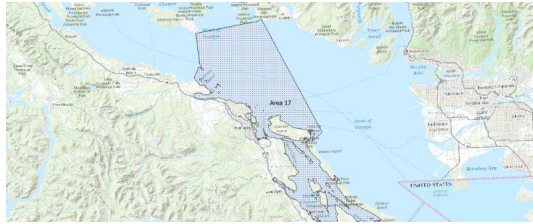


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 17 August 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		Cowichan Bay	Crofton Ramp		French Ck	Ladysmith		Schooner	
		AM	PM	PM	AM	PM	PM	AM	PM	AM	PM
29 Jul 2019	Midweek										
30 Jul 2019	Midweek					4					
31 Jul 2019	Midweek			5							
01 Aug 2019	Midweek							6			
02 Aug 2019	Midweek		20								
03 Aug 2019	Weekend			1						3	
04 Aug 2019	Weekend	4									
05 Aug 2019	Weekend		32								
06 Aug 2019	Midweek										
07 Aug 2019	Midweek										2
08 Aug 2019	Midweek										
09 Aug 2019	Midweek										
10 Aug 2019	Weekend						1	5			
11 Aug 2019	Weekend										8
12 Aug 2019	Midweek									2	
13 Aug 2019	Midweek					3					
14 Aug 2019	Midweek										
15 Aug 2019	Midweek		15								
16 Aug 2019	Midweek										
17 Aug 2019	Weekend		30					9			
18 Aug 2019	Weekend				3						
19 Aug 2019	Midweek			1							
20 Aug 2019	Midweek										
21 Aug 2019	Midweek										
22 Aug 2019	Midweek										6
23 Aug 2019	Midweek										
24 Aug 2019	Weekend										
25 Aug 2019	Weekend							6			
26 Aug 2019	Midweek							6			
27 Aug 2019	Midweek										
28 Aug 2019	Midweek				8						
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										

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		0							
30-Jul-2019	Tuesday	choppy	4					13	1055	43
31-Jul-2019	Wednesday	calm/rippled	7	4	1					
01-Aug-2019	Thursday	calm/rippled	6					13	1057	44
02-Aug-2019	Friday	choppy	21	4	3					
03-Aug-2019	Saturday	choppy	4	1				38	1109	99
04-Aug-2019	Sunday	frequent whitecaps	4							
05-Aug-2019	Monday (B.C. Day)	calm/rippled	34	7	2			106	1051	287
06-Aug-2019	Tuesday		3	4						
07-Aug-2019	Wednesday	choppy	3	1	1			33	1109	116
08-Aug-2019	Thursday		0					21	1105	73
09-Aug-2019	Friday		0							
10-Aug-2019	Saturday	choppy	9	5	1			61	1107	157
11-Aug-2019	Sunday	frequent whitecaps	11	4	2					
12-Aug-2019	Monday	frequent whitecaps	3	2	1					
13-Aug-2019	Tuesday	choppy	5	3	2					
14-Aug-2019	Wednesday		1	2				26	1120	91
15-Aug-2019	Thursday	choppy	15	5	3					
16-Aug-2019	Friday		0							
17-Aug-2019	Saturday	choppy	39	4	1					
18-Aug-2019	Sunday	frequent whitecaps	4	1				17	1110	44
19-Aug-2019	Monday	choppy	1							
20-Aug-2019	Tuesday		0							
21-Aug-2019	Wednesday		0							
22-Aug-2019	Thursday	choppy	6	3				13	1108	46
23-Aug-2019	Friday		0							
24-Aug-2019	Saturday		1	1						
25-Aug-2019	Sunday	choppy	6	1						
26-Aug-2019	Monday	choppy	7	2	1					
27-Aug-2019	Tuesday		0							
28-Aug-2019	Wednesday	calm/rippled	8	1						
29-Aug-2019	Thursday	choppy	3	2						
30-Aug-2019	Friday	choppy	4					37	1110	130
31-Aug-2019	Saturday	calm/rippled	4	1						
01-Sep-2019	Sunday	calm/rippled	4	1				91	1210	216
02-Sep-2019	Monday (Labour Day)		0							
03-Sep-2019	Tuesday		1	1						
	Totals	choppy	86	29	11			24*		83*
	Totals	choppy	116	25	6			56*		147*

* 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	147	10	1470	0.2160	0.0520			318	76		
Midweek	83	21	1743	0.3370	0.1280			587	223		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	August	3060	639	531	203	
2015	August	2876	343	281		
2016	August	2960	905	426		
2017	August	5457	829	345		
2018	August	2872	456	1123	196	
2019	August	3261	735	380		0
5-Yr Avg	August	3445	634	541	200	

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	276	73%	9%	273	100%	9%	25
Chinook	253	34%	21%	414	21%	13%	54

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	202	3%
iRec Anglers	6818	21%
iRec Responses	143	3%

