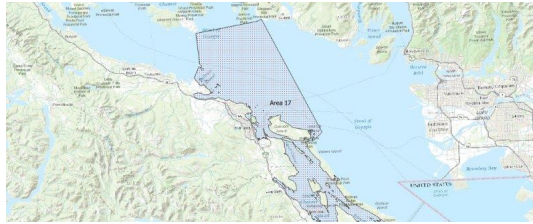


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 17 May 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 5th 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	Schooner		Thunderbird Marina
Date	Day Type	PM	PM	AM	PM	PM	AM	PM	PM	AM	PM	AM
28 Apr 2021	Midweek				7							
29 Apr 2021	Midweek										5	
30 Apr 2021	Midweek											
01 May 2021	Weekend							16	4			
02 May 2021	Weekend											
03 May 2021	Midweek	1										
04 May 2021	Midweek							6			10	
05 May 2021	Midweek				7							
06 May 2021	Midweek						1					
07 May 2021	Midweek											
08 May 2021	Weekend	14					14			2		
09 May 2021	Weekend				15						12	
10 May 2021	Midweek			9							1	
11 May 2021	Midweek	7	2									
12 May 2021	Midweek						2	5				
13 May 2021	Midweek								1			
14 May 2021	Midweek											
15 May 2021	Weekend											
16 May 2021	Weekend		1									
17 May 2021	Midweek				3					4		
18 May 2021	Midweek											
19 May 2021	Midweek	2										
20 May 2021	Midweek											
21 May 2021	Midweek					2						
22 May 2021	Weekend				18							
23 May 2021	Weekend	11					8					
24 May 2021	Weekend											
25 May 2021	Midweek											
26 May 2021	Midweek											
27 May 2021	Midweek											
28 May 2021	Midweek			1								
29 May 2021	Weekend			1				12				
30 May 2021	Weekend	21										2
31 May 2021	Midweek							1				
01 Jun 2021	Midweek	11										
02 Jun 2021	Midweek											
03 Jun 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-Apr-2021	Wednesday	calm/rippled	7							
29-Apr-2021	Thursday	choppy	5							
30-Apr-2021	Friday		0							
01-May-2021	Saturday	choppy	21					30	1213	62
02-May-2021	Sunday		4							
03-May-2021	Monday	choppy	1							
04-May-2021	Tuesday	choppy	17							
05-May-2021	Wednesday	calm/rippled	7	6				52	1219	136
06-May-2021	Thursday	choppy	1							
07-May-2021	Friday		2							
08-May-2021	Saturday	calm/rippled	30							
09-May-2021	Sunday	calm/rippled	27					35	1227	69
10-May-2021	Monday	calm/rippled	10							
11-May-2021	Tuesday	choppy	10							
12-May-2021	Wednesday	choppy	7							
13-May-2021	Thursday	choppy	1					15	1154	36
14-May-2021	Friday		0							
15-May-2021	Saturday		0							
16-May-2021	Sunday	choppy	1					35	1203	79
17-May-2021	Monday	choppy	7							
18-May-2021	Tuesday		0							
19-May-2021	Wednesday	choppy	2							
20-May-2021	Thursday		0					6	1207	16
21-May-2021	Friday	calm/rippled	2					32	1213	83
22-May-2021	Saturday	calm/rippled	18							
23-May-2021	Sunday	choppy	20							
24-May-2021	Monday (Victoria Day)		0							
25-May-2021	Tuesday		1							
26-May-2021	Wednesday		0							
27-May-2021	Thursday		0							
28-May-2021	Friday	calm/rippled	1							
29-May-2021	Saturday	choppy	13							
30-May-2021	Sunday	calm/rippled	23							
31-May-2021	Monday	choppy	1							
01-Jun-2021	Tuesday	choppy	12					15	1237	40
02-Jun-2021	Wednesday		1							
03-Jun-2021	Thursday		1							
	Totals	choppy	70	6				26*		68*
	Totals	choppy	157					33*		70*

* 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	68	20	1360	0.086				117			
Weekend	70	11	770								

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	May	4634	3143			
2017	May	3093	1485			
2018	May	3935	5014	27		
2019	May	1009	0	0		0
2020	May	1352				
2021	May	2272	0	0		0
5-Yr Avg	May	2805	2411	14		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	227	1%
iRec Anglers	1840	7%

