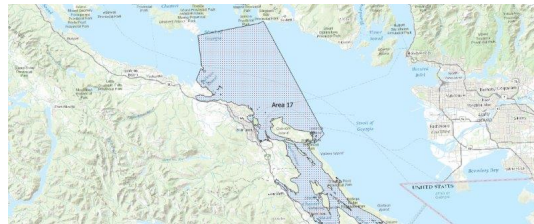


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 17 August 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 10th 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.

Date	Day Type	Brechin		Cowichan Bay PM	Crofton Ramp		French Ck		Ladysmith		McDonald Beach		Mill Bay	Schooner		Sewell's East PM	Sidney PM
		AM	PM		AM	PM	AM	PM	AM	PM	AM	PM	AM	AM	PM		
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																
04 Aug 2021	Midweek									1							
05 Aug 2021	Midweek								1								
06 Aug 2021	Midweek																
07 Aug 2021	Weekend			1													
08 Aug 2021	Weekend								5			1					
09 Aug 2021	Midweek																
10 Aug 2021	Midweek		3														
11 Aug 2021	Midweek																
12 Aug 2021	Midweek																
13 Aug 2021	Midweek																1
14 Aug 2021	Weekend					10					3			2		1	
15 Aug 2021	Weekend					7											
16 Aug 2021	Midweek																
17 Aug 2021	Midweek																
18 Aug 2021	Midweek																
19 Aug 2021	Midweek																
20 Aug 2021	Midweek		7														
21 Aug 2021	Weekend							1		2							
22 Aug 2021	Weekend		29														
23 Aug 2021	Midweek			1													
24 Aug 2021	Midweek																
25 Aug 2021	Midweek						2										
26 Aug 2021	Midweek											1					
27 Aug 2021	Midweek																
28 Aug 2021	Weekend	14												20		1	
29 Aug 2021	Weekend																
30 Aug 2021	Midweek																
31 Aug 2021	Midweek																
01 Sep 2021	Midweek																
02 Sep 2021	Midweek																
03 Sep 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
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	26
04-Aug-2021	Wednesday	choppy	1							
05-Aug-2021	Thursday	choppy	4	6				43	1022	94
06-Aug-2021	Friday		3	4						
07-Aug-2021	Saturday	choppy	1					17	1016	45
08-Aug-2021	Sunday	choppy	6					28	1047	72
09-Aug-2021	Monday		0					7	1103	18
10-Aug-2021	Tuesday	choppy	3							
11-Aug-2021	Wednesday		0							
12-Aug-2021	Thursday		0							
13-Aug-2021	Friday	calm/rippled	1							
14-Aug-2021	Saturday	choppy	17	6				92	1056	233
15-Aug-2021	Sunday	choppy	8	5						
16-Aug-2021	Monday		2	5				24	1014	51
17-Aug-2021	Tuesday		0							
18-Aug-2021	Wednesday		0					15	0930	32
19-Aug-2021	Thursday		0							
20-Aug-2021	Friday	choppy	7	1	1					
21-Aug-2021	Saturday	choppy	4							
22-Aug-2021	Sunday	frequent whitecaps	29	11				14	1036	37
23-Aug-2021	Monday	choppy	4	3						
24-Aug-2021	Tuesday		1	2				16	1034	35
25-Aug-2021	Wednesday	calm/rippled	2	1						
26-Aug-2021	Thursday	choppy	1							
27-Aug-2021	Friday		0							
28-Aug-2021	Saturday	choppy	37	16	1			116	0953	339
29-Aug-2021	Sunday		0							
30-Aug-2021	Monday		0					29	1044	62
31-Aug-2021	Tuesday		0							
01-Sep-2021	Wednesday		3	4						
02-Sep-2021	Thursday		0							
03-Sep-2021	Friday		2	7						
	Totals	choppy	29	22	1			21*		45*
	Totals	choppy	137	50	5			53*		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	45	21	945	0.759	0.034			717	32		
Weekend	145	10	1450	0.365	0.036			529	52		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2021	August	2281	735	176		0
5-Yr Avg	August	3596	693	584	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
Coho	167	95%	7%	63	33%	19%	12
Chinook	100	14%	51%	86	11%	59%	51

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	166	5%
iRec Anglers	5372	18%

