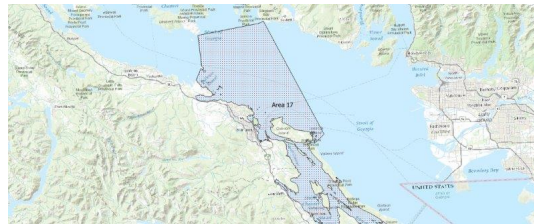


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 17 September 2019



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

Date	Day Type	Brechin		Cooper's Green	Crofton Ramp		French Ck	Ladysmith		Schooner	
		AM	PM	PM	AM	PM	PM	AM	PM	AM	PM
29 Aug 2019	Midweek										2
30 Aug 2019	Midweek							4			
31 Aug 2019	Weekend							4			
01 Sep 2019	Weekend						3				
02 Sep 2019	Weekend										
03 Sep 2019	Midweek										
04 Sep 2019	Midweek										
05 Sep 2019	Midweek										
06 Sep 2019	Midweek		11								
07 Sep 2019	Weekend	14		1		8					
08 Sep 2019	Weekend							6		3	
09 Sep 2019	Midweek										2
10 Sep 2019	Midweek										
11 Sep 2019	Midweek					5					
12 Sep 2019	Midweek							1			
13 Sep 2019	Midweek										
14 Sep 2019	Weekend										
15 Sep 2019	Weekend										
16 Sep 2019	Midweek	9									
17 Sep 2019	Midweek										
18 Sep 2019	Midweek							2			
19 Sep 2019	Midweek										
20 Sep 2019	Midweek				3						
21 Sep 2019	Weekend										2
22 Sep 2019	Weekend							1			
23 Sep 2019	Midweek		1								
24 Sep 2019	Midweek							2			
25 Sep 2019	Midweek										4
26 Sep 2019	Midweek							1			
27 Sep 2019	Midweek										
28 Sep 2019	Weekend		2								
29 Sep 2019	Weekend										
30 Sep 2019	Midweek										
01 Oct 2019	Midweek										
02 Oct 2019	Midweek										
03 Oct 2019	Midweek										

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-2019	Thursday	choppy	3	2						
30-Aug-2019	Friday	choppy	4					37	1110	64
31-Aug-2019	Saturday	calm/rippled	4	1						
01-Sep-2019	Sunday	calm/rippled	4	1				91	1210	173
02-Sep-2019	Monday (Labour Day)		0							
03-Sep-2019	Tuesday		1	1						
04-Sep-2019	Wednesday		0							
05-Sep-2019	Thursday		0					7	1220	14
06-Sep-2019	Friday	calm/rippled	11	1						
07-Sep-2019	Saturday	choppy	23	12	6					
08-Sep-2019	Sunday	choppy	9	1				31	1519	65
09-Sep-2019	Monday	calm/rippled	3		1					
10-Sep-2019	Tuesday		0							
11-Sep-2019	Wednesday	choppy	5							
12-Sep-2019	Thursday	choppy	1					1	1208	2
13-Sep-2019	Friday		0							
14-Sep-2019	Saturday		0					2	1139	4
15-Sep-2019	Sunday		0							
16-Sep-2019	Monday	choppy	9	1						
17-Sep-2019	Tuesday		0							
18-Sep-2019	Wednesday	choppy	2							
19-Sep-2019	Thursday		0							
20-Sep-2019	Friday	calm/rippled	3					22	1214	41
21-Sep-2019	Saturday	frequent whitecaps	2					22	1114	46
22-Sep-2019	Sunday	choppy	1							
23-Sep-2019	Monday	choppy	1					4	1207	8
24-Sep-2019	Tuesday	choppy	2							
25-Sep-2019	Wednesday	choppy	4							
26-Sep-2019	Thursday	choppy	1							
27-Sep-2019	Friday		0							
28-Sep-2019	Saturday	frequent whitecaps	2	1						
29-Sep-2019	Sunday		0							
30-Sep-2019	Monday		0							
01-Oct-2019	Tuesday		0							
02-Oct-2019	Wednesday		0							
03-Oct-2019	Thursday		0							
	Totals	choppy	43	3	1			9*		16*
	Totals	choppy	41	15	6			37*		72*

