

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 15 June 2022



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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Canada

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Canada



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

Date	Day Type	Big Rock Boat Rental		Comox Mun	Discovery Marina South		Lund		Pacific Play		Westview	
		AM	PM	PM	AM	PM	AM	PM	AM	PM	AM	PM
29 May 2022	Weekend											
30 May 2022	Midweek						2					
31 May 2022	Midweek										1	
01 Jun 2022	Midweek							1				
02 Jun 2022	Midweek											
03 Jun 2022	Midweek					2						
04 Jun 2022	Weekend											
05 Jun 2022	Weekend											
06 Jun 2022	Midweek				1							
07 Jun 2022	Midweek	1				5						
08 Jun 2022	Midweek											
09 Jun 2022	Midweek											
10 Jun 2022	Midweek											
11 Jun 2022	Weekend											
12 Jun 2022	Weekend					3						
13 Jun 2022	Midweek											
14 Jun 2022	Midweek											
15 Jun 2022	Midweek											
16 Jun 2022	Midweek		1									
17 Jun 2022	Midweek											
18 Jun 2022	Weekend								2			
19 Jun 2022	Weekend	1										
20 Jun 2022	Midweek			1								
21 Jun 2022	Midweek											
22 Jun 2022	Midweek		1									
23 Jun 2022	Midweek					1						
24 Jun 2022	Midweek									1	1	
25 Jun 2022	Weekend								5			
26 Jun 2022	Weekend		2				2					
27 Jun 2022	Midweek		1									
28 Jun 2022	Midweek											
29 Jun 2022	Midweek											4
30 Jun 2022	Midweek											
01 Jul 2022	Weekend											4
02 Jul 2022	Weekend					5						
03 Jul 2022	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-May-2022	Sunday		2	5						
30-May-2022	Monday	calm/rippled	8	7						
31-May-2022	Tuesday	calm/rippled	1							
01-Jun-2022	Wednesday		1	2				9	1253	26
02-Jun-2022	Thursday	calm/rippled	2							
03-Jun-2022	Friday	choppy	3	6						
04-Jun-2022	Saturday		1	2				17	1233	51
05-Jun-2022	Sunday		1	2						
06-Jun-2022	Monday	calm/rippled	1	2						
07-Jun-2022	Tuesday	calm/rippled	11	13			1			
08-Jun-2022	Wednesday		0							
09-Jun-2022	Thursday		2	4						
10-Jun-2022	Friday		4	2				11	1257	30
11-Jun-2022	Saturday		3	6				17	1248	51
12-Jun-2022	Sunday	choppy	4	3						
13-Jun-2022	Monday		1	1						
14-Jun-2022	Tuesday		1							
15-Jun-2022	Wednesday		1	2						
16-Jun-2022	Thursday	calm/rippled	1	2						
17-Jun-2022	Friday		1	2				11	1259	31
18-Jun-2022	Saturday	calm/rippled	6	6						
19-Jun-2022	Sunday	calm/rippled	7	10				15	1236	45
20-Jun-2022	Monday	calm/rippled	2	5						
21-Jun-2022	Tuesday		5	4						
22-Jun-2022	Wednesday	frequent whitecaps	6	3						
23-Jun-2022	Thursday	calm/rippled	2	2						
24-Jun-2022	Friday	calm/rippled	4	2				24	1252	67
25-Jun-2022	Saturday	calm/rippled	7	7				36	1258	109
26-Jun-2022	Sunday	calm/rippled	9	7						
27-Jun-2022	Monday	calm/rippled	3	2						
28-Jun-2022	Tuesday		3	5						
29-Jun-2022	Wednesday	calm/rippled	6	5						
30-Jun-2022	Thursday		1							
01-Jul-2022	Friday (Canada Day)	calm/rippled	6	1						
02-Jul-2022	Saturday	calm/rippled	13	15				32	1203	90
03-Jul-2022	Sunday		6	9						
	Totals	calm/rippled	61	64			1	14*		39*
	Totals	calm/rippled	38	43				21*		64*

