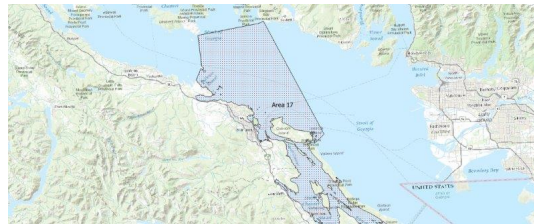


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 17 August 2020



Prepared By:
South Coast Salmon Stock Assessment Section

Wednesday 3rd February, 2021



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		Ladysmith		McDonald Beach		Planetarium	Schooner		Sewell's West	Sidney
		AM	PM	PM	AM	PM	AM	PM	AM	PM	PM	AM	PM	PM	PM
29 Jul 2020	Midweek					4									
30 Jul 2020	Midweek						5								
31 Jul 2020	Midweek		22									2			
01 Aug 2020	Weekend									8					
02 Aug 2020	Weekend														
03 Aug 2020	Weekend														
04 Aug 2020	Midweek							18				1			1
05 Aug 2020	Midweek		11				3		1						
06 Aug 2020	Midweek	1													
07 Aug 2020	Midweek		8							2					
08 Aug 2020	Weekend											5			
09 Aug 2020	Weekend		26												
10 Aug 2020	Midweek														
11 Aug 2020	Midweek											1			
12 Aug 2020	Midweek													1	
13 Aug 2020	Midweek														
14 Aug 2020	Midweek	16													
15 Aug 2020	Weekend		18												
16 Aug 2020	Weekend			1				9							
17 Aug 2020	Midweek						1								
18 Aug 2020	Midweek							3							
19 Aug 2020	Midweek														
20 Aug 2020	Midweek	1										1			
21 Aug 2020	Midweek		1												
22 Aug 2020	Weekend	31													
23 Aug 2020	Weekend					3						4			
24 Aug 2020	Midweek														
25 Aug 2020	Midweek					5									
26 Aug 2020	Midweek														
27 Aug 2020	Midweek				1						3				
28 Aug 2020	Midweek														
29 Aug 2020	Weekend		1												
30 Aug 2020	Weekend							17	1						
31 Aug 2020	Midweek														
01 Sep 2020	Midweek	11					1						7		
02 Sep 2020	Midweek		13			3									
03 Sep 2020	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-2020	Wednesday	calm/rippled	5	1						
30-Jul-2020	Thursday	calm/rippled	6	2						
31-Jul-2020	Friday	calm/rippled	25	2	2			49	1154	120
01-Aug-2020	Saturday		5	9				99	1140	244
02-Aug-2020	Sunday	choppy	9	4	1					
03-Aug-2020	Monday (B.C. Day)		1	3						
04-Aug-2020	Tuesday	choppy	20							
05-Aug-2020	Wednesday	choppy	16	5	8			38	1105	90
06-Aug-2020	Thursday	frequent whitecaps	1							
07-Aug-2020	Friday	choppy	12	1	3					
08-Aug-2020	Saturday	choppy	6	4	2					
09-Aug-2020	Sunday	choppy	26	5	3			28	1151	68
10-Aug-2020	Monday		1	10						
11-Aug-2020	Tuesday	choppy	1					21	1137	51
12-Aug-2020	Wednesday	choppy	2	4						
13-Aug-2020	Thursday		2	2						
14-Aug-2020	Friday	calm/rippled	18	4	2					
15-Aug-2020	Saturday	choppy	20	4				133	1143	326
16-Aug-2020	Sunday	choppy	14	1						
17-Aug-2020	Monday	calm/rippled	2							
18-Aug-2020	Tuesday	calm/rippled	5	1	1					
19-Aug-2020	Wednesday		1							
20-Aug-2020	Thursday	choppy	2	1				6	1027	13
21-Aug-2020	Friday	choppy	1							
22-Aug-2020	Saturday	calm/rippled	32	5	8			117	1137	286
23-Aug-2020	Sunday	choppy	7							
24-Aug-2020	Monday		0							
25-Aug-2020	Tuesday	choppy	5							
26-Aug-2020	Wednesday		0							
27-Aug-2020	Thursday	calm/rippled	6	1	2			18	1051	42
28-Aug-2020	Friday		1	1				73	1116	175
29-Aug-2020	Saturday	frequent whitecaps	1					4	1105	9
30-Aug-2020	Sunday	choppy	18							
31-Aug-2020	Monday		0							
01-Sep-2020	Tuesday	calm/rippled	19	8						
02-Sep-2020	Wednesday	calm/rippled	16	1						
03-Sep-2020	Thursday		1							
	Totals	choppy	96	30	16			31*		74*
	Totals	choppy	139	35	14			76*		187*

