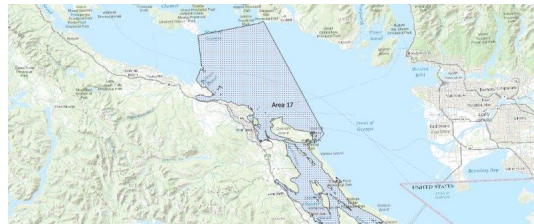


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 17 July 2022



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

		Breachin		Cowichan Bay	Crofton Ramp		French Ck	Ladysmith		McDonald Beach	Mill Bay		Planetarium	Schooner		Sewell's East	Sidney	Thunderbird Marina
Date	Day Type	AM	PM	PM	AM	PM	PM	AM	PM	PM	AM	PM	PM	AM	PM	PM	PM	AM
28 Jun 2022	Midweek							1										
29 Jun 2022	Midweek																	
30 Jun 2022	Midweek							3					1					
01 Jul 2022	Weekend					9									3		1	1
02 Jul 2022	Weekend						2	4							15			
03 Jul 2022	Weekend	5												3				
04 Jul 2022	Midweek	1						1										
05 Jul 2022	Midweek																	
06 Jul 2022	Midweek								1						2			
07 Jul 2022	Midweek								6									
08 Jul 2022	Midweek		5			5				1								
09 Jul 2022	Weekend								8	2								
10 Jul 2022	Weekend					6							1		4			
11 Jul 2022	Midweek						12											
12 Jul 2022	Midweek																	
13 Jul 2022	Midweek																	
14 Jul 2022	Midweek	1					4											
15 Jul 2022	Midweek		23			8												
16 Jul 2022	Weekend	36		3														
17 Jul 2022	Weekend		26			6							1					
18 Jul 2022	Midweek																	
19 Jul 2022	Midweek					7												
20 Jul 2022	Midweek							2										
21 Jul 2022	Midweek		25												22			
22 Jul 2022	Midweek														8			
23 Jul 2022	Weekend					7											1	
24 Jul 2022	Weekend							6						9				
25 Jul 2022	Midweek							1										
26 Jul 2022	Midweek					1												
27 Jul 2022	Midweek													17				
28 Jul 2022	Midweek	18													22			
29 Jul 2022	Midweek								5									
30 Jul 2022	Weekend		14						10			1						
31 Jul 2022	Weekend					13	1				1				20			
01 Aug 2022	Weekend						18								22	1		
02 Aug 2022	Midweek								5									
03 Aug 2022	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-2022	Tuesday	choppy	1							
29-Jun-2022	Wednesday		0							
30-Jun-2022	Thursday	choppy	7							
01-Jul-2022	Friday (Canada Day)	choppy	27							
02-Jul-2022	Saturday	calm/rippled	7					36	1142	130
03-Jul-2022	Sunday	choppy	8	2						
04-Jul-2022	Monday	choppy	2							
05-Jul-2022	Tuesday		1					32	1054	111
06-Jul-2022	Wednesday	choppy	3							
07-Jul-2022	Thursday	calm/rippled	7							
08-Jul-2022	Friday	choppy	14					22	1131	64
09-Jul-2022	Saturday	calm/rippled	12	3				25	1145	90
10-Jul-2022	Sunday	choppy	11					16	1140	57
11-Jul-2022	Monday	calm/rippled	12							
12-Jul-2022	Tuesday		0							
13-Jul-2022	Wednesday		0					3	1137	9
14-Jul-2022	Thursday	choppy	5		1					
15-Jul-2022	Friday	frequent whitecaps	32	28				38	1135	111
16-Jul-2022	Saturday	choppy	43	51	1					
17-Jul-2022	Sunday	choppy	33	23	3			28	1228	92
18-Jul-2022	Monday		2	5						
19-Jul-2022	Tuesday	calm/rippled	8	7				60	1134	172
20-Jul-2022	Wednesday	choppy	4	1						
21-Jul-2022	Thursday	choppy	48	50	1					
22-Jul-2022	Friday	frequent whitecaps	10	2						
23-Jul-2022	Saturday	choppy	10	7						
24-Jul-2022	Sunday	choppy	15	18				25	1058	90
25-Jul-2022	Monday	frequent whitecaps	1							
26-Jul-2022	Tuesday	calm/rippled	1	1				19	1138	56
27-Jul-2022	Wednesday	choppy	19	12						
28-Jul-2022	Thursday	calm/rippled	41	21						
29-Jul-2022	Friday	choppy	5	2						
30-Jul-2022	Saturday	choppy	28	11				46	1140	162
31-Jul-2022	Sunday	choppy	37	12	1					
01-Aug-2022	Monday (B.C. Day)	choppy	41	10				37	1128	133
02-Aug-2022	Tuesday	choppy	5					28	1143	80
03-Aug-2022	Wednesday		0							
	Totals	choppy	215	129	2			29*		87*
	Totals	choppy	231	127	5			29*		104*

