

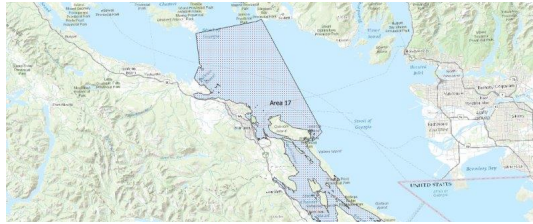
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 17 July 2021



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Thursday 10<sup>th</sup> February, 2022



Fisheries and Oceans  
Canada

Pêches et Océans  
Canada



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

		Brechin		Cowichan Bay	Crofton Ramp		French Ck	Ladysmith		McDonald Beach		Mill Bay	Planetarium	Schooner		Sewell's East	Sewell's West	Sidney	Thunderbird Marina
Date	Day Type	AM	PM	PM	AM	PM	PM	AM	PM	AM	PM	AM	PM	AM	PM	PM	AM	PM	PM
28 Jun 2021	Midweek																		
29 Jun 2021	Midweek								2										
30 Jun 2021	Midweek																		
01 Jul 2021	Weekend							1											
02 Jul 2021	Midweek													5					
03 Jul 2021	Weekend																		
04 Jul 2021	Weekend							6											
05 Jul 2021	Midweek													2					
06 Jul 2021	Midweek																		
07 Jul 2021	Midweek																		
08 Jul 2021	Midweek	3																	
09 Jul 2021	Midweek												1						
10 Jul 2021	Weekend																		
11 Jul 2021	Weekend			1															
12 Jul 2021	Midweek									1									
13 Jul 2021	Midweek					9													
14 Jul 2021	Midweek				2														
15 Jul 2021	Midweek															1			
16 Jul 2021	Midweek				8														
17 Jul 2021	Weekend								3					12	1				
18 Jul 2021	Weekend							13		10									
19 Jul 2021	Midweek								1										
20 Jul 2021	Midweek		6																
21 Jul 2021	Midweek																		
22 Jul 2021	Midweek							9		2				1					
23 Jul 2021	Midweek												3						
24 Jul 2021	Weekend	13																	1
25 Jul 2021	Weekend		27										1		31			1	
26 Jul 2021	Midweek								1						13			1	
27 Jul 2021	Midweek						1												
28 Jul 2021	Midweek								1										1
29 Jul 2021	Midweek																		
30 Jul 2021	Midweek									1									
31 Jul 2021	Weekend							3		1									
01 Aug 2021	Weekend										1				32				
02 Aug 2021	Weekend																		
03 Aug 2021	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
28-Jun-2021	Monday		0							
29-Jun-2021	Tuesday	choppy	3		1					
30-Jun-2021	Wednesday		0							
01-Jul-2021	Thursday (Canada Day)	choppy	2							
02-Jul-2021	Friday	choppy	5					10	1111	23
03-Jul-2021	Saturday		0					9	1109	21
04-Jul-2021	Sunday	choppy	6					9	1110	24
05-Jul-2021	Monday	choppy	3							
06-Jul-2021	Tuesday		1					9	1055	21
07-Jul-2021	Wednesday		0							
08-Jul-2021	Thursday	calm/rippled	4		1			19	1208	45
09-Jul-2021	Friday	calm/rippled	3							
10-Jul-2021	Saturday		0							
11-Jul-2021	Sunday	frequent whitecaps	1					17	1153	39
12-Jul-2021	Monday	choppy	1							
13-Jul-2021	Tuesday	choppy	10							
14-Jul-2021	Wednesday	calm/rippled	2							
15-Jul-2021	Thursday	choppy	3	4				37	1148	81
16-Jul-2021	Friday	choppy	8	2						
17-Jul-2021	Saturday	choppy	22	27	2			100	1134	228
18-Jul-2021	Sunday	calm/rippled	29	13				174	1132	398
19-Jul-2021	Monday	calm/rippled	6	14						
20-Jul-2021	Tuesday	frequent whitecaps	9	10						
21-Jul-2021	Wednesday		3	6				43	1221	106
22-Jul-2021	Thursday	calm/rippled	12	2						
23-Jul-2021	Friday	calm/rippled	6	4	1					
24-Jul-2021	Saturday	choppy	15	8						
25-Jul-2021	Sunday	choppy	60	18				71	1153	161
26-Jul-2021	Monday	choppy	17	13						
27-Jul-2021	Tuesday	choppy	1	1						
28-Jul-2021	Wednesday	calm/rippled	5	12				39	1155	86
29-Jul-2021	Thursday		3	7						
30-Jul-2021	Friday	choppy	1							
31-Jul-2021	Saturday	choppy	4							
01-Aug-2021	Sunday	choppy	33	11	4					
02-Aug-2021	Monday (B.C. Day)		2	1						
03-Aug-2021	Tuesday		0					12	1008	31
	Totals	choppy	103	75	2			26*		60*
	Totals	choppy	139	66	2			63*		145*

