FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 15 September 2022



Prepared By: South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023

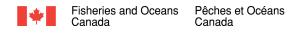




Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

		Big Rock Boat Rental	Comox Mun	Discov- ery Marina South	Kitty Coleman	Pacific Play	Saltery Bay	Westv	riew
Date	Day Type	PM	PM	PM	PM	PM	AM	AM	PM
29 Aug 2022	Midweek	11.1	2	11.1	2 1.12	1111	11111	11111	
30 Aug 2022	Midweek								
31 Aug 2022	Midweek								
01 Sep 2022	Midweek								3
02 Sep 2022	Midweek								
03 Sep 2022	Weekend								
04 Sep 2022	Weekend								
05 Sep 2022	Weekend								
06 Sep 2022	Midweek								
07 Sep 2022	Midweek								
08 Sep 2022	Midweek								2
09 Sep 2022	Midweek				1				
10 Sep 2022	Weekend					1			
11 Sep 2022	Weekend								
12 Sep 2022	Midweek			2					
13 Sep 2022	Midweek								
14 Sep 2022	Midweek								
15 Sep 2022	Midweek								
16 Sep 2022	Midweek								
17 Sep 2022	Weekend								14
18 Sep 2022	Weekend					1			
19 Sep 2022	Midweek								
20 Sep 2022	Midweek								
21 Sep 2022	Midweek						1		
22 Sep 2022	Midweek							1	
23 Sep 2022	Midweek Weekend	1						1	
24 Sep 2022 25 Sep 2022	Weekend	1							
26 Sep 2022	Midweek								
26 Sep 2022 27 Sep 2022	Midweek								
27 Sep 2022 28 Sep 2022	Midweek								
29 Sep 2022	Midweek								
30 Sep 2022	Midweek								
01 Oct 2022	Weekend								
0.4 000 4044	concila								
02 Oct 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-Aug-2022	Monday	calm/rippled	3	2				8	1030	16
30-Aug-2022	Tuesday	**	0							
31-Aug-2022	Wednesday		0							
01-Sep-2022	Thursday	choppy	3					12	1048	25
02-Sep-2022	Friday	111	0							
03-Sep-2022	Saturday		0					16	1025	38
04-Sep-2022	Sunday		0							
05-Sep-2022	Monday (Labour		0							
•	Day)									
06-Sep-2022	Tuesday		0							
07-Sep-2022	Wednesday		0					1	1103	2
08-Sep-2022	Thursday	choppy	2	1						
09-Sep-2022	Friday	calm/rippled	1							
10-Sep-2022	Saturday	calm/rippled	4	6	2			28	1007	69
11-Sep-2022	Sunday		0							
12-Sep-2022	Monday	calm/rippled	4	7	5					
13-Sep-2022	Tuesday		3	3	2					
14-Sep-2022	Wednesday		0							
15-Sep-2022	Thursday		0					5	1023	10
16-Sep-2022	Friday		0							
17-Sep-2022	Saturday	choppy	14	3	1					
18-Sep-2022	Sunday	calm/rippled	1					10	1038	21
19-Sep-2022	Monday		0							
20-Sep-2022	Tuesday		0							
21-Sep-2022	Wednesday	calm/rippled	1					7	1033	14
22-Sep-2022	Thursday		0							
23-Sep-2022	Friday	calm/rippled	1	1						
24-Sep-2022	Saturday	choppy	1					27	1105	49
25-Sep-2022	Sunday		0							
26-Sep-2022	Monday		0							
27-Sep-2022	Tuesday		0							
28-Sep-2022	Wednesday		0							
29-Sep-2022	Thursday		0							
30-Sep-2022	Friday		0							
01-Oct-2022	Saturday		0							
02-Oct-2022	Sunday		0					32	1210	54
03-Oct-2022	Monday		0							
	Totals	calm/rippled	15	12	7			6*		13*
	Totals	choppy	20	9	3			20*		44*

^{*} 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										
Weekend	44	9	396	0.45	0.15			178	59				
Midweek	13	21	273	0.8	0.467			218	127				

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2022	September	561	211	59		0
5-Yr Avg	September	974	337	78	0	0