* 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	64	8	512	1.132				580			
Midweek	39	22	858	1.049			0.016	900			14

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	June	1732	1963	57		
2018	June	981	1031			
2019	June	467	9			0
2020	June	281		20		
2021	June	1466	1384			0
2022	June	1275	1664	0		40
5-Yr Avg	June	985	1097	39		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	136	9%	18%	104	31%	24%	25

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	99	26%
iRec Anglers	1038	34%

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

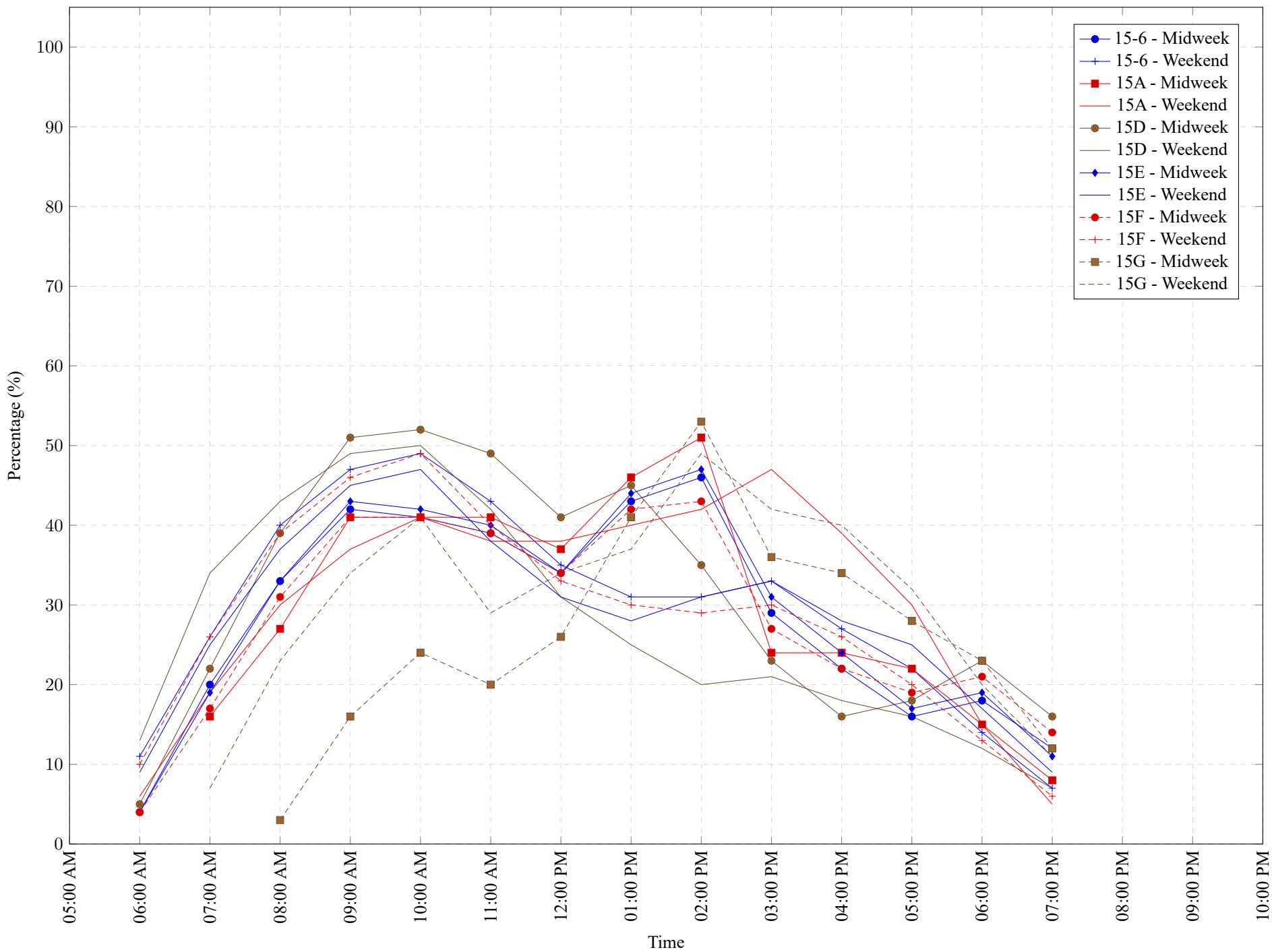


Table 7: Proportion of each day's fishing by hour.