\* 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	60	21	1260	0.728	0.019			917	24		
Weekend	145	10	1450	0.475	0.014			689	20		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	July	2340	452	548		
2017	July	2934	517	404		
2018	July	2876	842	666		
2019	July	2561	862	301		0
2020	July	3026	612	437		0
2021	July	2732	1422	45		0
5-Yr Avg	July	2747	657	471		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
Coho	43	96%	14%	206	99%	3%	6
Chinook	313	27%	25%	456	30%	17%	79

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	236	5%
iRec Anglers	7959	11%

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

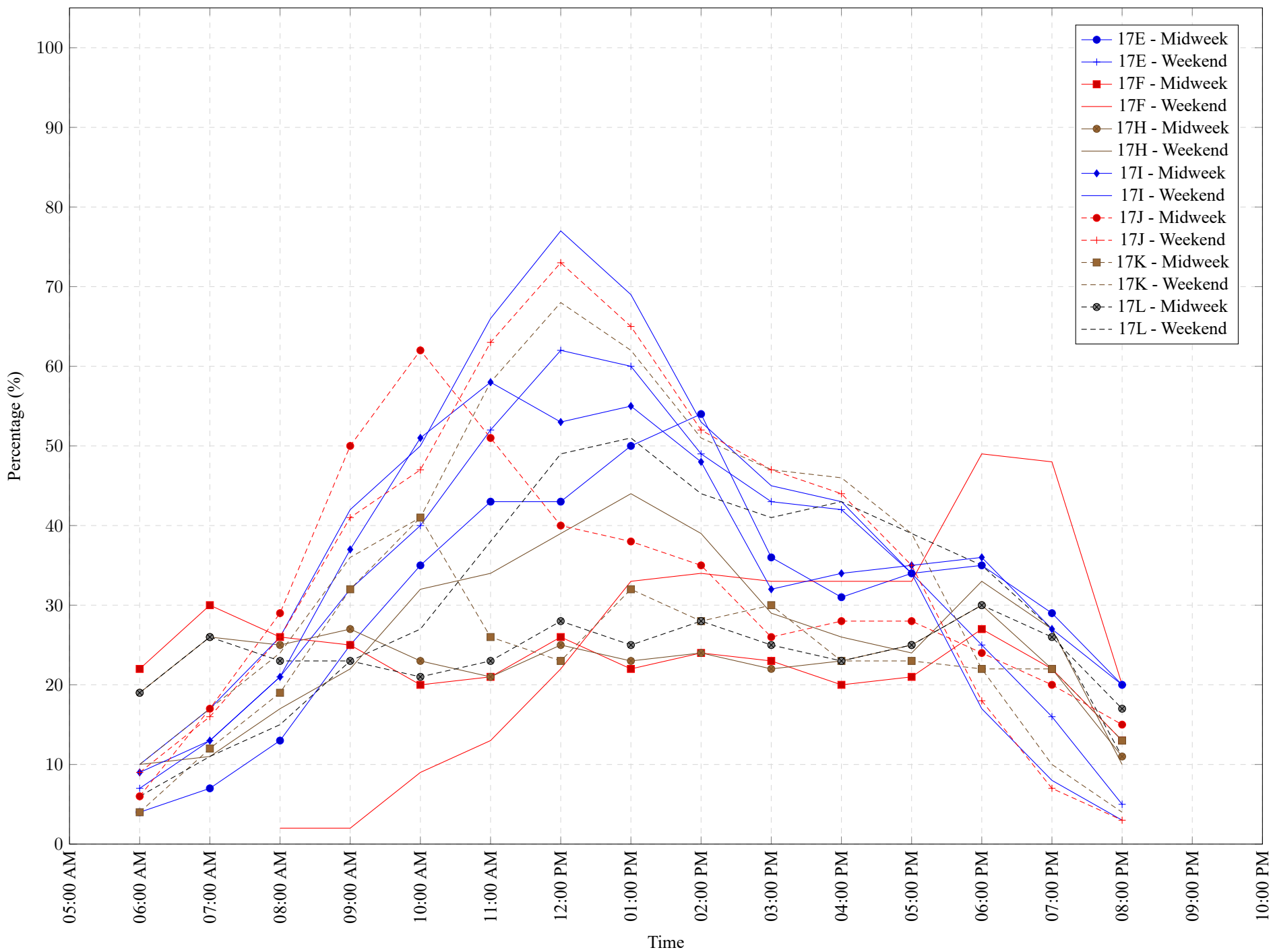


Table 7: Proportion of each day's fishing by hour.