* 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	74	20	1480	0.3130	0.1670			463	247		
Weekend	187	11	2057	0.2520	0.1010			518	208		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2020	August	3428	538	648		0
5-Yr Avg	August	3485	654	511	196	0

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
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Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	225	5%
iRec Anglers	6789	12%

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

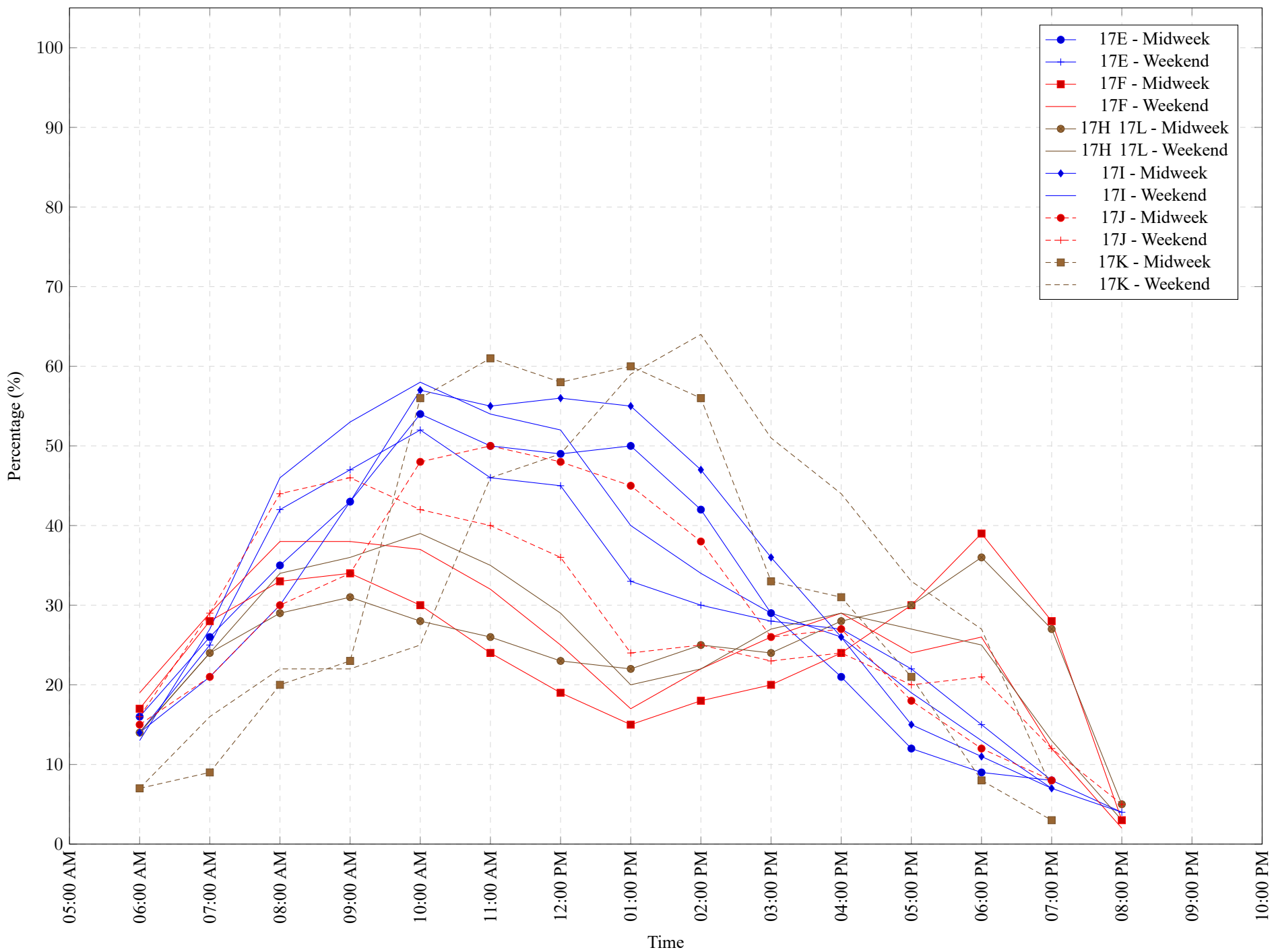


Table 7: Proportion of each day's fishing by hour.

