FISHERIES AND OCEANS CANADA

South Coast Assessment Bulletin

CREEL SURVEY DATA REVIEW PACKAGE



Prepared By: South Coast Salmon Stock Assessment Section

Tuesday 2<sup>nd</sup> February, 2021



Fisheries and Oceans Canada Pêches et Océans Canada



		Big Rock Boat Rental	Comox Mun	Discovery Sou		Kitty Co	oleman	Lu	nd	Pacific Play	Westv	view
Date	Day Type	PM	PM	AM	PM	AM	PM	AM	PM	PM	AM	PM
28 Jun 2020	Weekend				2							
29 Jun 2020	Midweek								6			
30 Jun 2020	Midweek											
01 Jul 2020	Weekend											
02 Jul 2020	Midweek											
03 Jul 2020	Midweek			2								
04 Jul 2020	Weekend	1										
05 Jul 2020	Weekend		2						8			
06 Jul 2020	Midweek											
07 Jul 2020	Midweek								3			
08 Jul 2020	Midweek											1
09 Jul 2020	Midweek											
10 Jul 2020	Midweek											
11 Jul 2020	Weekend											
12 Jul 2020	Weekend				1					1		
13 Jul 2020	Midweek											7
14 Jul 2020	Midweek								3			
15 Jul 2020	Midweek											
16 Jul 2020	Midweek											
17 Jul 2020	Midweek											
18 Jul 2020	Weekend	1									17	
19 Jul 2020	Weekend											
20 Jul 2020	Midweek										7	
21 Jul 2020	Midweek	1										
22 Jul 2020	Midweek							6				
23 Jul 2020	Midweek											
24 Jul 2020	Midweek											
25 Jul 2020	Weekend		2						10			
26 Jul 2020	Weekend											22
27 Jul 2020	Midweek										7	
28 Jul 2020	Midweek										13	
29 Jul 2020	Midweek					1						
30 Jul 2020	Midweek						1					
31 Jul 2020	Midweek											
01 Aug 2020	Weekend								6			
02 Aug 2020	Weekend											
03 Aug 2020	Weekend											

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

Date	Day	Average Fishing Conditions	Interviews & Log Trips	Chinook	Coho	Sockeye	Halibut	Observed Fishing	Flight Time	Expanded Fishing
28-Jun-2020	Sunday	frequent	4							
		whitecaps								• •
29-Jun-2020	Monday	choppy	6					6	1122	30
30-Jun-2020	Tuesday		0					10	1000	2.4
01-Jul-2020	Wednesday		3	6				12	1036	34
00 L 1 0000	(Canada Day)		0							
02-Jul-2020	Thursday	1	0					11	1042	40
03-Jul-2020	Friday	choppy	2					11	1043	49
04-Jul-2020	Saturday	calm/rippled	1					19	1029	54
05-Jul-2020	Sunday	calm/rippled	11	1				15	1033	42
06-Jul-2020	Monday	1	0					10	1100	50
07-Jul-2020	Tuesday	choppy	3					10	1102	50
08-Jul-2020	Wednesday	choppy	1	1						
09-Jul-2020	Thursday		1	1						
10-Jul-2020	Friday		1	2				2	1040	6
11-Jul-2020	Saturday	1 / • 1 1	3	3				2	1042	6
12-Jul-2020	Sunday	calm/rippled	3	1	2					
13-Jul-2020	Monday	calm/rippled	8	2	2					
14-Jul-2020	Tuesday	calm/rippled	4	2				27	1005	1.42
15-Jul-2020	Wednesday		0					37	1025	143
16-Jul-2020	Thursday		0	4				0	1027	26
17-Jul-2020	Friday	1	1	4				9	1027	36
18-Jul-2020	Saturday	choppy	19	11				40	1024	114
19-Jul-2020	Sunday	1	0							
20-Jul-2020	Monday	choppy	7	5				1.4	1024	5.4
21-Jul-2020	Tuesday	calm/rippled	1	2	1			14	1024	54
22-Jul-2020	Wednesday	choppy	6	2	1					
23-Jul-2020	Thursday		1	2						
24-Jul-2020	Friday	.1	0	1				50	1020	1(2
25-Jul-2020	Saturday	choppy	12	1				56	1026	162
26-Jul-2020	Sunday	calm/rippled	22 7	18						
27-Jul-2020 28-Jul-2020	Monday Tuesday	choppy	13	2 5	2			12	1015	46
		choppy			Z			12	1015	40
29-Jul-2020 30-Jul-2020	Wednesday	calm/rippled calm/rippled	2 2	5 6						
30-Jul-2020 31-Jul-2020	Thursday Friday	cann/rippied	2	6 1						
		ahammu	7	4				12	0918	42
01-Aug-2020 02-Aug-2020	Saturday Sunday	choppy	0	4				12	0918	42
			0							
03-Aug-2020	Monday (B.C.		0							
	Day) Totals	choppy	61	35	E			16*		63 <sup>*</sup>
	Totals	cnoppy calm/rippled	61 74	35 41	5			16 24 <sup>*</sup>		63 69 <sup>*</sup>
	Totals	caminippied	/4	41				24		09

# 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									
Midweek	63	22	1386	0.5740	0.0820			796	114			
Weekend	69	9	621	0.5540				344				

### 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
2015	July	2130	1470	231		
2016	July	2784	1518	610		
2017	July	3876	863	226		
2018	July	2151	1649	176		
2019	July	1828	1590	68		0
2020	July	1741	662	117		0
5-Yr Avg	July	2554	1418	262		0

### Table 5: Sport Head Recovery Review.

		Mark	Creel Submission Rate	iRec Marked Catch	Mark		Sport Head Recoveries
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### Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	135	2%
iRec Anglers	6282	2%

