

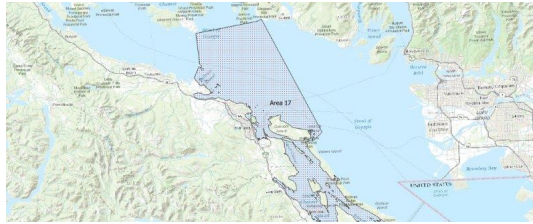
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 17 September 2020



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Tuesday 2<sup>nd</sup> February, 2021



Fisheries and Oceans  
Canada

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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		Schooner	
		AM	PM	AM	AM	PM	PM	AM	PM	AM	PM	AM	PM
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												
04 Sep 2020	Midweek								12				
05 Sep 2020	Weekend					10							
06 Sep 2020	Weekend	7											
07 Sep 2020	Weekend			2									
08 Sep 2020	Midweek		11										
09 Sep 2020	Midweek												
10 Sep 2020	Midweek												
11 Sep 2020	Midweek								9				
12 Sep 2020	Weekend												2
13 Sep 2020	Weekend	10							2		3		
14 Sep 2020	Midweek												
15 Sep 2020	Midweek												
16 Sep 2020	Midweek												
17 Sep 2020	Midweek		5										
18 Sep 2020	Midweek												
19 Sep 2020	Weekend		20						3				6
20 Sep 2020	Weekend					4							
21 Sep 2020	Midweek												
22 Sep 2020	Midweek							3				1	
23 Sep 2020	Midweek												
24 Sep 2020	Midweek	1											
25 Sep 2020	Midweek												
26 Sep 2020	Weekend						1					1	
27 Sep 2020	Weekend	7							5				
28 Sep 2020	Midweek												
29 Sep 2020	Midweek	4											
30 Sep 2020	Midweek								4				
01 Oct 2020	Midweek												
02 Oct 2020	Midweek												
03 Oct 2020	Weekend												

*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-2020	Saturday	frequent whitecaps choppy	1					4	1105	8
30-Aug-2020	Sunday		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							
04-Sep-2020	Friday	calm/rippled	12							
05-Sep-2020	Saturday	calm/rippled	11	4						
06-Sep-2020	Sunday	choppy	7	1				42	1316	97
07-Sep-2020	Monday (Labour Day)	choppy	2							
08-Sep-2020	Tuesday	choppy	12	2	1					
09-Sep-2020	Wednesday		1							
10-Sep-2020	Thursday		1					43	1343	95
11-Sep-2020	Friday	calm/rippled	9							
12-Sep-2020	Saturday	choppy	3							
13-Sep-2020	Sunday	calm/rippled	15	3						
14-Sep-2020	Monday		0							
15-Sep-2020	Tuesday		0							
16-Sep-2020	Wednesday		0							
17-Sep-2020	Thursday	choppy	5		1					
18-Sep-2020	Friday		0							
19-Sep-2020	Saturday	choppy	29	3	4			50	1337	115
20-Sep-2020	Sunday	choppy	5					39	1304	90
21-Sep-2020	Monday		0					12	1333	25
22-Sep-2020	Tuesday	choppy	4							
23-Sep-2020	Wednesday		0							
24-Sep-2020	Thursday	choppy	1							
25-Sep-2020	Friday		0					2	1328	4
26-Sep-2020	Saturday	choppy	2					12	1341	27
27-Sep-2020	Sunday	choppy	12							
28-Sep-2020	Monday		0							
29-Sep-2020	Tuesday	choppy	8							
30-Sep-2020	Wednesday	choppy	4							
01-Oct-2020	Thursday		0							
02-Oct-2020	Friday		0							
03-Oct-2020	Saturday		0							
	Totals	choppy	93	11	2			19*		41*
	Totals	choppy	86	11	4			36*		82*

\* 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	82	9	738	0.1280	0.0470			94	35		
Midweek	41	21	861	0.1180	0.0220			102	19		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2020	September	1668	243	71		0
5-Yr Avg	September	1422	413	143	0	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	175	2%
iRec Anglers	3543	8%

