FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 15 August 2019



Prepared By: South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020

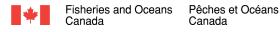




Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

		Big Rock Boat Rental	Comox	Mun	Discovery		French Ck	Kitty Coleman	Lur	nd	Pacific	Play	Saltery Bay	Westv	riew
Date	Day Type	AM	AM	PM	AM	PM	PM	AM	AM	PM	AM	PM	PM	AM	PM
29 Jul 2019	Midweek								5						
30 Jul 2019	Midweek														
31 Jul 2019	Midweek														
01 Aug 2019	Midweek														
02 Aug 2019	Midweek														
03 Aug 2019	Weekend									5					
04 Aug 2019	Weekend					3								16	
05 Aug 2019	Weekend														
06 Aug 2019	Midweek														
07 Aug 2019	Midweek			3	1										14
08 Aug 2019	Midweek														
09 Aug 2019	Midweek														
10 Aug 2019	Weekend														
11 Aug 2019	Weekend														
12 Aug 2019	Midweek									4					
13 Aug 2019	Midweek												1		
14 Aug 2019	Midweek											2			
15 Aug 2019	Midweek														
16 Aug 2019	Midweek														
17 Aug 2019	Weekend					1									
18 Aug 2019	Weekend	1								5					
19 Aug 2019	Midweek														
20 Aug 2019	Midweek														
21 Aug 2019	Midweek									2					
22 Aug 2019	Midweek														
23 Aug 2019	Midweek										2		1		
24 Aug 2019 25 Aug 2019	Weekend Weekend										2		1		10
26 Aug 2019 26 Aug 2019	Midweek													9	10
26 Aug 2019 27 Aug 2019	Midweek								2					9	
28 Aug 2019	Midweek					1			<i>L</i>						
29 Aug 2019	Midweek					1									
30 Aug 2019	Midweek														
31 Aug 2019	Weekend								4						
01 Sep 2019	Weekend		1				1		Т						
02 Sep 2019	Weekend						•	1				1			
03 Sep 2019	Midweek							•						11	

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-Jul-2019	Monday	calm/rippled	5	1				27	1112	99
30-Jul-2019	Tuesday	11	0							
31-Jul-2019	Wednesday		1	3						
01-Aug-2019	Thursday		0					5	1028	17
02-Aug-2019	Friday		0					17	1038	59
03-Aug-2019	Saturday	calm/rippled	5	9				28	1012	70
04-Aug-2019	Sunday	calm/rippled	21	14						
05-Aug-2019	Monday (B.C.		1	1				45	1011	114
	Day)									
06-Aug-2019	Tuesday		1	2						
07-Aug-2019	Wednesday	choppy	18	19	2			30	1007	104
08-Aug-2019	Thursday		0							
09-Aug-2019	Friday		0							
10-Aug-2019	Saturday		0					46	1008	117
11-Aug-2019	Sunday		0							
12-Aug-2019	Monday	choppy	4							
13-Aug-2019	Tuesday	calm/rippled	1	1						
14-Aug-2019	Wednesday	calm/rippled	3	3				25	1008	85
15-Aug-2019	Thursday		1							
16-Aug-2019	Friday		0							
17-Aug-2019	Saturday	calm/rippled	1							
18-Aug-2019	Sunday	choppy	6	2				17	1009	44
19-Aug-2019	Monday		0							
20-Aug-2019	Tuesday		0							
21-Aug-2019	Wednesday	choppy	2						4000	• •
22-Aug-2019	Thursday		0					11	1009	38
23-Aug-2019	Friday	1 /: 1 1	0							
24-Aug-2019	Saturday	calm/rippled	3	4				1.1	1010	20
25-Aug-2019	Sunday	choppy	10	5	1			11	1010	29
26-Aug-2019	Monday	choppy	9	5	1					
27-Aug-2019	Tuesday	choppy	2	1						
28-Aug-2019 29-Aug-2019	Wednesday Thursday	calm/rippled	1					27	1034	92
30-Aug-2019	Friday		1	1				41	1034	94
31-Aug-2019	Saturday	calm/rippled	4	3	1					
01-Sep-2019	Sunday	calm/rippled	2	5	1			39	1219	106
01-Sep-2019 02-Sep-2019	Monday (Labour	calm/rippled	2	3				39	1217	100
•	Day)	••								
03-Sep-2019	Tuesday	choppy	11	4	3			*		- *
	Totals	choppy	43	32	3			19*		66*
	Totals	calm/rippled	51	38	1			29*		75*

^{*} 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									
Midweek	66	21	1386	0.7440	0.07			1031	97			
Weekend	75	10	750	0.7450	0.02			559	15			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	August	950	279	21	41	
2015	August	2144	1665	79		
2016	August	1962	630	216		
2017	August	2481	1725	169		
2018	August	4482	2345	256	121	
2019	August	2017	1442	85		0
5-Yr Avg	August	2404	1329	148	81	

