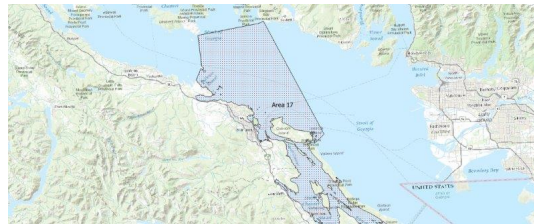


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 17 July 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		McDonald Beach		Planetarium	Schooner	
		AM	PM	PM	AM	PM	AM	PM	AM	PM	AM	PM	PM	AM	PM
28 Jun 2019	Midweek														
29 Jun 2019	Weekend									4		2			
30 Jun 2019	Weekend								3				1	1	
01 Jul 2019	Weekend														
02 Jul 2019	Midweek														
03 Jul 2019	Midweek														
04 Jul 2019	Midweek														
05 Jul 2019	Midweek														
06 Jul 2019	Weekend		16												1
07 Jul 2019	Weekend								4		1				2
08 Jul 2019	Midweek				1										
09 Jul 2019	Midweek						1								
10 Jul 2019	Midweek														
11 Jul 2019	Midweek														
12 Jul 2019	Midweek														
13 Jul 2019	Weekend					6			3						
14 Jul 2019	Weekend		15												
15 Jul 2019	Midweek	21													
16 Jul 2019	Midweek		27							13					
17 Jul 2019	Midweek	2							1						
18 Jul 2019	Midweek		16											5	
19 Jul 2019	Midweek	5													
20 Jul 2019	Weekend		22	1			1					5			
21 Jul 2019	Weekend	20							6						
22 Jul 2019	Midweek														
23 Jul 2019	Midweek														
24 Jul 2019	Midweek		11												
25 Jul 2019	Midweek	22										3			
26 Jul 2019	Midweek										1				6
27 Jul 2019	Weekend								13					5	
28 Jul 2019	Weekend	5													
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	

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-2019	Friday		1							
29-Jun-2019	Saturday	calm/rippled	9					43	1222	86
30-Jun-2019	Sunday	calm/rippled	5							
01-Jul-2019	Monday (Canada Day)		1							
02-Jul-2019	Tuesday		0							
03-Jul-2019	Wednesday		0							
04-Jul-2019	Thursday		0					27	1106	64
05-Jul-2019	Friday		0							
06-Jul-2019	Saturday	choppy	17		7			20	1113	41
07-Jul-2019	Sunday	choppy	8							
08-Jul-2019	Monday	calm/rippled	2							
09-Jul-2019	Tuesday	calm/rippled	2					20	1105	48
10-Jul-2019	Wednesday		0							
11-Jul-2019	Thursday		1							
12-Jul-2019	Friday		3							
13-Jul-2019	Saturday	choppy	11	1				56	1104	116
14-Jul-2019	Sunday	choppy	16		3			39	1111	81
15-Jul-2019	Monday	calm/rippled	24	25	3					
16-Jul-2019	Tuesday	calm/rippled	41	19	2					
17-Jul-2019	Wednesday	frequent whitecaps	4	1						
18-Jul-2019	Thursday	choppy	21	11	1			30	1106	73
19-Jul-2019	Friday	choppy	6	3				28	1057	61
20-Jul-2019	Saturday	choppy	30	13	2					
21-Jul-2019	Sunday	calm/rippled	28	23	3			138	1111	292
22-Jul-2019	Monday		3	12						
23-Jul-2019	Tuesday		1	1						
24-Jul-2019	Wednesday	choppy	13	5						
25-Jul-2019	Thursday	choppy	26	19	9			53	1102	120
26-Jul-2019	Friday	calm/rippled	7							
27-Jul-2019	Saturday	choppy	18	2	1					
28-Jul-2019	Sunday	frequent whitecaps	5	1	1			21	1100	44
29-Jul-2019	Monday		0							
30-Jul-2019	Tuesday	choppy	4					13	1055	27
31-Jul-2019	Wednesday	calm/rippled	7	4	1					
01-Aug-2019	Thursday	calm/rippled	6					13	1057	27
02-Aug-2019	Friday	choppy	21	4	3					
03-Aug-2019	Saturday	choppy	4	1				38	1109	80
	Totals	choppy	165	100	16			29*		66*
	Totals	choppy	134	40	17			55*		115*

* 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	115	9	1035	0.2990	0.1270			309	131		
Midweek	66	22	1452	0.6060	0.0970			880	141		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	July	4077	1020			
2015	July	2341	462			
2016	July	2340	452	548		
2017	July	2934	517	404		
2018	July	2876	842	666		
2019	July	2561	862	301		0
5-Yr Avg	July	2914	659	539		

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	273	91%	12%	429	100%	8%	34
Chinook	262	31%	40%	339	40%	31%	105

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	298	3%
iRec Anglers	4394	14%
iRec Responses	117	3%