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	4%	20%	33%	42%	41%	39%	34%	43%	46%	29%	22%	16%	18%	12%	0%	0%	0%
15-6	Weekend	11%	26%	40%	47%	49%	43%	35%	31%	31%	33%	27%	22%	14%	7%	0%	0%	0%
15A	Midweek	0%	16%	27%	41%	41%	41%	37%	46%	51%	24%	24%	22%	15%	8%	0%	0%	0%
15A	Weekend	6%	19%	30%	37%	41%	38%	38%	40%	42%	47%	39%	30%	15%	5%	0%	0%	0%
15D	Midweek	5%	22%	39%	51%	52%	49%	41%	45%	35%	23%	16%	18%	23%	16%	0%	0%	0%
15D	Weekend	13%	34%	43%	49%	50%	42%	31%	25%	20%	21%	18%	16%	12%	7%	0%	0%	0%
15E	Midweek	4%	19%	33%	43%	42%	40%	34%	44%	47%	31%	24%	17%	19%	11%	0%	0%	0%
15E	Weekend	9%	25%	37%	45%	47%	38%	31%	28%	31%	33%	28%	25%	17%	9%	0%	0%	0%
15F	Midweek	4%	17%	31%	41%	41%	39%	34%	42%	43%	27%	22%	19%	21%	14%	0%	0%	0%
15F	Weekend	10%	26%	39%	46%	49%	40%	33%	30%	29%	30%	26%	20%	13%	6%	0%	0%	0%
15G	Midweek	0%	0%	3%	16%	24%	20%	26%	41%	53%	36%	34%	28%	23%	12%	0%	0%	0%
15G	Weekend	0%	7%	23%	34%	41%	29%	34%	37%	49%	42%	40%	32%	20%	11%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Big Rock Boat Rental	Comox Mun	Discovery Marina South	Lund	Pacific Play	Westview
29 May 2022	Weekend						
30 May 2022	Midweek				calm/rippled		
31 May 2022	Midweek						calm/rippled
01 Jun 2022	Midweek						
02 Jun 2022	Midweek				calm/rippled		
03 Jun 2022	Midweek			choppy			
04 Jun 2022	Weekend						
05 Jun 2022	Weekend						
06 Jun 2022	Midweek			calm/rippled			
07 Jun 2022	Midweek	calm/rippled		calm/rippled			
08 Jun 2022	Midweek						
09 Jun 2022	Midweek						
10 Jun 2022	Midweek						
11 Jun 2022	Weekend						
12 Jun 2022	Weekend			choppy			
13 Jun 2022	Midweek						
14 Jun 2022	Midweek						
15 Jun 2022	Midweek						
16 Jun 2022	Midweek	calm/rippled					
17 Jun 2022	Midweek						
18 Jun 2022	Weekend					calm/rippled	
19 Jun 2022	Weekend	calm/rippled					
20 Jun 2022	Midweek		calm/rippled				
21 Jun 2022	Midweek						
22 Jun 2022	Midweek	frequent whitecaps					
23 Jun 2022	Midweek			calm/rippled			
24 Jun 2022	Midweek					calm/rippled	calm/rippled
25 Jun 2022	Weekend					calm/rippled	
26 Jun 2022	Weekend	calm/rippled			calm/rippled		
27 Jun 2022	Midweek	calm/rippled					
28 Jun 2022	Midweek						
29 Jun 2022	Midweek						calm/rippled
30 Jun 2022	Midweek						
01 Jul 2022	Weekend						calm/rippled
02 Jul 2022	Weekend			calm/rippled			
03 Jul 2022	Weekend						