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

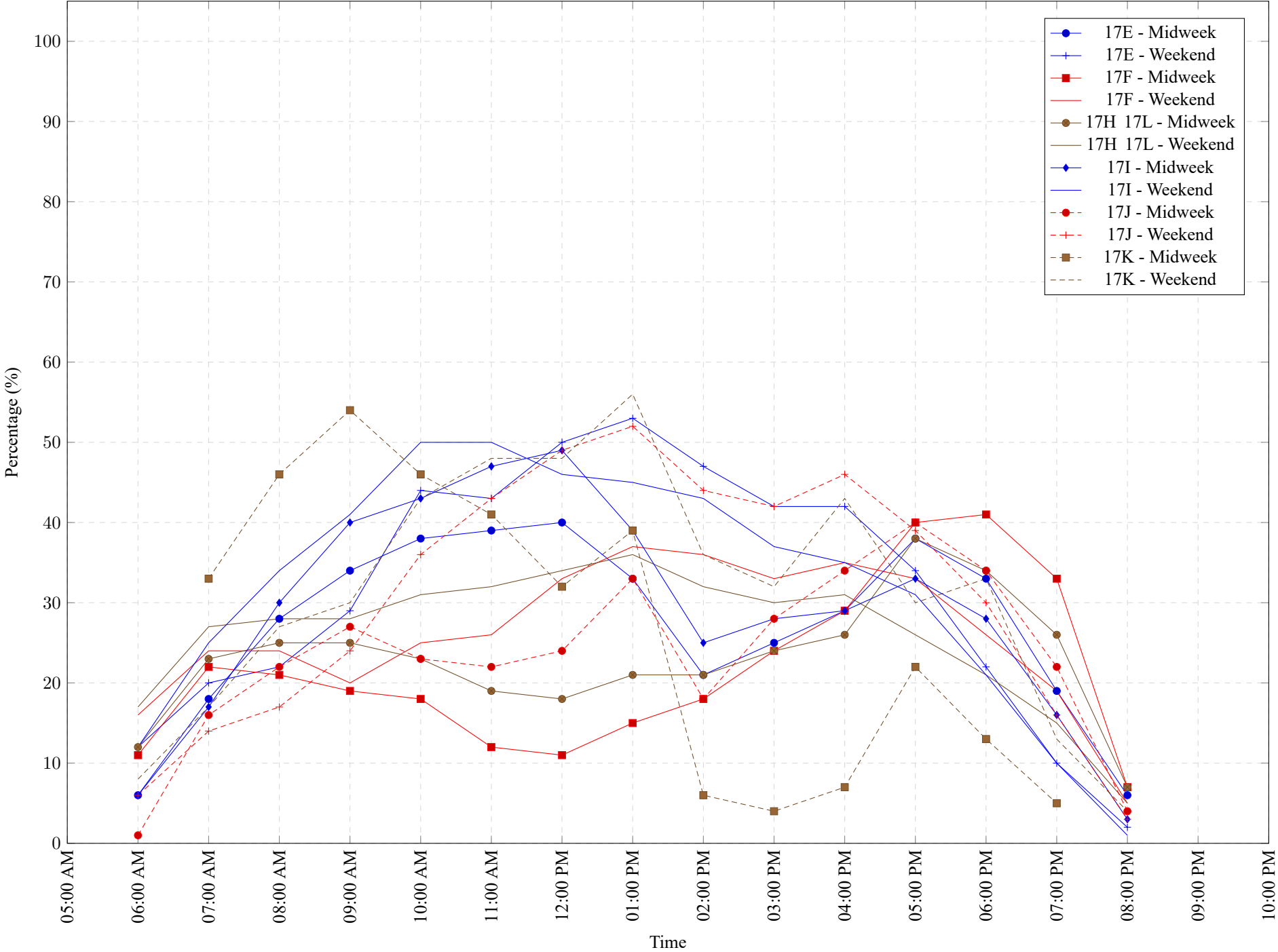


Table 7: Proportion of each day's fishing by hour.

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
17E	Midweek	6%	18%	28%	34%	38%	39%	40%	33%	21%	25%	29%	38%	33%	19%	6%	0%	0%
17E	Weekend	12%	20%	22%	29%	44%	43%	50%	53%	47%	42%	42%	34%	22%	10%	2%	0%	0%
17F	Midweek	11%	22%	21%	19%	18%	12%	11%	15%	18%	24%	29%	40%	41%	33%	7%	0%	0%
17F	Weekend	16%	24%	24%	20%	25%	26%	33%	37%	36%	33%	35%	33%	26%	19%	5%	0%	0%
17H 17L	Midweek	12%	23%	25%	25%	23%	19%	18%	21%	21%	24%	26%	38%	34%	26%	7%	0%	0%
17H 17L	Weekend	17%	27%	28%	28%	31%	32%	34%	36%	32%	30%	31%	26%	21%	15%	5%	0%	0%
17I	Midweek	6%	17%	30%	40%	43%	47%	49%	39%	25%	28%	29%	33%	28%	16%	3%	0%	0%
17I	Weekend	12%	25%	34%	41%	50%	50%	46%	45%	43%	37%	35%	31%	21%	10%	1%	0%	0%
17J	Midweek	1%	16%	22%	27%	23%	22%	24%	33%	18%	28%	34%	40%	34%	22%	4%	0%	0%
17J	Weekend	6%	14%	17%	24%	36%	43%	49%	52%	44%	42%	46%	39%	30%	16%	3%	0%	0%
17K	Midweek	0%	33%	46%	54%	46%	41%	32%	39%	6%	4%	7%	22%	13%	5%	0%	0%	0%
17K	Weekend	8%	17%	27%	30%	43%	48%	48%	56%	36%	32%	43%	30%	33%	13%	4%	0%	0%

Table 8: Daily Fishing Conditions.

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