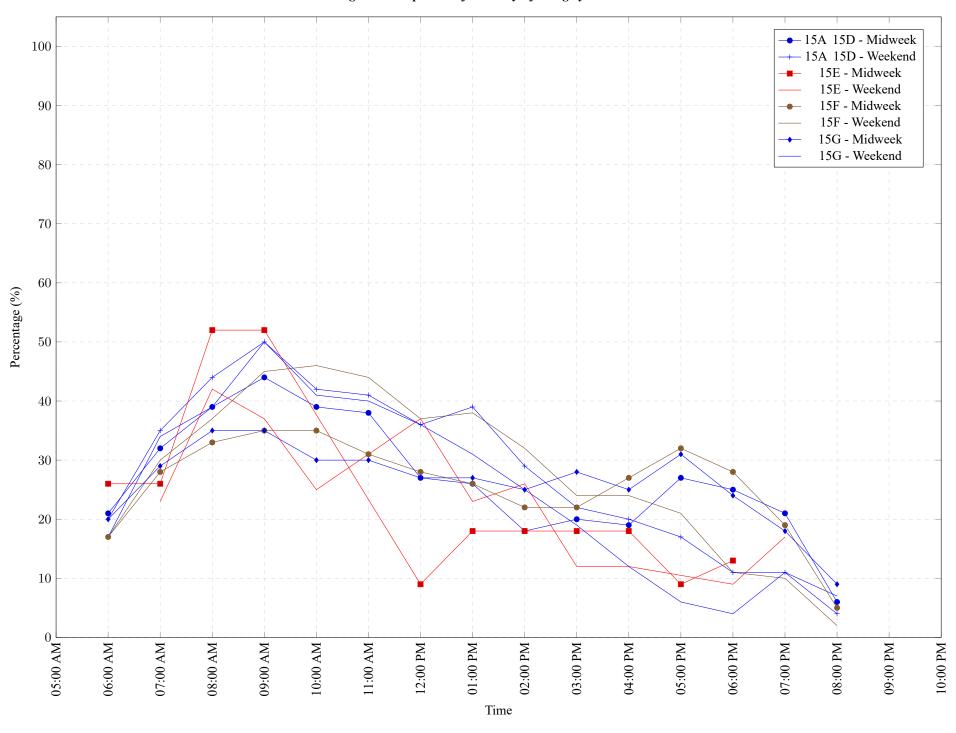
Table 5: Sport Head Recovery Review.

Species		Creel Mark Rate	Creel Submission Rate	iRec Marked Catch		iRec Submission Rate	Sport Head Recoveries
Coho	48	56%	6%	138	37%	2%	3
Chinook	146	10%	22%	419	18%	8%	32

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	91	2%
iRec Anglers	6115	10%
iRec Responses	123	6%

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										
15A 15D	Midweek	21%	32%	39%	44%	39%	38%	27%	26%	18%	20%	19%	27%	25%	21%	6%	0%	0%
15A 15D	Weekend	20%	35%	44%	50%	42%	41%	36%	39%	29%	22%	20%	17%	11%	11%	4%	0%	0%
15E	Midweek	26%	26%	52%	52%	0%	0%	9%	18%	18%	18%	18%	9%	13%	0%	0%	0%	0%
15E	Weekend	0%	23%	42%	37%	25%	31%	37%	23%	26%	12%	12%	0%	9%	17%	0%	0%	0%
15F	Midweek	17%	28%	33%	35%	35%	31%	28%	26%	22%	22%	27%	32%	28%	19%	5%	0%	0%
15F	Weekend	17%	30%	37%	45%	46%	44%	37%	38%	32%	24%	24%	21%	11%	10%	2%	0%	0%
15G	Midweek	20%	29%	35%	35%	30%	30%	27%	27%	25%	28%	25%	31%	24%	18%	9%	0%	0%
15G	Weekend	17%	34%	39%	50%	41%	40%	36%	31%	25%	19%	12%	6%	4%	11%	7%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Big Rock Boat Rental	Comox Mun	Discovery Marina South	French Ck	Kitty Coleman	Lund	Pacific Play	Saltery Bay	Westview
29 Jul 2019	Midweek						calm/rippled			
30 Jul 2019	Midweek									
31 Jul 2019	Midweek									
01 Aug 2019	Midweek									
02 Aug 2019	Midweek									
03 Aug 2019	Weekend						calm/rippled			
04 Aug 2019	Weekend			calm/rippled						calm/rippled
05 Aug 2019	Weekend			**						**
06 Aug 2019	Midweek									
07 Aug 2019	Midweek		calm/rippled	calm/rippled						choppy
08 Aug 2019	Midweek		11	**						117
09 Aug 2019	Midweek									
10 Aug 2019	Weekend									
11 Aug 2019	Weekend									
12 Aug 2019	Midweek						choppy			
13 Aug 2019	Midweek						117		calm/rippled	
14 Aug 2019	Midweek							calm/rippled	11	
15 Aug 2019	Midweek							11		
16 Aug 2019	Midweek									
17 Aug 2019	Weekend			calm/rippled						
18 Aug 2019	Weekend	calm/rippled		11			choppy			
19 Aug 2019	Midweek						FLV			
20 Aug 2019	Midweek									
21 Aug 2019	Midweek						choppy			
22 Aug 2019	Midweek									
23 Aug 2019	Midweek									
24 Aug 2019	Weekend							calm/rippled	calm/rippled	
25 Aug 2019	Weekend									choppy
26 Aug 2019	Midweek									choppy
27 Aug 2019	Midweek						choppy			
28 Aug 2019	Midweek			calm/rippled						
29 Aug 2019	Midweek									
30 Aug 2019	Midweek									
31 Aug 2019	Weekend						calm/rippled			
01 Sep 2019	Weekend		calm/rippled		calm/rippled					
02 Sep 2019	Weekend					calm/rippled		calm/rippled		
03 Sep 2019	Midweek					Junia Tippieu		zami rippiou		choppy