* 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
Midweek	16	20	320	0.07	0.0230			22	7		
Weekend	72	10	720	0.3660	0.1460			264	105		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	September	1263	220	9	26	
2015	September	813	229			
2016	September	2175	836	256		
2017	September	2295	432	172		
2018	September	795	160	23	0	
2019	September	1033	406	121		0
5-Yr Avg	September	1468	375	115	13	

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
Coho	121	100%	6%		%		7
Chinook	1	0%	700%	153	41%	5%	7

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	84	1%
iRec Anglers	2366	16%
iRec Responses	46	7%

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
17E	Midweek	0%	17%	31%	39%	58%	63%	66%	54%	43%	38%	29%	18%	0%	0%	0%	0%	0%
17E	Weekend	14%	31%	44%	48%	60%	62%	64%	59%	48%	45%	40%	29%	13%	0%	0%	0%	0%
17F	Midweek	12%	37%	49%	53%	50%	47%	40%	29%	22%	16%	12%	9%	3%	0%	0%	0%	0%
17F	Weekend	20%	35%	40%	37%	36%	27%	38%	31%	25%	29%	35%	36%	32%	9%	0%	0%	0%
17H 17L	Midweek	18%	37%	48%	54%	57%	50%	44%	31%	19%	12%	9%	6%	2%	0%	0%	0%	0%
17H 17L	Weekend	20%	35%	39%	37%	41%	34%	45%	36%	28%	29%	33%	32%	26%	7%	0%	0%	0%
17I	Midweek	2%	22%	37%	45%	54%	65%	64%	49%	41%	36%	30%	21%	5%	0%	0%	0%	0%
17I	Weekend	11%	27%	39%	48%	59%	63%	66%	63%	55%	53%	44%	33%	11%	0%	0%	0%	0%
17J	Midweek	0%	14%	29%	47%	56%	61%	51%	26%	20%	15%	12%	9%	0%	0%	0%	0%	0%
17J	Weekend	22%	31%	45%	47%	60%	49%	47%	46%	34%	16%	12%	6%	0%	0%	0%	0%	0%
17K	Midweek	0%	0%	15%	42%	58%	70%	59%	15%	15%	0%	0%	0%	0%	0%	0%	0%	0%
17K	Weekend	3%	3%	15%	36%	57%	65%	61%	73%	67%	34%	25%	13%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Brechin	Cooper's Green	Crofton Ramp	French Ck	Ladysmith	Schooner
29 Aug 2019	Midweek						choppy
30 Aug 2019	Midweek					choppy	
31 Aug 2019	Weekend					calm/rippled	
01 Sep 2019	Weekend				calm/rippled		
02 Sep 2019	Weekend						
03 Sep 2019	Midweek						
04 Sep 2019	Midweek						
05 Sep 2019	Midweek						
06 Sep 2019	Midweek	calm/rippled					
07 Sep 2019	Weekend	choppy	calm/rippled	calm/rippled			
08 Sep 2019	Weekend					choppy	choppy
09 Sep 2019	Midweek						calm/rippled
10 Sep 2019	Midweek						
11 Sep 2019	Midweek			choppy			
12 Sep 2019	Midweek					choppy	
13 Sep 2019	Midweek						
14 Sep 2019	Weekend						
15 Sep 2019	Weekend						
16 Sep 2019	Midweek	choppy					
17 Sep 2019	Midweek						
18 Sep 2019	Midweek					choppy	
19 Sep 2019	Midweek						
20 Sep 2019	Midweek			calm/rippled			
21 Sep 2019	Weekend						frequent whitecaps
22 Sep 2019	Weekend					choppy	
23 Sep 2019	Midweek	choppy					
24 Sep 2019	Midweek					choppy	
25 Sep 2019	Midweek						choppy
26 Sep 2019	Midweek					choppy	
27 Sep 2019	Midweek						
28 Sep 2019	Weekend	frequent whitecaps					
29 Sep 2019	Weekend						
30 Sep 2019	Midweek						
01 Oct 2019	Midweek						
02 Oct 2019	Midweek						
03 Oct 2019	Midweek						