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

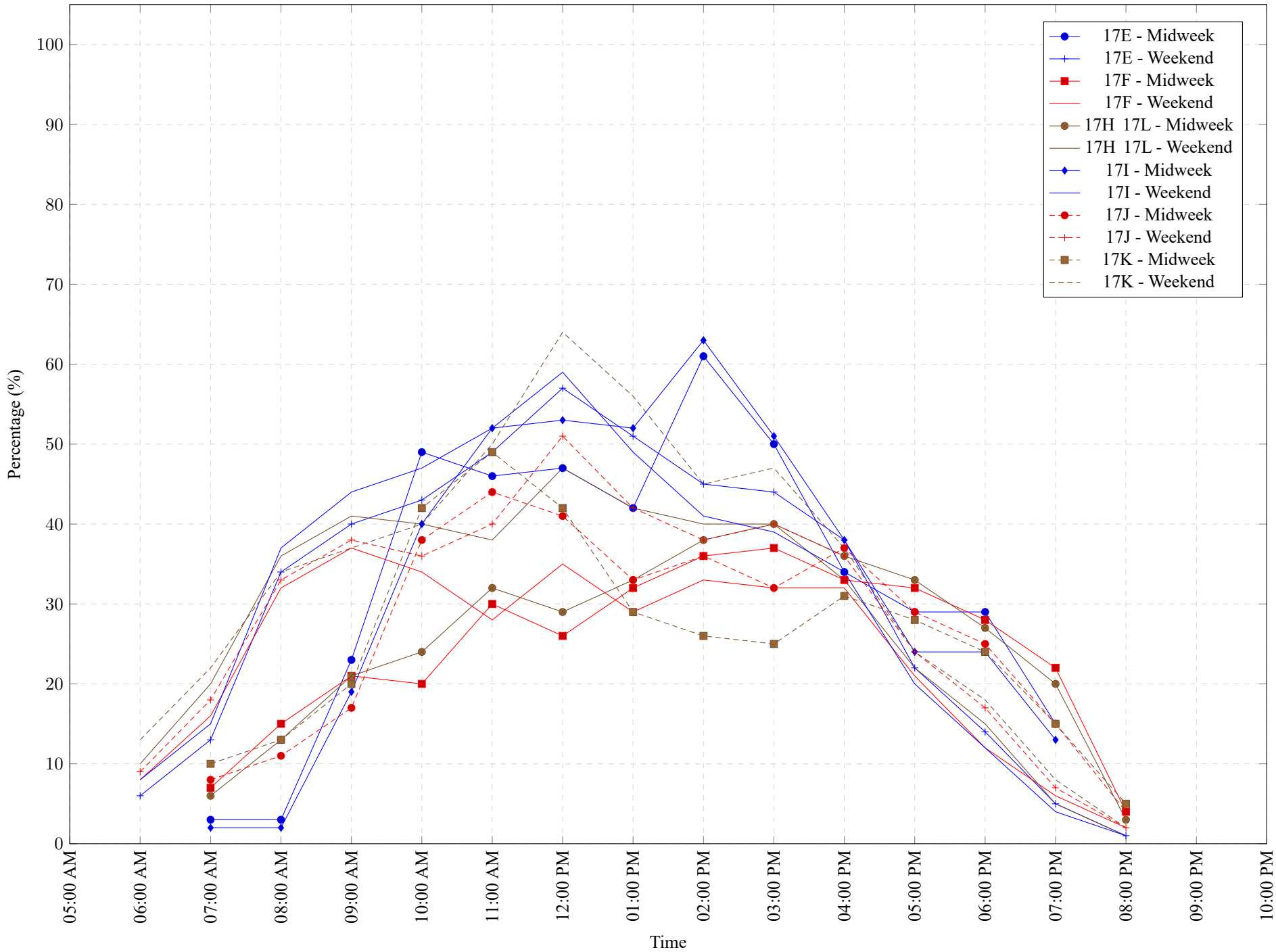


Table 7: Proportion of each day's fishing by hour.

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	0%	3%	3%	23%	49%	46%	47%	42%	61%	50%	34%	29%	29%	15%	0%	0%	0%
17E	Weekend	6%	13%	34%	40%	43%	49%	57%	51%	45%	44%	38%	22%	14%	5%	1%	0%	0%
17F	Midweek	0%	7%	15%	21%	20%	30%	26%	32%	36%	37%	33%	32%	28%	22%	4%	0%	0%
17F	Weekend	8%	16%	32%	37%	34%	28%	35%	29%	33%	32%	32%	21%	12%	6%	2%	0%	0%
17H 17L	Midweek	0%	6%	13%	21%	24%	32%	29%	33%	38%	40%	36%	33%	27%	20%	3%	0%	0%
17H 17L	Weekend	10%	20%	36%	41%	40%	38%	47%	42%	40%	40%	33%	22%	15%	5%	1%	0%	0%
17I	Midweek	0%	2%	2%	19%	40%	52%	53%	52%	63%	51%	38%	24%	24%	13%	0%	0%	0%
17I	Weekend	8%	15%	37%	44%	47%	52%	59%	49%	41%	39%	34%	20%	12%	4%	1%	0%	0%
17J	Midweek	0%	8%	11%	17%	38%	44%	41%	33%	36%	32%	37%	29%	25%	15%	4%	0%	0%
17J	Weekend	9%	18%	33%	38%	36%	40%	51%	42%	38%	40%	36%	24%	17%	7%	2%	0%	0%
17K	Midweek	0%	10%	13%	20%	42%	49%	42%	29%	26%	25%	31%	28%	24%	15%	5%	0%	0%
17K	Weekend	13%	22%	34%	37%	40%	50%	64%	56%	45%	47%	37%	24%	18%	8%	2%	0%	0%

Table 8: Daily Fishing Conditions.

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