

FISHERIES AND OCEANS CANADA

# SOUTH COAST ASSESSMENT BULLETIN

## CREEL SURVEY DATA REVIEW PACKAGE

# Area 15 September 2021



*Prepared By:*

## South Coast Salmon Stock Assessment Section

Friday 11<sup>th</sup> February, 2022



Fisheries and Oceans  
Canada

Pêches et Océans  
Canada

**your  
catch  
counts**

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

Date	Day Type	Big Rock Boat Rental	Comox Mun	Discov- ery Marina South	Kitty Coleman	Lund		Pacific Play	Westview	
		PM	PM	PM	AM	AM	PM	PM	AM	PM
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									
04 Sep 2021	Weekend		1	1			4			6
05 Sep 2021	Weekend						3			30
06 Sep 2021	Weekend									
07 Sep 2021	Midweek					2				
08 Sep 2021	Midweek								2	
09 Sep 2021	Midweek							1	1	
10 Sep 2021	Midweek					1				
11 Sep 2021	Weekend									
12 Sep 2021	Weekend								1	
13 Sep 2021	Midweek								3	12
14 Sep 2021	Midweek									
15 Sep 2021	Midweek									
16 Sep 2021	Midweek		1							
17 Sep 2021	Midweek									
18 Sep 2021	Weekend				1				1	
19 Sep 2021	Weekend									
20 Sep 2021	Midweek									
21 Sep 2021	Midweek									7
22 Sep 2021	Midweek									
23 Sep 2021	Midweek								4	
24 Sep 2021	Midweek									
25 Sep 2021	Weekend					3	6			
26 Sep 2021	Weekend								1	
27 Sep 2021	Midweek									
28 Sep 2021	Midweek						2			
29 Sep 2021	Midweek									
30 Sep 2021	Midweek									
01 Oct 2021	Midweek									
02 Oct 2021	Weekend									
03 Oct 2021	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-2021	Sunday		0							
30-Aug-2021	Monday	choppy	2	3				4	1033	16
31-Aug-2021	Tuesday		0							
01-Sep-2021	Wednesday		0							
02-Sep-2021	Thursday	calm/rippled	24	14	2			16	1124	64
03-Sep-2021	Friday		0							
04-Sep-2021	Saturday	choppy	6	2				7	1134	13
05-Sep-2021	Sunday	calm/rippled	5	2						
06-Sep-2021	Monday (Labour Day)	choppy	34	15	2			46	1110	84
07-Sep-2021	Tuesday	calm/rippled	2	1						
08-Sep-2021	Wednesday	calm/rippled	2	1				8	1149	30
09-Sep-2021	Thursday	choppy	2	3						
10-Sep-2021	Friday	calm/rippled	1							
11-Sep-2021	Saturday		0							
12-Sep-2021	Sunday	choppy	2	2				14	1144	25
13-Sep-2021	Monday	calm/rippled	15	1						
14-Sep-2021	Tuesday		0							
15-Sep-2021	Wednesday		0					3	1130	12
16-Sep-2021	Thursday	frequent whitecaps	1							
17-Sep-2021	Friday		0							
18-Sep-2021	Saturday		1					7	1111	15
19-Sep-2021	Sunday	calm/rippled	2							
20-Sep-2021	Monday		0							
21-Sep-2021	Tuesday	choppy	7	1						
22-Sep-2021	Wednesday		0					4	1137	16
23-Sep-2021	Thursday	choppy	4							
24-Sep-2021	Friday		0							
25-Sep-2021	Saturday	calm/rippled	9					17	1122	31
26-Sep-2021	Sunday	frequent whitecaps	1							
27-Sep-2021	Monday		0					0	1103	0
28-Sep-2021	Tuesday	calm/rippled	2							
29-Sep-2021	Wednesday		0							
30-Sep-2021	Thursday		0							
01-Oct-2021	Friday		0							
02-Oct-2021	Saturday		0							
03-Oct-2021	Sunday		0					10	1133	18
	Totals	choppy	60	21	2			6*		24*
	Totals	choppy	60	21	2			18*		34*

\* 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	34	9	306	0.35	0.033			107	10		
Midweek	24	21	504	0.35	0.033			176	17		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	September	1520	838	137		
2017	September	701	157	66		
2018	September	582	41			
2019	September	1255	736	144		0
2020	September	1509	584	84		
2021	September	822	166	16	0	0
5-Yr Avg	September	1113	471	108		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	42	25%	55%	169	15%	14%	23

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	119	0%
iRec Anglers	2407	5%