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

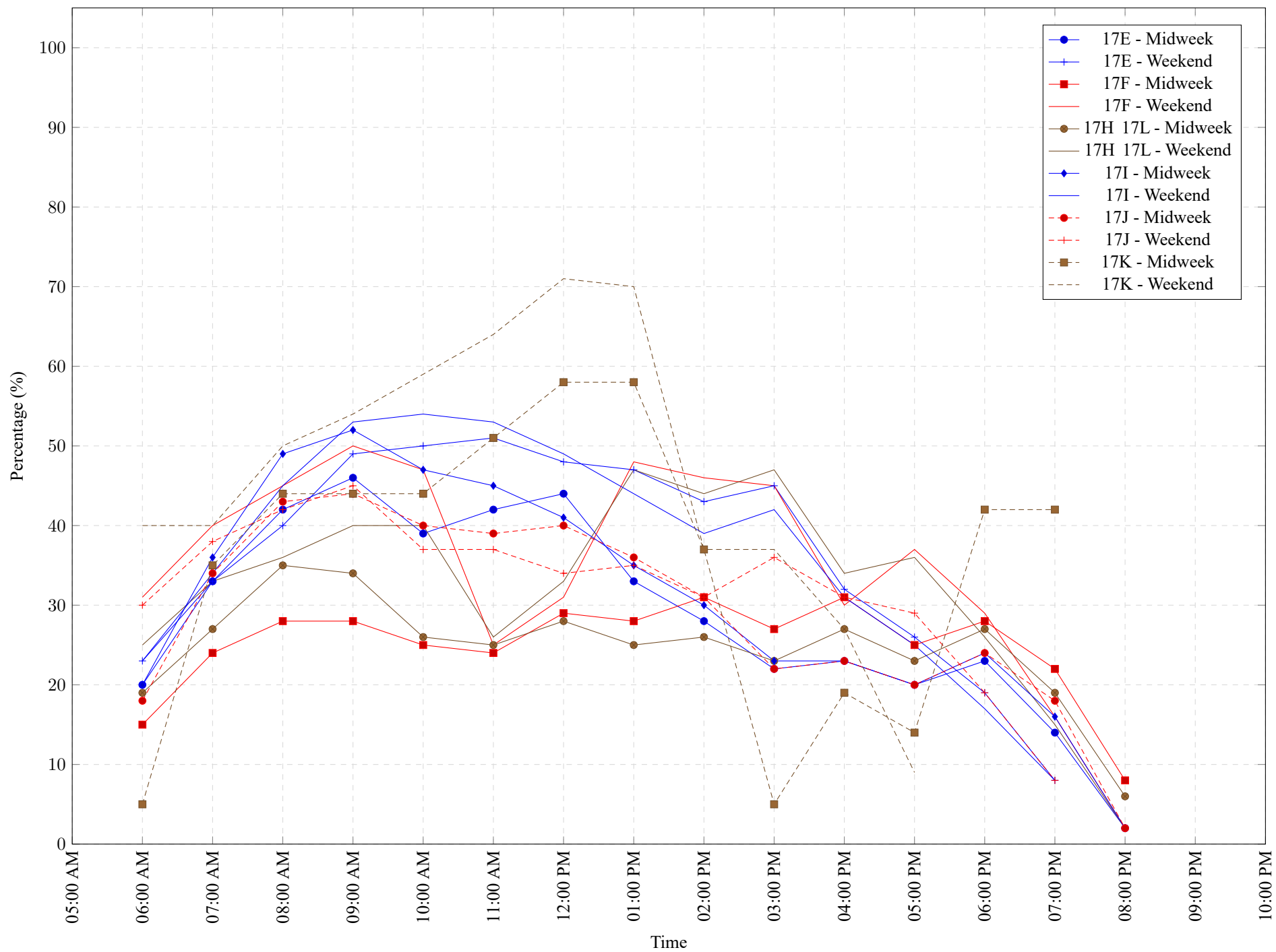


Table 7: Proportion of each day's fishing by hour.

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	20%	33%	42%	46%	39%	42%	44%	33%	28%	22%	23%	20%	23%	14%	2%	0%	0%
17E	Weekend	23%	33%	40%	49%	50%	51%	48%	47%	43%	45%	32%	26%	19%	8%	0%	0%	0%
17F	Midweek	15%	24%	28%	28%	25%	24%	29%	28%	31%	27%	31%	25%	28%	22%	8%	0%	0%
17F	Weekend	31%	40%	45%	50%	47%	25%	31%	48%	46%	45%	30%	37%	29%	16%	2%	0%	0%
17H 17L	Midweek	19%	27%	35%	34%	26%	25%	28%	25%	26%	23%	27%	23%	27%	19%	6%	0%	0%
17H 17L	Weekend	25%	33%	36%	40%	40%	26%	33%	47%	44%	47%	34%	36%	26%	15%	2%	0%	0%
17I	Midweek	20%	36%	49%	52%	47%	45%	41%	35%	30%	23%	23%	20%	24%	16%	2%	0%	0%
17I	Weekend	23%	34%	45%	53%	54%	53%	49%	44%	39%	42%	31%	25%	17%	8%	0%	0%	0%
17J	Midweek	18%	34%	43%	44%	40%	39%	40%	36%	31%	22%	23%	20%	24%	18%	2%	0%	0%
17J	Weekend	30%	38%	42%	45%	37%	37%	34%	35%	31%	36%	31%	29%	19%	8%	0%	0%	0%
17K	Midweek	5%	35%	44%	44%	44%	51%	58%	58%	37%	5%	19%	14%	42%	42%	0%	0%	0%
17K	Weekend	40%	40%	50%	54%	59%	64%	71%	70%	37%	37%	27%	9%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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