

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 15 June 2021



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*Prepared By:*

South Coast Salmon Stock Assessment Section

Saturday 5<sup>th</sup> February, 2022



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

Date	Day Type	Big Rock Boat Rental		Brown's Bay	Comox Mun	Discovery Marina South		Kitty Coleman	Lund		Pacific Play		Painter's	Westview	
		AM	PM	PM	AM	AM	PM	PM	AM	PM	AM	PM	MD	AM	PM
29 May 2021	Weekend							1							
30 May 2021	Weekend				1										
31 May 2021	Midweek														
01 Jun 2021	Midweek														
02 Jun 2021	Midweek						2								
03 Jun 2021	Midweek		1												
04 Jun 2021	Midweek														2
05 Jun 2021	Weekend	3													
06 Jun 2021	Weekend														
07 Jun 2021	Midweek										1				
08 Jun 2021	Midweek														
09 Jun 2021	Midweek														
10 Jun 2021	Midweek														
11 Jun 2021	Midweek														
12 Jun 2021	Weekend														
13 Jun 2021	Weekend						2								
14 Jun 2021	Midweek														
15 Jun 2021	Midweek														
16 Jun 2021	Midweek		1												
17 Jun 2021	Midweek														
18 Jun 2021	Midweek														
19 Jun 2021	Weekend					2					1		1		
20 Jun 2021	Weekend				1			2	3						
21 Jun 2021	Midweek										1				
22 Jun 2021	Midweek						2								
23 Jun 2021	Midweek														
24 Jun 2021	Midweek														
25 Jun 2021	Midweek														
26 Jun 2021	Weekend	1		1			2								1
27 Jun 2021	Weekend								2						
28 Jun 2021	Midweek														
29 Jun 2021	Midweek													3	
30 Jun 2021	Midweek														
01 Jul 2021	Weekend														5
02 Jul 2021	Midweek						1		1						
03 Jul 2021	Weekend													3	

*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-May-2021	Saturday	calm/rippled	2	2						
30-May-2021	Sunday	calm/rippled	1							
31-May-2021	Monday		0							
01-Jun-2021	Tuesday		0					14	1134	40
02-Jun-2021	Wednesday	calm/rippled	3	5						
03-Jun-2021	Thursday	calm/rippled	1							
04-Jun-2021	Friday	choppy	2	4						
05-Jun-2021	Saturday	choppy	5	5				19	1140	72
06-Jun-2021	Sunday		1							
07-Jun-2021	Monday	calm/rippled	1	3						
08-Jun-2021	Tuesday		1					6	1133	17
09-Jun-2021	Wednesday		0							
10-Jun-2021	Thursday		2	6						
11-Jun-2021	Friday		0							
12-Jun-2021	Saturday		0							
13-Jun-2021	Sunday	frequent whitecaps	3	4				2	1125	8
14-Jun-2021	Monday		0							
15-Jun-2021	Tuesday		0							
16-Jun-2021	Wednesday	calm/rippled	2	4				3	1133	8
17-Jun-2021	Thursday		4	2						
18-Jun-2021	Friday		1	3				10	1140	28
19-Jun-2021	Saturday	calm/rippled	8	16			1	29	1136	110
20-Jun-2021	Sunday	choppy	6							
21-Jun-2021	Monday	calm/rippled	5	6						
22-Jun-2021	Tuesday	calm/rippled	3	4						
23-Jun-2021	Wednesday		2	2				14	1134	40
24-Jun-2021	Thursday		1	2						
25-Jun-2021	Friday		3	3						
26-Jun-2021	Saturday	calm/rippled	7	6				25	1134	94
27-Jun-2021	Sunday	calm/rippled	4	6						
28-Jun-2021	Monday		3	5				16	1126	46
29-Jun-2021	Tuesday	calm/rippled	3							
30-Jun-2021	Wednesday		4	7						
01-Jul-2021	Thursday (Canada Day)	calm/rippled	10	11						
02-Jul-2021	Friday	frequent whitecaps	2					15	1040	37
03-Jul-2021	Saturday	choppy	7	3				25	1037	86
	Totals	calm/rippled	41	56				11*		30*
	Totals	choppy	34	37			1	19*		71*

