FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 15 July 2022



Prepared By: South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023

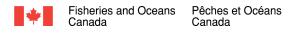




Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

		Big Rock Boat Rental				Kitty	Lund Pacific			Saltery	Westview	
Data	Day Trans	Ren AM	tal PM	Sou AM	ith PM	Coleman PM	AM	PM	Play PM	Bay PM	AM	PM
Date 28 Jun 2022	Day Type Midweek	Alvi	PIVI	Alvi	PM	PIVI	AlVI	PIVI	PM	PM	AlVI	PM
29 Jun 2022	Midweek											4
30 Jun 2022	Midweek											4
01 Jul 2022	Weekend											4
02 Jul 2022	Weekend				5							4
02 Jul 2022 03 Jul 2022	Weekend				3							
04 Jul 2022	Midweek											
05 Jul 2022	Midweek		3									
06 Jul 2022	Midweek		3									
07 Jul 2022	Midweek											
08 Jul 2022	Midweek											
09 Jul 2022	Weekend						1					
10 Jul 2022	Weekend											
11 Jul 2022	Midweek											
12 Jul 2022	Midweek											
13 Jul 2022	Midweek											3
14 Jul 2022	Midweek											
15 Jul 2022	Midweek											
16 Jul 2022	Weekend										9	
17 Jul 2022	Weekend						4					
18 Jul 2022	Midweek											
19 Jul 2022	Midweek										3	
20 Jul 2022	Midweek						3		3			
21 Jul 2022	Midweek									1		
22 Jul 2022	Midweek	1										4
23 Jul 2022	Weekend											
24 Jul 2022	Weekend											
25 Jul 2022	Midweek											
26 Jul 2022	Midweek									1		
27 Jul 2022	Midweek							1				
28 Jul 2022	Midweek											1
29 Jul 2022	Midweek			1			1					
30 Jul 2022	Weekend					1						
31 Jul 2022	Weekend										9	
01 Aug 2022	Weekend											
02 Aug 2022	Midweek											
03 Aug 2022	Midweek											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
28-Jun-2022	Tuesday		3	5						
29-Jun-2022	Wednesday	calm/rippled	6	5						
30-Jun-2022	Thursday	• • • • • • • • • • • • • • • • • • • •	1							
01-Jul-2022	Friday (Canada	calm/rippled	6	1						
	Day)									
02-Jul-2022	Saturday	calm/rippled	13	15				32	1203	101
03-Jul-2022	Sunday		6	9						
04-Jul-2022	Monday		3	4						
05-Jul-2022	Tuesday	calm/rippled	3	2				31	1252	94
06-Jul-2022	Wednesday		0							
07-Jul-2022	Thursday		5	2						
08-Jul-2022	Friday		5	4				15	1209	49
09-Jul-2022	Saturday	calm/rippled	1					16	1202	50
10-Jul-2022	Sunday		2					14	1153	47
11-Jul-2022	Monday		0							
12-Jul-2022	Tuesday		2	4						
13-Jul-2022	Wednesday	calm/rippled	5	2				19	1202	59
14-Jul-2022	Thursday		4	5						
15-Jul-2022	Friday		1					10	1155	32
16-Jul-2022	Saturday	calm/rippled	11	13						
17-Jul-2022	Sunday	calm/rippled	6	7				14	1204	43
18-Jul-2022	Monday		3	4						
19-Jul-2022	Tuesday	calm/rippled	6	7						
20-Jul-2022	Wednesday	calm/rippled	7	15						
21-Jul-2022	Thursday	calm/rippled	2	1						
22-Jul-2022	Friday	calm/rippled	8	8						
23-Jul-2022	Saturday		0							
24-Jul-2022	Sunday		1	1					10.51	
25-Jul-2022	Monday		0	2				29	1051	99
26-Jul-2022	Tuesday	calm/rippled	2	3				22	1059	74
27-Jul-2022	Wednesday	calm/rippled	4	4				10	1005	
28-Jul-2022	Thursday	calm/rippled	1					18	1037	62
29-Jul-2022	Friday	calm/rippled	2	1				1.4	1026	20
30-Jul-2022	Saturday	choppy	2	_				14	1036	38
31-Jul-2022	Sunday	calm/rippled	10	4				4.4	1020	110
01-Aug-2022	Monday (B.C.		2	2				44	1039	118
02 4 2022	Day)		2	2				26	1001	02
02-Aug-2022	Tuesday	. 1 . / . 1 . 1	2	3				26	1001	92
03-Aug-2022	Wednesday	calm/rippled	3	2				21*		67 *
	Totals	calm/rippled	63	66						67*
	Totals	calm/rippled	58	50				18*		56*

^{*} 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	56	11	616	0.862				531					
Midweek	67	20	1340	1.048				1404					

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	July	3876	863	226		
2018	July	2151	1649	176		
2019	July	1828	1590	68		0
2020	July	1741	662	117		0
2021	July	3155	2870	24		0
2022	July	1888	1782	0		0
5-Yr Avg	July	2550	1527	122		0