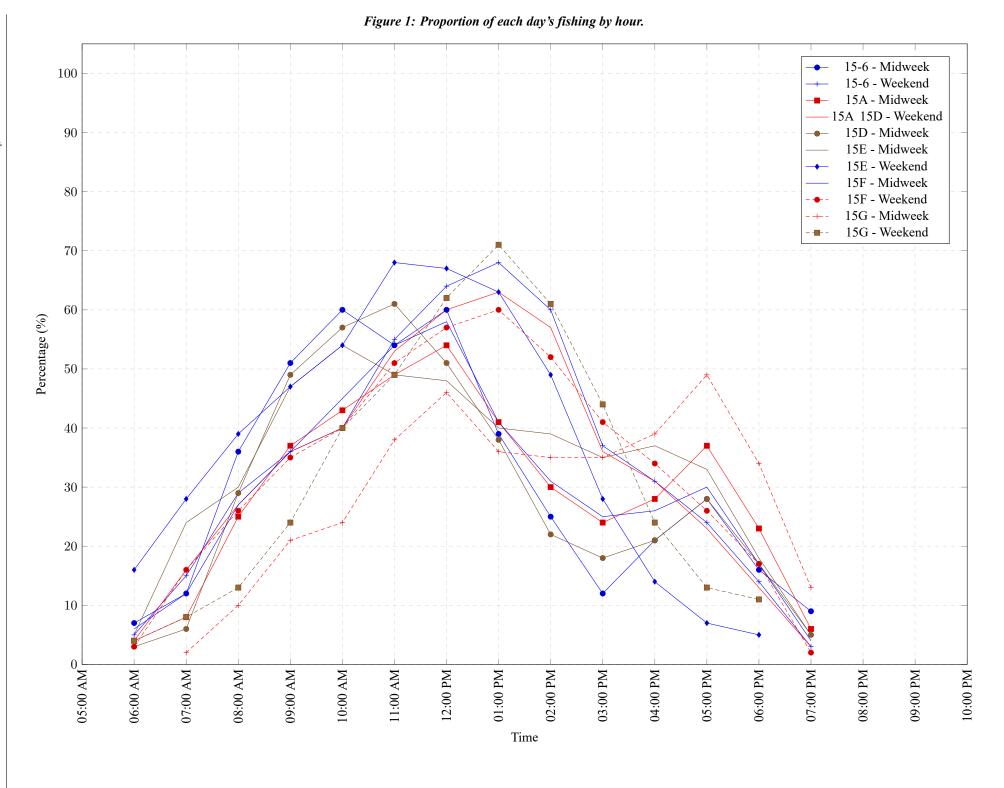
Table 5: Sport Head Recovery Review.

Species	Creel Marked Catch	l Mark	Creel Submission Rate	iRec Marked Catch	Mark	iRec Submission Rate	Sport Head Recoveries
Chinook	60	28%	7%	34	7%	12%	4

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	35	8%
iRec Anglers	1838	4%

Area 15 September 2022



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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	Midweek	7%	12%	36%	51%	60%	54%	60%	39%	25%	12%	21%	28%	16%	9%	0%	0%	0%
15-6	Weekend	5%	15%	29%	36%	40%	55%	64%	68%	60%	37%	31%	24%	14%	3%	0%	0%	0%
15A	Midweek	4%	8%	25%	37%	43%	49%	54%	41%	30%	24%	28%	37%	23%	6%	0%	0%	0%
15A 15D	Weekend	4%	16%	27%	36%	40%	53%	60%	63%	57%	36%	31%	23%	13%	3%	0%	0%	0%
15D	Midweek	3%	6%	29%	49%	57%	61%	51%	38%	22%	18%	21%	28%	17%	5%	0%	0%	0%
15E	Midweek	5%	24%	30%	47%	54%	49%	48%	40%	39%	35%	37%	33%	18%	5%	0%	0%	0%
15E	Weekend	16%	28%	39%	47%	54%	68%	67%	63%	49%	28%	14%	7%	5%	0%	0%	0%	0%
15F	Midweek	6%	12%	27%	36%	45%	54%	58%	41%	31%	25%	26%	30%	17%	4%	0%	0%	0%
15F	Weekend	3%	16%	26%	35%	40%	51%	57%	60%	52%	41%	34%	26%	17%	2%	0%	0%	0%
15G	Midweek	0%	2%	10%	21%	24%	38%	46%	36%	35%	35%	39%	49%	34%	13%	0%	0%	0%
15G	Weekend	4%	8%	13%	24%	40%	49%	62%	71%	61%	44%	24%	13%	11%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Big Rock Boat Rental	Comox Mun	Discovery Marina South	Kitty Coleman	Pacific Play	Saltery Bay	Westview
29 Aug 2022	Midweek		calm/rippled					
30 Aug 2022	Midweek		11					
31 Aug 2022	Midweek							
01 Sep 2022	Midweek							choppy
02 Sep 2022	Midweek							117
03 Sep 2022	Weekend							
04 Sep 2022	Weekend							
05 Sep 2022	Weekend							
06 Sep 2022	Midweek							
07 Sep 2022	Midweek							
08 Sep 2022	Midweek							choppy
09 Sep 2022	Midweek				calm/rippled			117
10 Sep 2022	Weekend					calm/rippled		
11 Sep 2022	Weekend							
12 Sep 2022	Midweek			calm/rippled				
13 Sep 2022	Midweek							
14 Sep 2022	Midweek							
15 Sep 2022	Midweek							
16 Sep 2022	Midweek							
17 Sep 2022	Weekend							choppy
18 Sep 2022	Weekend					calm/rippled		
19 Sep 2022	Midweek							
20 Sep 2022	Midweek							
21 Sep 2022	Midweek						calm/rippled	
22 Sep 2022	Midweek							
23 Sep 2022	Midweek							calm/rippled
24 Sep 2022	Weekend	choppy						
25 Sep 2022	Weekend							
26 Sep 2022	Midweek							
27 Sep 2022	Midweek							
28 Sep 2022	Midweek							
29 Sep 2022	Midweek							
30 Sep 2022	Midweek							
01 Oct 2022	Weekend							
02 Oct 2022	Weekend							
03 Oct 2022	Midweek							