\* 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
Weekend	71	8	568	1.088			0.029	618			16
Midweek	30	22	660	1.366				902			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	June	1310	1025	64		
2017	June	1732	1963	57		
2018	June	981	1031			
2019	June	467	9			0
2020	June	281		20		
2021	June	1466	1384			0
5-Yr Avg	June	954	1007	47		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
Chinook	66	5%	24%	66	20%	24%	16

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	74	13%
iRec Anglers	1302	14%

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

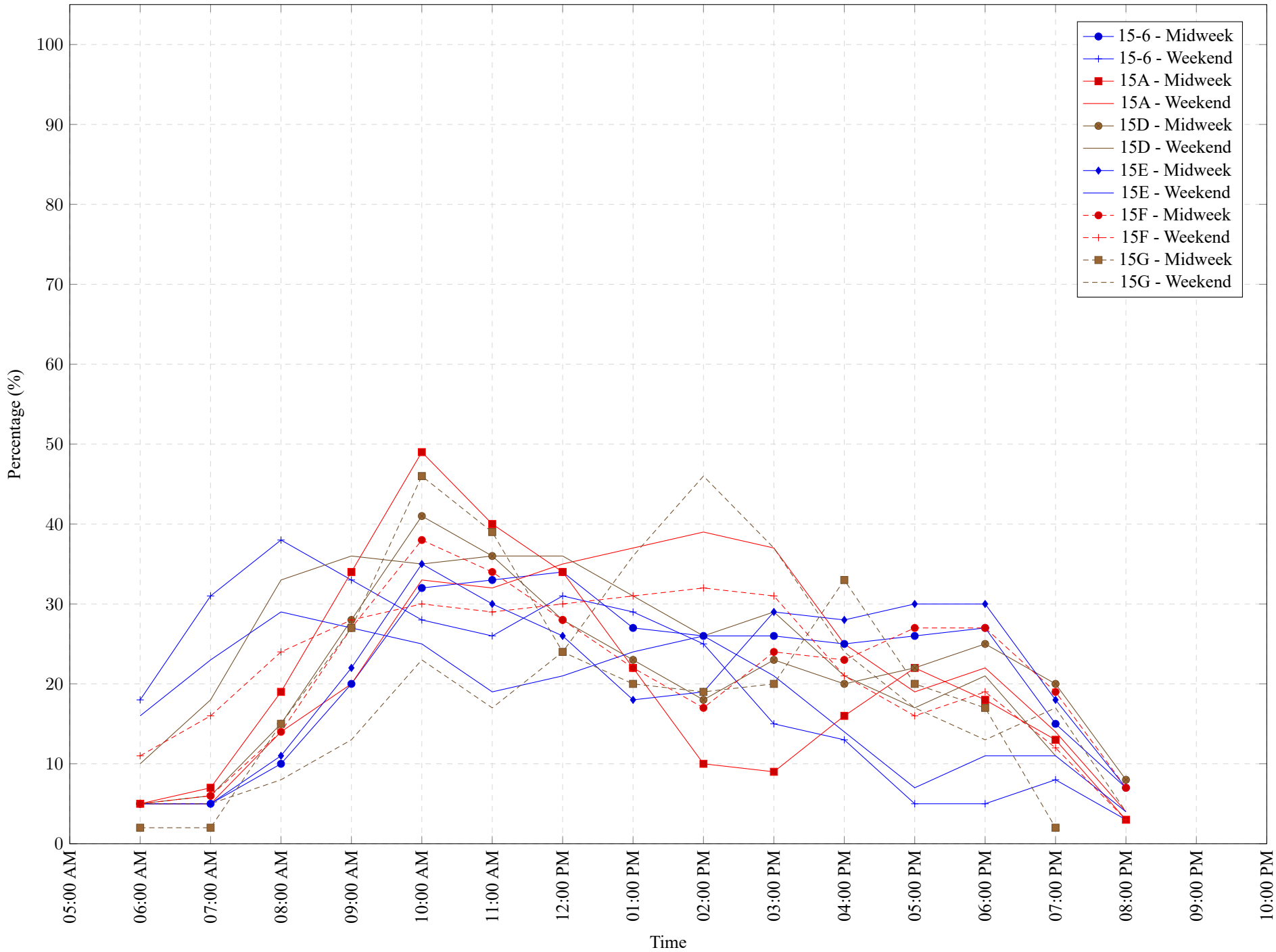


Table 7: Proportion of each day's fishing by hour.