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

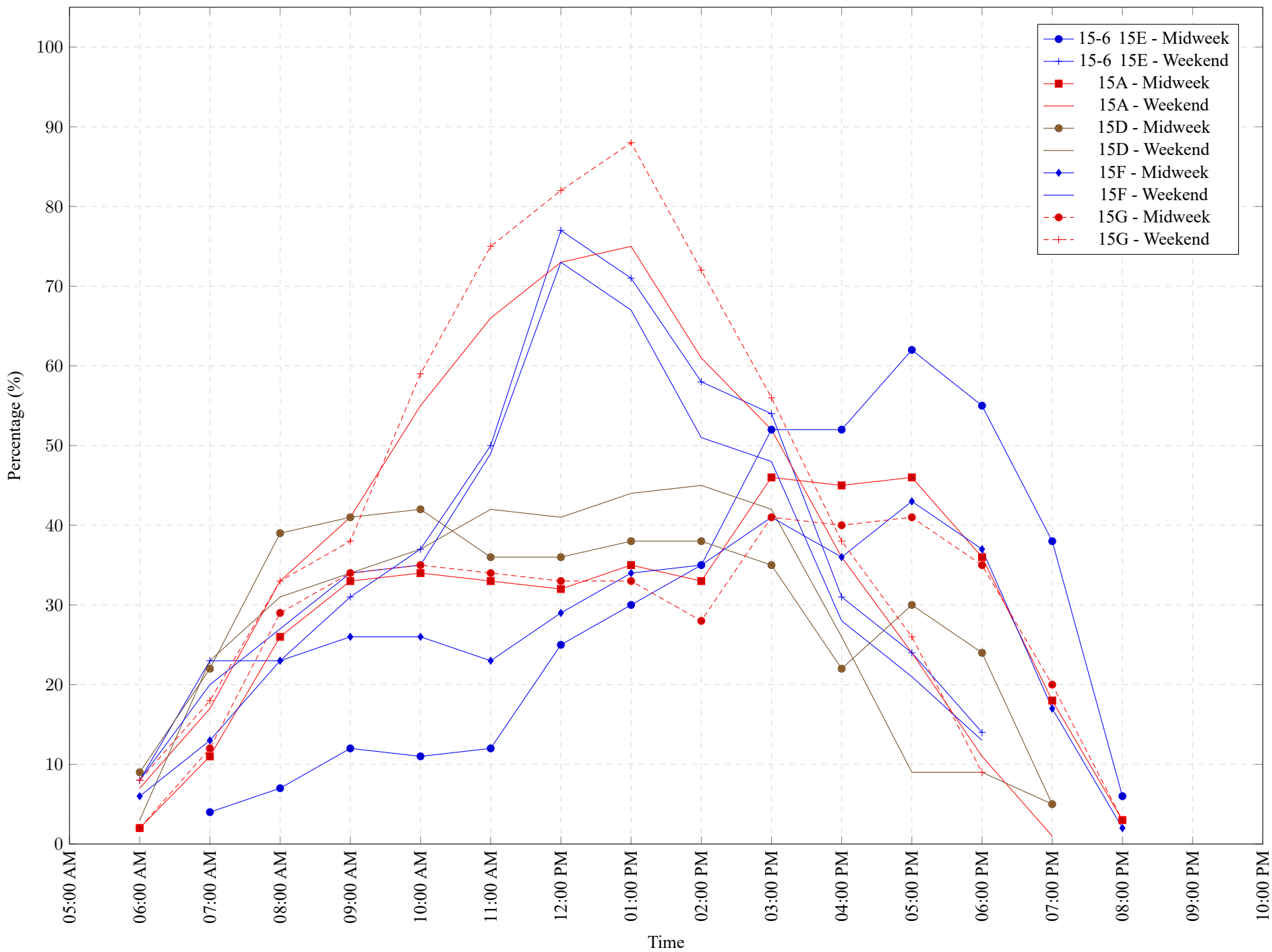


Table 7: Proportion of each day's fishing by hour.

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 15E	Midweek	0%	4%	7%	12%	11%	12%	25%	30%	35%	52%	52%	62%	55%	38%	6%	0%	0%
15-6 15E	Weekend	8%	23%	23%	31%	37%	50%	77%	71%	58%	54%	31%	24%	14%	0%	0%	0%	0%
15A	Midweek	2%	11%	26%	33%	34%	33%	32%	35%	33%	46%	45%	46%	36%	18%	3%	0%	0%
15A	Weekend	7%	17%	33%	41%	55%	66%	73%	75%	61%	52%	36%	24%	11%	1%	0%	0%	0%
15D	Midweek	9%	22%	39%	41%	42%	36%	36%	38%	38%	35%	22%	30%	24%	5%	0%	0%	0%
15D	Weekend	3%	23%	31%	34%	37%	42%	41%	44%	45%	42%	26%	9%	9%	5%	0%	0%	0%
15F	Midweek	6%	13%	23%	26%	26%	23%	29%	34%	35%	41%	36%	43%	37%	17%	2%	0%	0%
15F	Weekend	8%	20%	27%	34%	35%	49%	73%	67%	51%	48%	28%	21%	13%	0%	0%	0%	0%
15G	Midweek	2%	12%	29%	34%	35%	34%	33%	33%	28%	41%	40%	41%	35%	20%	3%	0%	0%
15G	Weekend	8%	18%	33%	38%	59%	75%	82%	88%	72%	56%	38%	26%	9%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

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