* 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	104	11	1144	0.55	0.022			629	25		
Midweek	87	20	1740	0.6	0.009			1044	16		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2022	July	3122	2068	58		0
5-Yr Avg	July	2826	851	371		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	42	72%	7%	2	4%	150%	3
Chinook	458	24%	22%	313	23%	33%	103

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	446	3%
iRec Anglers	5367	19%

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

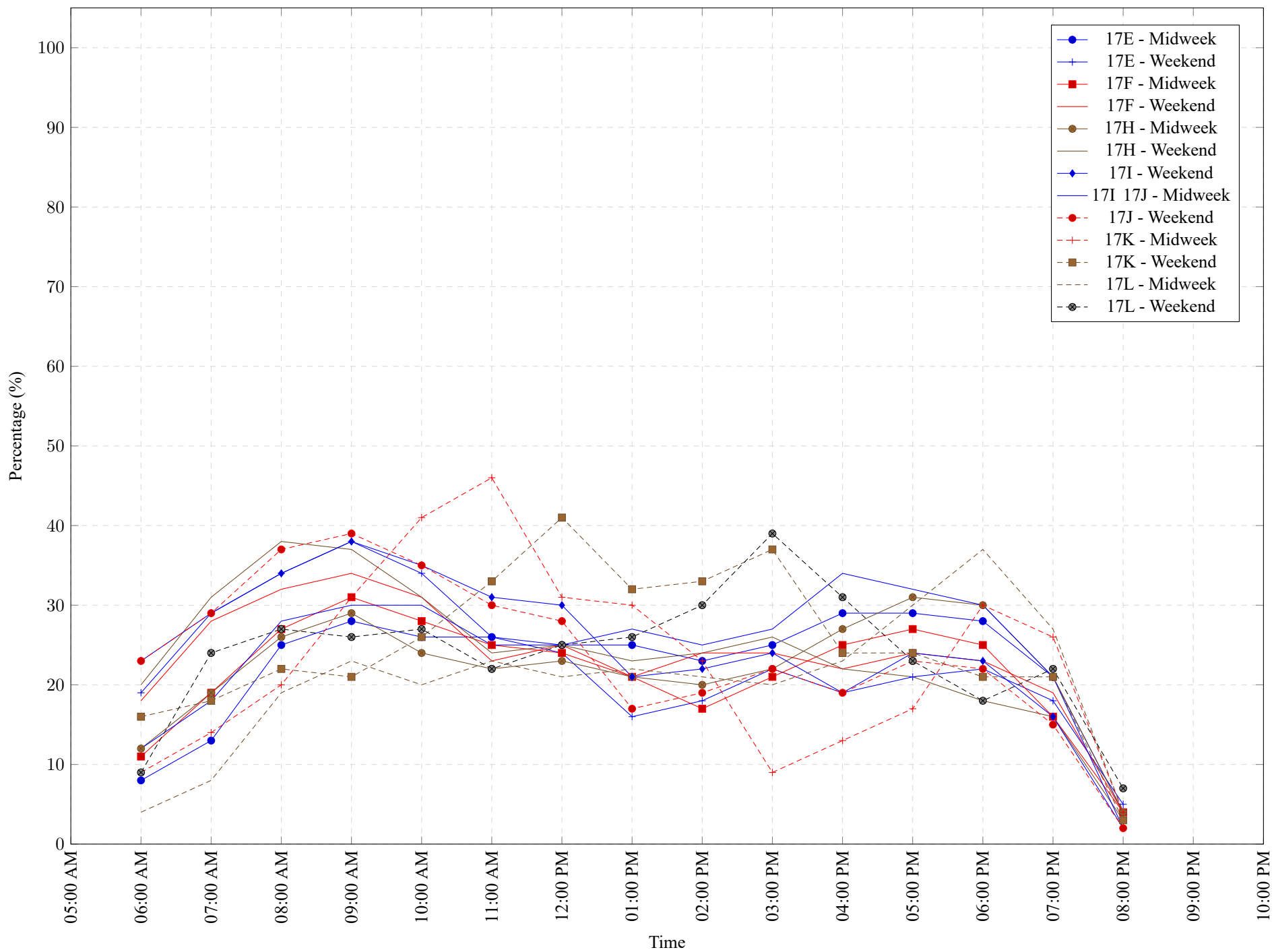


Table 7: Proportion of each day's fishing by hour.