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
15-6	Midweek	5%	5%	10%	20%	32%	33%	34%	27%	26%	26%	25%	26%	27%	15%	7%	0%	0%
15-6	Weekend	18%	31%	38%	33%	28%	26%	31%	29%	25%	15%	13%	5%	5%	8%	3%	0%	0%
15A	Midweek	5%	7%	19%	34%	49%	40%	34%	22%	10%	9%	16%	22%	18%	13%	3%	0%	0%
15A	Weekend	5%	5%	14%	20%	33%	32%	35%	37%	39%	37%	25%	19%	22%	14%	4%	0%	0%
15D	Midweek	5%	6%	15%	28%	41%	36%	28%	23%	18%	23%	20%	22%	25%	20%	8%	0%	0%
15D	Weekend	10%	18%	33%	36%	35%	36%	36%	31%	26%	29%	21%	17%	21%	11%	0%	0%	0%
15E	Midweek	5%	5%	11%	22%	35%	30%	26%	18%	19%	29%	28%	30%	30%	18%	7%	0%	0%
15E	Weekend	16%	23%	29%	27%	25%	19%	21%	24%	26%	21%	14%	7%	11%	11%	4%	0%	0%
15F	Midweek	5%	6%	14%	27%	38%	34%	28%	22%	17%	24%	23%	27%	27%	19%	7%	0%	0%
15F	Weekend	11%	16%	24%	28%	30%	29%	30%	31%	32%	31%	21%	16%	19%	12%	3%	0%	0%
15G	Midweek	2%	2%	15%	27%	46%	39%	24%	20%	19%	20%	33%	20%	17%	2%	0%	0%	0%
15G	Weekend	5%	5%	8%	13%	23%	17%	24%	36%	46%	37%	24%	17%	13%	17%	4%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	Big Rock Boat Rental	Brown's Bay	Comox Mun	Discovery Marina South	Kitty Coleman	Lund	Pacific Play	Painter's	Westview
29 May 2021	Weekend					calm/rippled				
30 May 2021	Weekend			calm/rippled						
31 May 2021	Midweek									
01 Jun 2021	Midweek									
02 Jun 2021	Midweek				calm/rippled					
03 Jun 2021	Midweek	calm/rippled								
04 Jun 2021	Midweek									choppy
05 Jun 2021	Weekend	choppy								
06 Jun 2021	Weekend									
07 Jun 2021	Midweek							calm/rippled		
08 Jun 2021	Midweek									
09 Jun 2021	Midweek									
10 Jun 2021	Midweek									
11 Jun 2021	Midweek									
12 Jun 2021	Weekend									
13 Jun 2021	Weekend				frequent whitecaps					
14 Jun 2021	Midweek									
15 Jun 2021	Midweek									
16 Jun 2021	Midweek	calm/rippled								
17 Jun 2021	Midweek									
18 Jun 2021	Midweek									
19 Jun 2021	Weekend				calm/rippled			calm/rippled	calm/rippled	
20 Jun 2021	Weekend			calm/rippled		calm/rippled	choppy			
21 Jun 2021	Midweek							calm/rippled		
22 Jun 2021	Midweek				calm/rippled					
23 Jun 2021	Midweek									
24 Jun 2021	Midweek									
25 Jun 2021	Midweek									
26 Jun 2021	Weekend	calm/rippled	calm/rippled		calm/rippled					calm/rippled
27 Jun 2021	Weekend						calm/rippled			
28 Jun 2021	Midweek									
29 Jun 2021	Midweek									calm/rippled
30 Jun 2021	Midweek									
01 Jul 2021	Weekend									calm/rippled
02 Jul 2021	Midweek				frequent whitecaps		frequent whitecaps			
03 Jul 2021	Weekend									choppy