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	16%	26%	35%	43%	54%	50%	49%	50%	42%	29%	21%	12%	9%	8%	0%	0%	0%
17E	Weekend	14%	25%	42%	47%	52%	46%	45%	33%	30%	28%	27%	22%	15%	8%	4%	0%	0%
17F	Midweek	17%	28%	33%	34%	30%	24%	19%	15%	18%	20%	24%	30%	39%	28%	3%	0%	0%
17F	Weekend	19%	29%	38%	38%	37%	32%	25%	17%	22%	26%	29%	24%	26%	12%	2%	0%	0%
17H 17L	Midweek	14%	24%	29%	31%	28%	26%	23%	22%	25%	24%	28%	30%	36%	27%	5%	0%	0%
17H 17L	Weekend	14%	24%	34%	36%	39%	35%	29%	20%	22%	27%	29%	27%	25%	13%	3%	0%	0%
17I	Midweek	14%	21%	30%	43%	57%	55%	56%	55%	47%	36%	26%	15%	11%	7%	0%	0%	0%
17I	Weekend	13%	27%	46%	53%	58%	54%	52%	40%	34%	29%	26%	19%	13%	7%	4%	0%	0%
17J	Midweek	15%	21%	30%	34%	48%	50%	48%	45%	38%	26%	27%	18%	12%	8%	0%	0%	0%
17J	Weekend	16%	29%	44%	46%	42%	40%	36%	24%	25%	23%	24%	20%	21%	12%	5%	0%	0%
17K	Midweek	7%	9%	20%	23%	56%	61%	58%	60%	56%	33%	31%	21%	8%	3%	0%	0%	0%
17K	Weekend	7%	16%	22%	22%	25%	46%	49%	59%	64%	51%	44%	33%	27%	7%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Brechin	Cowichan Bay	Crofton Ramp	Ladysmith	McDonald Beach	Planetarium	Schooner	Sewell's West	Sidney
29 Jul 2020	Midweek			calm/rippled						
30 Jul 2020	Midweek				calm/rippled					
31 Jul 2020	Midweek	calm/rippled						choppy		
01 Aug 2020	Weekend									
02 Aug 2020	Weekend					choppy				
03 Aug 2020	Weekend									
04 Aug 2020	Midweek				choppy			choppy		calm/rippled
05 Aug 2020	Midweek	choppy			choppy	choppy				
06 Aug 2020	Midweek	frequent whitecaps								
07 Aug 2020	Midweek	choppy				choppy				
08 Aug 2020	Weekend							choppy		
09 Aug 2020	Weekend	choppy								
10 Aug 2020	Midweek									
11 Aug 2020	Midweek							choppy		
12 Aug 2020	Midweek								choppy	
13 Aug 2020	Midweek									
14 Aug 2020	Midweek	calm/rippled								
15 Aug 2020	Weekend	choppy								
16 Aug 2020	Weekend		choppy		choppy					
17 Aug 2020	Midweek				calm/rippled					
18 Aug 2020	Midweek				calm/rippled					
19 Aug 2020	Midweek									
20 Aug 2020	Midweek	choppy						frequent whitecaps		
21 Aug 2020	Midweek	choppy								
22 Aug 2020	Weekend	calm/rippled								
23 Aug 2020	Weekend			choppy				choppy		
24 Aug 2020	Midweek									
25 Aug 2020	Midweek			choppy						
26 Aug 2020	Midweek									
27 Aug 2020	Midweek			calm/rippled			calm/rippled			
28 Aug 2020	Midweek									
29 Aug 2020	Weekend	frequent whitecaps								
30 Aug 2020	Weekend				choppy	choppy				
31 Aug 2020	Midweek									
01 Sep 2020	Midweek	calm/rippled			calm/rippled			calm/rippled		
02 Sep 2020	Midweek	choppy		calm/rippled						
03 Sep 2020	Midweek									