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%	13%	25%	28%	26%	26%	25%	25%	23%	25%	29%	29%	28%	21%	4%	0%	0%
17E	Weekend	19%	29%	34%	38%	34%	26%	24%	16%	18%	22%	19%	21%	22%	18%	5%	0%	0%
17F	Midweek	11%	19%	27%	31%	28%	25%	24%	21%	17%	21%	25%	27%	25%	16%	4%	0%	0%
17F	Weekend	18%	28%	32%	34%	31%	23%	25%	21%	24%	24%	22%	24%	23%	19%	4%	0%	0%
17H	Midweek	12%	19%	26%	29%	24%	22%	23%	21%	20%	22%	27%	31%	30%	21%	4%	0%	0%
17H	Weekend	20%	31%	38%	37%	31%	24%	25%	23%	24%	26%	22%	21%	18%	16%	3%	0%	0%
17I	Weekend	23%	29%	34%	38%	35%	31%	30%	21%	22%	24%	19%	24%	23%	16%	2%	0%	0%
17I 17J	Midweek	12%	18%	28%	30%	30%	25%	25%	27%	25%	27%	34%	32%	30%	21%	2%	0%	0%
17J	Weekend	23%	29%	37%	39%	35%	30%	28%	17%	19%	22%	19%	23%	22%	15%	2%	0%	0%
17K	Midweek	9%	14%	20%	31%	41%	46%	31%	30%	23%	9%	13%	17%	30%	26%	4%	0%	0%
17K	Weekend	16%	18%	22%	21%	26%	33%	41%	32%	33%	37%	24%	24%	21%	21%	3%	0%	0%
17L	Midweek	4%	8%	19%	23%	20%	23%	21%	22%	21%	20%	23%	30%	37%	27%	4%	0%	0%
17L	Weekend	9%	24%	27%	26%	27%	22%	25%	26%	30%	39%	31%	23%	18%	22%	7%	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	Sidney	Thunderbird Marina
28 Jun 2022	Midweek					choppy							
29 Jun 2022	Midweek												
30 Jun 2022	Midweek					calm/rippled			choppy	choppy			
01 Jul 2022	Weekend			choppy						choppy		choppy	calm/rippled
02 Jul 2022	Weekend				choppy	calm/rippled							
03 Jul 2022	Weekend	choppy								frequent whitecaps			
04 Jul 2022	Midweek	choppy				choppy							
05 Jul 2022	Midweek												
06 Jul 2022	Midweek					choppy				calm/rippled			
07 Jul 2022	Midweek					calm/rippled							
08 Jul 2022	Midweek	choppy		choppy			calm/rippled						
09 Jul 2022	Weekend					calm/rippled	calm/rippled						
10 Jul 2022	Weekend			choppy					calm/rippled	choppy			
11 Jul 2022	Midweek			calm/rippled									
12 Jul 2022	Midweek												
13 Jul 2022	Midweek												
14 Jul 2022	Midweek	choppy		calm/rippled									
15 Jul 2022	Midweek	frequent whitecaps		choppy									
16 Jul 2022	Weekend	choppy	choppy										
17 Jul 2022	Weekend	choppy		calm/rippled					choppy				
18 Jul 2022	Midweek												
19 Jul 2022	Midweek			calm/rippled									
20 Jul 2022	Midweek					choppy							
21 Jul 2022	Midweek	choppy								calm/rippled			
22 Jul 2022	Midweek									frequent whitecaps			
23 Jul 2022	Weekend			choppy								choppy	
24 Jul 2022	Weekend					choppy				choppy			
25 Jul 2022	Midweek					frequent whitecaps							
26 Jul 2022	Midweek			calm/rippled									
27 Jul 2022	Midweek									choppy			
28 Jul 2022	Midweek	calm/rippled								calm/rippled			
29 Jul 2022	Midweek					choppy							
30 Jul 2022	Weekend	choppy				choppy		calm/rippled					
31 Jul 2022	Weekend			calm/rippled	choppy			calm/rippled		choppy			
01 Aug 2022	Weekend			choppy						choppy	calm/rippled		
02 Aug 2022	Midweek					choppy							
03 Aug 2022	Midweek												