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

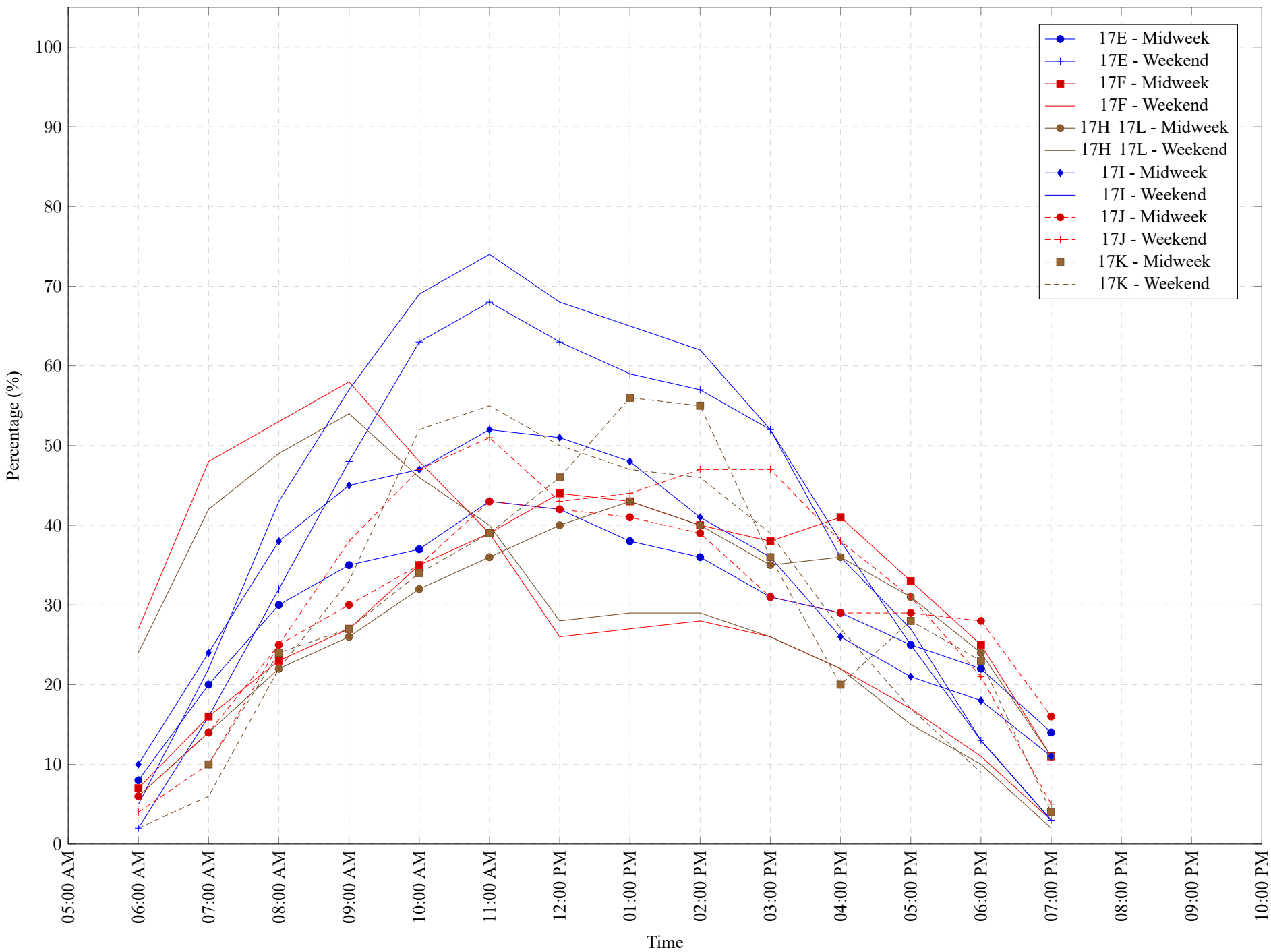


Table 7: Proportion of each day's fishing by hour.

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	8%	20%	30%	35%	37%	43%	42%	38%	36%	31%	29%	25%	22%	14%	0%	0%	0%
17E	Weekend	2%	16%	32%	48%	63%	68%	63%	59%	57%	52%	38%	25%	13%	3%	0%	0%	0%
17F	Midweek	7%	16%	23%	27%	35%	39%	44%	43%	40%	38%	41%	33%	25%	11%	0%	0%	0%
17F	Weekend	27%	48%	53%	58%	48%	39%	26%	27%	28%	26%	22%	17%	11%	3%	0%	0%	0%
17H 17L	Midweek	6%	14%	22%	26%	32%	36%	40%	43%	40%	35%	36%	31%	24%	11%	0%	0%	0%
17H 17L	Weekend	24%	42%	49%	54%	46%	40%	28%	29%	29%	26%	22%	15%	10%	2%	0%	0%	0%
17I	Midweek	10%	24%	38%	45%	47%	52%	51%	48%	41%	36%	26%	21%	18%	11%	0%	0%	0%
17I	Weekend	5%	22%	43%	57%	69%	74%	68%	65%	62%	52%	36%	27%	13%	3%	0%	0%	0%
17J	Midweek	6%	14%	25%	30%	35%	43%	42%	41%	39%	31%	29%	29%	28%	16%	0%	0%	0%
17J	Weekend	4%	10%	25%	38%	47%	51%	43%	44%	47%	47%	38%	31%	21%	5%	0%	0%	0%
17K	Midweek	0%	10%	24%	27%	34%	39%	46%	56%	55%	36%	20%	28%	23%	4%	0%	0%	0%
17K	Weekend	2%	6%	22%	33%	52%	55%	50%	47%	46%	39%	27%	17%	9%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	Brechin	Cowichan Bay	Crofton Ramp	French Ck	Ladysmith	McDonald Beach	Schooner
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							
04 Sep 2020	Midweek					calm/rippled		
05 Sep 2020	Weekend			calm/rippled				
06 Sep 2020	Weekend	choppy						
07 Sep 2020	Weekend		choppy					
08 Sep 2020	Midweek	choppy						
09 Sep 2020	Midweek							
10 Sep 2020	Midweek							
11 Sep 2020	Midweek					calm/rippled		
12 Sep 2020	Weekend							choppy
13 Sep 2020	Weekend	calm/rippled				choppy	calm/rippled	
14 Sep 2020	Midweek							
15 Sep 2020	Midweek							
16 Sep 2020	Midweek							
17 Sep 2020	Midweek	choppy						
18 Sep 2020	Midweek							
19 Sep 2020	Weekend	choppy				calm/rippled		choppy
20 Sep 2020	Weekend			choppy				
21 Sep 2020	Midweek							
22 Sep 2020	Midweek					choppy		choppy
23 Sep 2020	Midweek							
24 Sep 2020	Midweek	choppy						
25 Sep 2020	Midweek							
26 Sep 2020	Weekend				choppy			choppy
27 Sep 2020	Weekend	choppy				calm/rippled		
28 Sep 2020	Midweek							
29 Sep 2020	Midweek	choppy						
30 Sep 2020	Midweek					choppy		
01 Oct 2020	Midweek							
02 Oct 2020	Midweek							
03 Oct 2020	Weekend							