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

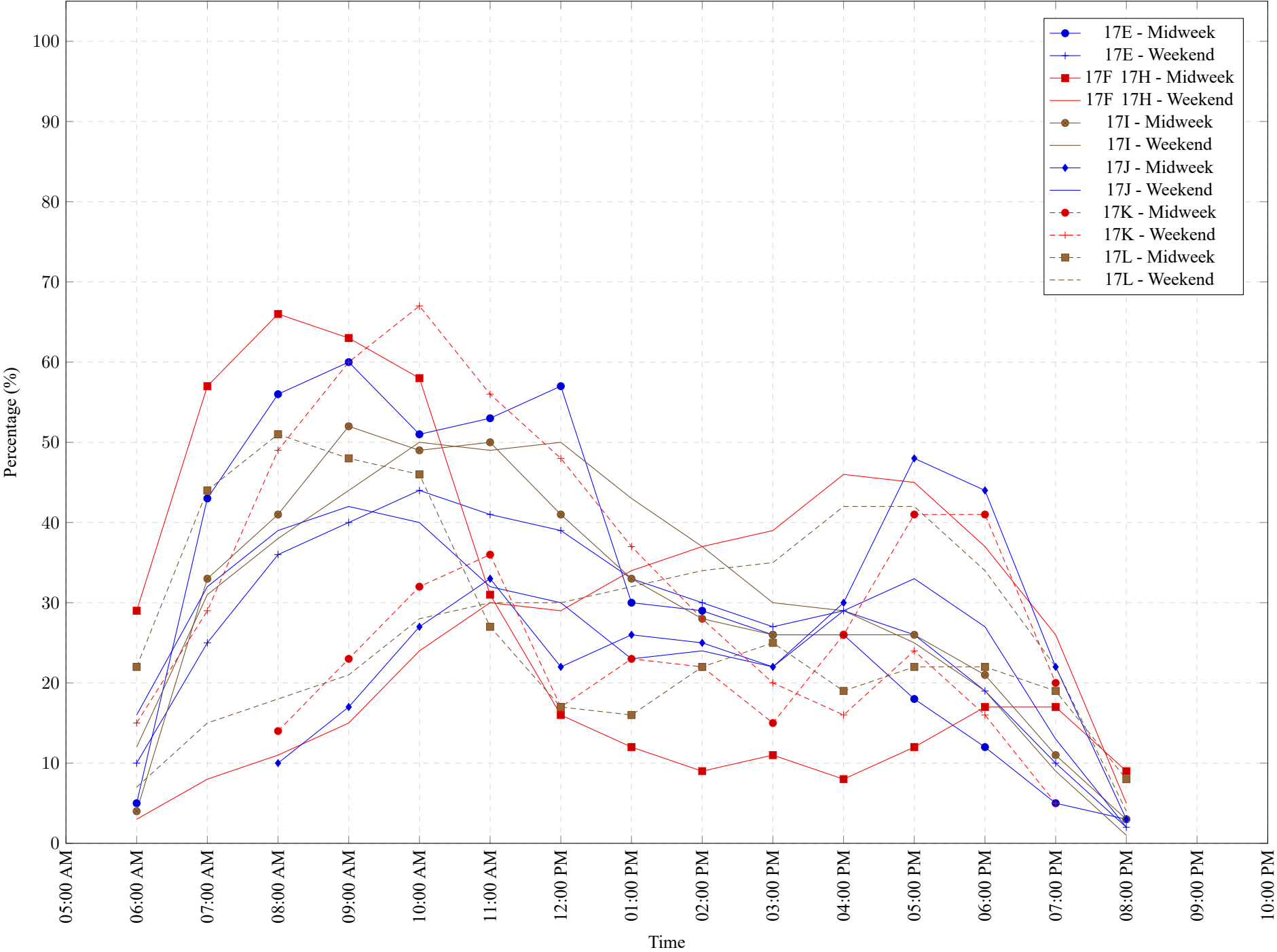


Table 7: Proportion of each day's fishing by hour.

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	5%	43%	56%	60%	51%	53%	57%	30%	29%	26%	26%	18%	12%	5%	3%	0%	0%
17E	Weekend	10%	25%	36%	40%	44%	41%	39%	33%	30%	27%	29%	26%	19%	10%	2%	0%	0%
17F 17H	Midweek	29%	57%	66%	63%	58%	31%	16%	12%	9%	11%	8%	12%	17%	17%	9%	0%	0%
17F 17H	Weekend	3%	8%	11%	15%	24%	30%	29%	34%	37%	39%	46%	45%	37%	26%	5%	0%	0%
17I	Midweek	4%	33%	41%	52%	49%	50%	41%	33%	28%	26%	26%	26%	21%	11%	3%	0%	0%
17I	Weekend	12%	31%	38%	44%	50%	49%	50%	43%	37%	30%	29%	25%	19%	9%	1%	0%	0%
17J	Midweek	0%	0%	10%	17%	27%	33%	22%	26%	25%	22%	30%	48%	44%	22%	3%	0%	0%
17J	Weekend	16%	32%	39%	42%	40%	32%	30%	23%	24%	22%	29%	33%	27%	13%	2%	0%	0%
17K	Midweek	0%	0%	14%	23%	32%	36%	17%	23%	22%	15%	26%	41%	41%	20%	0%	0%	0%
17K	Weekend	15%	29%	49%	60%	67%	56%	48%	37%	28%	20%	16%	24%	16%	5%	0%	0%	0%
17L	Midweek	22%	44%	51%	48%	46%	27%	17%	16%	22%	25%	19%	22%	22%	19%	8%	0%	0%
17L	Weekend	7%	15%	18%	21%	28%	30%	30%	32%	34%	35%	42%	42%	34%	22%	4%	0%	0%

Table 8: Daily Fishing Conditions.

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