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	4%	7%	13%	25%	35%	43%	43%	50%	54%	36%	31%	34%	35%	29%	20%	0%	0%
17E	Weekend	7%	13%	21%	32%	40%	52%	62%	60%	49%	43%	42%	34%	25%	16%	5%	0%	0%
17F	Midweek	22%	30%	26%	25%	20%	21%	26%	22%	24%	23%	20%	21%	27%	22%	13%	0%	0%
17F	Weekend	0%	0%	2%	2%	9%	13%	22%	33%	34%	33%	33%	33%	49%	48%	20%	0%	0%
17H	Midweek	19%	26%	25%	27%	23%	21%	25%	23%	24%	22%	23%	25%	30%	22%	11%	0%	0%
17H	Weekend	10%	11%	17%	22%	32%	34%	39%	44%	39%	29%	26%	24%	33%	27%	10%	0%	0%
17I	Midweek	9%	13%	21%	37%	51%	58%	53%	55%	48%	32%	34%	35%	36%	27%	20%	0%	0%
17I	Weekend	10%	17%	26%	42%	50%	66%	77%	69%	53%	45%	43%	34%	17%	8%	3%	0%	0%
17J	Midweek	6%	17%	29%	50%	62%	51%	40%	38%	35%	26%	28%	28%	24%	20%	15%	0%	0%
17J	Weekend	9%	16%	26%	41%	47%	63%	73%	65%	52%	47%	44%	35%	18%	7%	3%	0%	0%
17K	Midweek	4%	12%	19%	32%	41%	26%	23%	32%	28%	30%	23%	23%	22%	22%	13%	0%	0%
17K	Weekend	10%	17%	24%	36%	41%	58%	68%	62%	51%	47%	46%	39%	22%	10%	4%	0%	0%
17L	Midweek	19%	26%	23%	23%	21%	23%	28%	25%	28%	25%	23%	25%	30%	26%	17%	0%	0%
17L	Weekend	6%	11%	15%	23%	27%	38%	49%	51%	44%	41%	43%	39%	35%	27%	11%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	Brechin	Cowichan Bay	Crofton Ramp	French Ck	Ladysmith	McDonald Beach	Mill Bay	Planetarium	Schooner	Sewell's East	Sewell's West	Sidney	Thunderbird Marina
28 Jun 2021	Midweek													
29 Jun 2021	Midweek					choppy								
30 Jun 2021	Midweek													
01 Jul 2021	Weekend					choppy								
02 Jul 2021	Midweek									choppy				
03 Jul 2021	Weekend													
04 Jul 2021	Weekend					choppy								
05 Jul 2021	Midweek									choppy				
06 Jul 2021	Midweek													
07 Jul 2021	Midweek													
08 Jul 2021	Midweek	calm/rippled												
09 Jul 2021	Midweek								calm/rippled					
10 Jul 2021	Weekend													
11 Jul 2021	Weekend		frequent whitecaps											
12 Jul 2021	Midweek						choppy							
13 Jul 2021	Midweek			choppy										
14 Jul 2021	Midweek			calm/rippled										
15 Jul 2021	Midweek											choppy		
16 Jul 2021	Midweek			choppy										
17 Jul 2021	Weekend						choppy			choppy	choppy			
18 Jul 2021	Weekend					calm/rippled	calm/rippled							
19 Jul 2021	Midweek						calm/rippled							
20 Jul 2021	Midweek	frequent whitecaps												
21 Jul 2021	Midweek													
22 Jul 2021	Midweek					calm/rippled	calm/rippled			choppy				
23 Jul 2021	Midweek								calm/rippled					
24 Jul 2021	Weekend	choppy												choppy
25 Jul 2021	Weekend	choppy							choppy	choppy				
26 Jul 2021	Midweek					choppy				choppy			calm/rippled	
27 Jul 2021	Midweek				choppy									
28 Jul 2021	Midweek						calm/rippled							calm/rippled
29 Jul 2021	Midweek													
30 Jul 2021	Midweek						choppy							
31 Jul 2021	Weekend					choppy	calm/rippled							
01 Aug 2021	Weekend							calm/rippled		choppy				
02 Aug 2021	Weekend													
03 Aug 2021	Midweek													