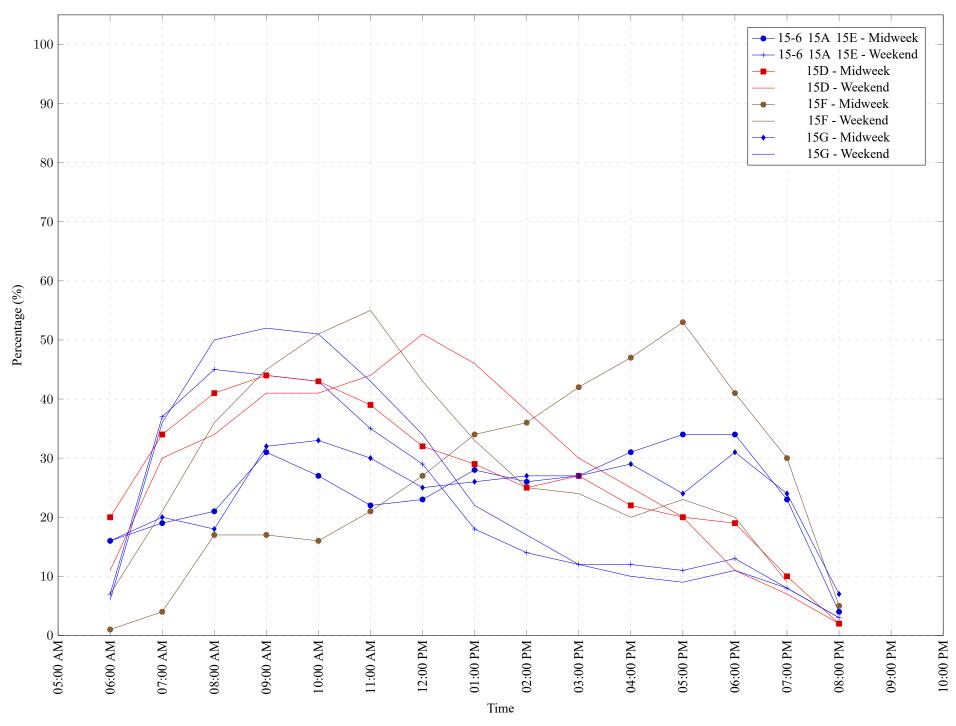
Species	Creel Marked Catch	l Mark	Creel Submission Rate	iRec Marked Catch	Mark	iRec Submission Rate	Sport Head Recoveries
Chinook	250	19%	5%	92	9%	14%	13

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	126	1%
iRec Anglers	4246	9%

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



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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										
15-6 15A 15E	Midweek	16%	19%	21%	31%	27%	22%	23%	28%	26%	27%	31%	34%	34%	23%	4%	0%	0%
15-6 15A 15E	Weekend	7%	37%	45%	44%	43%	35%	29%	18%	14%	12%	12%	11%	13%	8%	3%	0%	0%
15D	Midweek	20%	34%	41%	44%	43%	39%	32%	29%	25%	27%	22%	20%	19%	10%	2%	0%	0%
15D	Weekend	11%	30%	34%	41%	41%	44%	51%	46%	38%	30%	25%	20%	11%	7%	2%	0%	0%
15F	Midweek	1%	4%	17%	17%	16%	21%	27%	34%	36%	42%	47%	53%	41%	30%	5%	0%	0%
15F	Weekend	7%	21%	36%	45%	51%	55%	43%	33%	25%	24%	20%	23%	20%	9%	0%	0%	0%
15G	Midweek	16%	20%	18%	32%	33%	30%	25%	26%	27%	27%	29%	24%	31%	24%	7%	0%	0%
15G	Weekend	6%	36%	50%	52%	51%	43%	34%	22%	17%	12%	10%	9%	11%	8%	3%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Big Rock Boat Rental	Comox Mun	Discovery Marina South	Lund	Madeira	Pacific Play	Saltery Bay	Westview
29 Jul 2021	Midweek								choppy
30 Jul 2021	Midweek				calm/rippled		calm/rippled		
31 Jul 2021	Weekend				calm/rippled				
01 Aug 2021	Weekend			calm/rippled	choppy				
02 Aug 2021	Weekend								
03 Aug 2021	Midweek								
04 Aug 2021	Midweek								
05 Aug 2021	Midweek								
06 Aug 2021	Midweek					choppy			
07 Aug 2021	Weekend					111			
08 Aug 2021	Weekend		choppy		choppy				
09 Aug 2021	Midweek		117		117				choppy
10 Aug 2021	Midweek								***
11 Aug 2021	Midweek								
12 Aug 2021	Midweek								calm/rippled
13 Aug 2021	Midweek			choppy				calm/rippled	**
14 Aug 2021	Weekend			117	choppy		calm/rippled	11	
15 Aug 2021	Weekend				117		calm/rippled		choppy
16 Aug 2021	Midweek						**		117
17 Aug 2021	Midweek								
18 Aug 2021	Midweek								
19 Aug 2021	Midweek								frequent
8									whitecaps
20 Aug 2021	Midweek				choppy				
21 Aug 2021	Weekend				тырру			choppy	
22 Aug 2021	Weekend								frequent
221108 2021	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								whitecaps
23 Aug 2021	Midweek				choppy				
24 Aug 2021	Midweek				calm/rippled				
25 Aug 2021	Midweek				ouiiii iippiou				calm/rippled
26 Aug 2021	Midweek								frequent
207105 2021	1111411 CCR								whitecaps
27 Aug 2021	Midweek								писсарь
28 Aug 2021	Weekend	calm/rippled			calm/rippled				choppy
29 Aug 2021	Weekend	запа пррич			Januari ppica				· · · · · · · · · · · · · · · · · · ·
30 Aug 2021	Midweek				choppy				
31 Aug 2021	Midweek				Choppy				
01 Sep 2021	Midweek								
02 Sep 2021	Midweek	calm/rippled							calm/rippled
03 Sep 2021	Midweek	Juniarippiou							Jann Tippied