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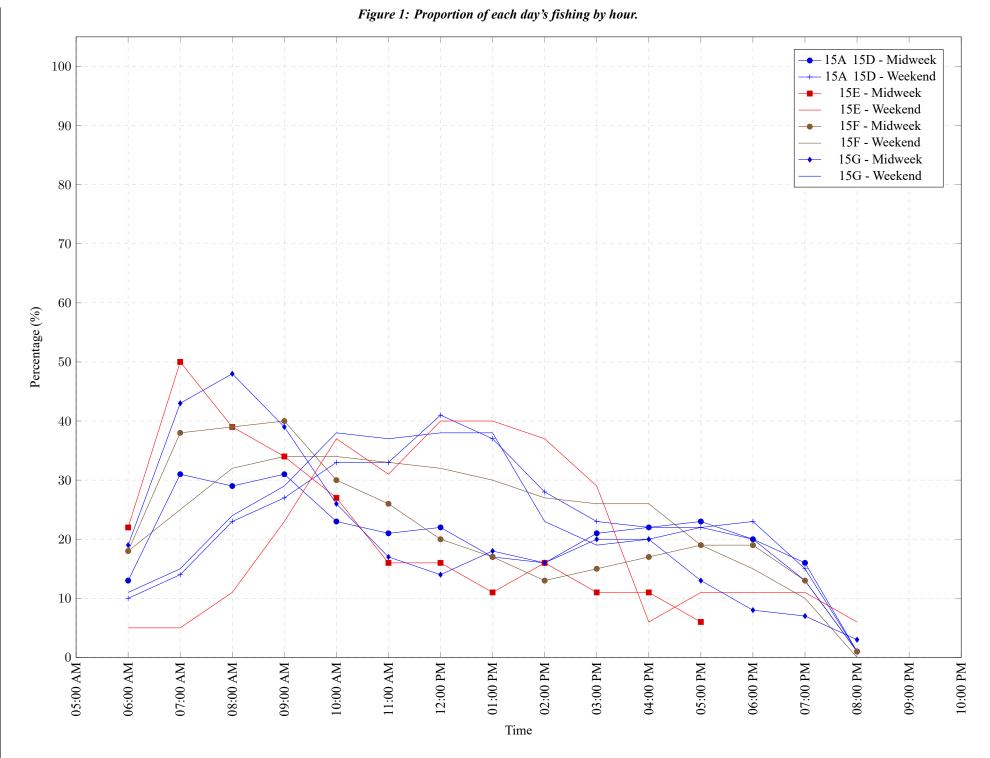


 Table 7: Proportion of each day's fishing by hour.

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
15A 15D	Midweek	13%	31%	29%	31%	23%	21%	22%	17%	16%	21%	22%	23%	20%	16%	1%	0%	0%
15A 15D	Weekend	10%	14%	23%	27%	33%	33%	41%	37%	28%	23%	22%	22%	23%	15%	1%	0%	0%
15E	Midweek	22%	50%	39%	34%	27%	16%	16%	11%	16%	11%	11%	6%	0%	0%	0%	0%	0%
15E	Weekend	5%	5%	11%	23%	37%	31%	40%	40%	37%	29%	6%	11%	11%	11%	6%	0%	0%
15F	Midweek	18%	38%	39%	40%	30%	26%	20%	17%	13%	15%	17%	19%	19%	13%	1%	0%	0%
15F	Weekend	18%	25%	32%	34%	34%	33%	32%	30%	27%	26%	26%	19%	15%	10%	0%	0%	0%
15G	Midweek	19%	43%	48%	39%	26%	17%	14%	18%	16%	20%	20%	13%	8%	7%	3%	0%	0%
15G	Weekend	11%	15%	24%	29%	38%	37%	38%	38%	23%	19%	20%	22%	20%	13%	1%	0%	0%

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Date	Day Type	Big Rock Boat Rental	Comox Mun	Discovery Marina South	Kitty Coleman	Lund	Pacific Play	Westview
28 Jun 2020	Weekend			frequent whitecaps				
29 Jun 2020	Midweek					choppy		
30 Jun 2020	Midweek							
01 Jul 2020	Weekend							
02 Jul 2020	Midweek							
03 Jul 2020	Midweek			choppy				
04 Jul 2020	Weekend	calm/rippled						
05 Jul 2020	Weekend		calm/rippled			calm/rippled		
06 Jul 2020	Midweek							
07 Jul 2020	Midweek					choppy		
08 Jul 2020	Midweek							choppy
09 Jul 2020	Midweek							
10 Jul 2020	Midweek							
11 Jul 2020	Weekend							
12 Jul 2020	Weekend			calm/rippled			calm/rippled	
13 Jul 2020	Midweek							calm/rippled
14 Jul 2020	Midweek					calm/rippled		
15 Jul 2020	Midweek							
16 Jul 2020	Midweek							
17 Jul 2020	Midweek							
18 Jul 2020	Weekend	choppy						choppy
19 Jul 2020	Weekend							
20 Jul 2020	Midweek							choppy
21 Jul 2020	Midweek	calm/rippled						112
22 Jul 2020	Midweek	11				choppy		
23 Jul 2020	Midweek							
24 Jul 2020	Midweek							
25 Jul 2020	Weekend		calm/rippled			choppy		
26 Jul 2020	Weekend					117		calm/rippled
27 Jul 2020	Midweek							choppy
28 Jul 2020	Midweek							choppy
29 Jul 2020	Midweek				calm/rippled			117
30 Jul 2020	Midweek				calm/rippled			
31 Jul 2020	Midweek				11			
01 Aug 2020	Weekend					choppy		
02 Aug 2020	Weekend					117		
03 Aug 2020	Weekend							

# Table 8: Daily Fishing Conditions.