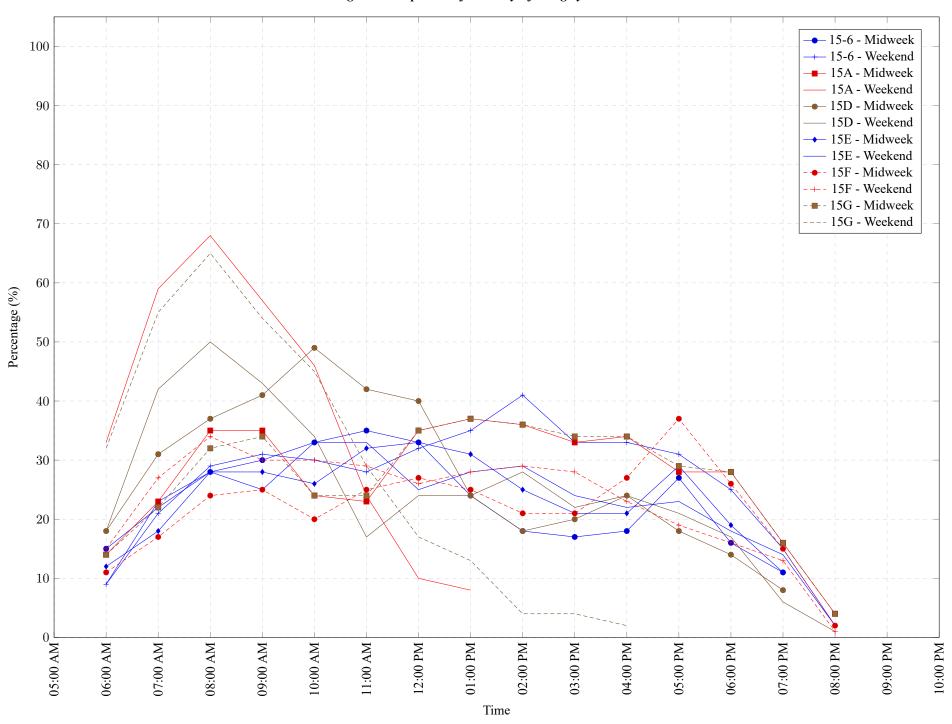
Table 5: Sport Head Recovery Review.

Species	Creel Marked Catch	l Mark	Creel Submission Rate	iRec Marked Catch	Mark	iRec Submission Rate	Sport Head Recoveries
Chinook	270	15%	24%	452	21%	14%	65

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	116	10%
iRec Anglers	5222	7%

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



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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	15%	22%	28%	30%	33%	35%	33%	24%	18%	17%	18%	27%	16%	11%	0%	0%	0%
15-6	Weekend	9%	21%	29%	31%	30%	28%	32%	35%	41%	33%	33%	31%	25%	15%	2%	0%	0%
15A	Midweek	14%	23%	35%	35%	24%	23%	35%	37%	36%	33%	34%	28%	28%	16%	4%	0%	0%
15A	Weekend	33%	59%	68%	57%	46%	24%	10%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%
15D	Midweek	18%	31%	37%	41%	49%	42%	40%	24%	18%	20%	24%	18%	14%	8%	0%	0%	0%
15D	Weekend	18%	42%	50%	43%	34%	17%	24%	24%	28%	22%	24%	21%	17%	6%	1%	0%	0%
15E	Midweek	12%	18%	28%	28%	26%	32%	33%	31%	25%	21%	21%	29%	19%	11%	0%	0%	0%
15E	Weekend	9%	23%	28%	25%	33%	33%	25%	28%	29%	24%	22%	23%	18%	14%	2%	0%	0%
15F	Midweek	11%	17%	24%	25%	20%	25%	27%	25%	21%	21%	27%	37%	26%	15%	2%	0%	0%
15F	Weekend	15%	27%	34%	30%	30%	29%	26%	28%	29%	28%	23%	19%	16%	13%	1%	0%	0%
15G	Midweek	14%	22%	32%	34%	24%	24%	35%	37%	36%	34%	34%	29%	28%	16%	4%	0%	0%
15G	Weekend	32%	55%	65%	54%	45%	29%	17%	13%	4%	4%	2%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Big Rock Boat Rental	Discovery Marina South	Kitty Coleman	Lund	Pacific Play	Saltery Bay	Westview
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							
04 Jul 2022	Midweek							
05 Jul 2022	Midweek	calm/rippled						
06 Jul 2022	Midweek							
07 Jul 2022	Midweek							
08 Jul 2022	Midweek							
09 Jul 2022	Weekend				calm/rippled			
10 Jul 2022	Weekend				•			
11 Jul 2022	Midweek							
12 Jul 2022	Midweek							
13 Jul 2022	Midweek							calm/ripple
14 Jul 2022	Midweek							11
15 Jul 2022	Midweek							
16 Jul 2022	Weekend							calm/rippled
17 Jul 2022	Weekend				calm/rippled			
18 Jul 2022	Midweek							
19 Jul 2022	Midweek							calm/ripple
20 Jul 2022	Midweek				calm/rippled	calm/rippled		
21 Jul 2022	Midweek						calm/rippled	
22 Jul 2022	Midweek	choppy						calm/rippled
23 Jul 2022	Weekend							
24 Jul 2022	Weekend							
25 Jul 2022	Midweek							
26 Jul 2022	Midweek						calm/rippled	
27 Jul 2022	Midweek				calm/rippled			
28 Jul 2022	Midweek							calm/rippled
29 Jul 2022	Midweek		choppy		calm/rippled			
30 Jul 2022	Weekend		110	choppy	• • • • • • • • • • • • • • • • • • • •			
31 Jul 2022	Weekend							calm/rippled
01 Aug 2022	Weekend							
02 Aug 2022	Midweek							
03 Aug 2022	Midweek							calm/rippled