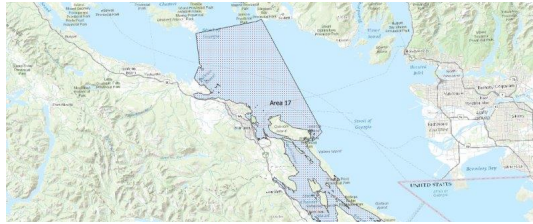


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 17 August 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.

Date	Day Type	Brechin		Cowichan Bay	Crofton Ramp		French Ck	Ladysmith		McDon-ald Beach	Mill Bay		Schooner		Sewell's East
		AM	PM	PM	AM	PM	PM	AM	PM	PM	AM	PM	AM	PM	PM
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														
04 Aug 2022	Midweek		23						10						
05 Aug 2022	Midweek					2								5	
06 Aug 2022	Weekend								7				5		
07 Aug 2022	Weekend	3			8			2							
08 Aug 2022	Midweek				2										
09 Aug 2022	Midweek														
10 Aug 2022	Midweek							1						4	
11 Aug 2022	Midweek	16				4									
12 Aug 2022	Midweek			1											
13 Aug 2022	Weekend				6				10	2					
14 Aug 2022	Weekend		53												
15 Aug 2022	Midweek														
16 Aug 2022	Midweek				5										
17 Aug 2022	Midweek					5									
18 Aug 2022	Midweek														
19 Aug 2022	Midweek							2					5		
20 Aug 2022	Weekend							4					6		
21 Aug 2022	Weekend	25		1											
22 Aug 2022	Midweek		41										6		
23 Aug 2022	Midweek	5													
24 Aug 2022	Midweek				6		1								
25 Aug 2022	Midweek														
26 Aug 2022	Midweek			1											
27 Aug 2022	Weekend								4					1	
28 Aug 2022	Weekend		36	1											
29 Aug 2022	Midweek	17				11									
30 Aug 2022	Midweek								4						
31 Aug 2022	Midweek		24												
01 Sep 2022	Midweek		14												
02 Sep 2022	Midweek	22												24	
03 Sep 2022	Weekend							5						3	

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-2022	Friday	choppy	5	2						
30-Jul-2022	Saturday	choppy	28	11				46	1140	127
31-Jul-2022	Sunday	choppy	37	12	1					
01-Aug-2022	Monday (B.C. Day)	choppy	41	10				37	1128	103
02-Aug-2022	Tuesday	choppy	5					28	1143	106
03-Aug-2022	Wednesday		0							
04-Aug-2022	Thursday	choppy	33	12						
05-Aug-2022	Friday	frequent whitecaps	7	1						
06-Aug-2022	Saturday	choppy	12	1						
07-Aug-2022	Sunday	choppy	13	2				8	1144	23
08-Aug-2022	Monday	calm/rippled	2							
09-Aug-2022	Tuesday		0							
10-Aug-2022	Wednesday	choppy	5	3						
11-Aug-2022	Thursday	choppy	23	4						
12-Aug-2022	Friday	choppy	1					62	1136	236
13-Aug-2022	Saturday	choppy	18	2				23	1136	64
14-Aug-2022	Sunday	calm/rippled	56	19	3					
15-Aug-2022	Monday		0							
16-Aug-2022	Tuesday	calm/rippled	5							
17-Aug-2022	Wednesday	choppy	5							
18-Aug-2022	Thursday		0					6	1134	22
19-Aug-2022	Friday	choppy	7	5	3					
20-Aug-2022	Saturday	choppy	10	4	1					
21-Aug-2022	Sunday	choppy	26	8	2			56	1129	157
22-Aug-2022	Monday	calm/rippled	47	21	5					
23-Aug-2022	Tuesday	choppy	5	2				68	1132	258
24-Aug-2022	Wednesday	calm/rippled	7	2						
25-Aug-2022	Thursday		0							
26-Aug-2022	Friday	choppy	1							
27-Aug-2022	Saturday	choppy	5					10	1136	28
28-Aug-2022	Sunday	choppy	37	12	1					
29-Aug-2022	Monday	choppy	28	8				41	1139	155
30-Aug-2022	Tuesday	calm/rippled	4	1						
31-Aug-2022	Wednesday	calm/rippled	27	7						
01-Sep-2022	Thursday	frequent whitecaps	14	7				13	1222	46
02-Sep-2022	Friday	calm/rippled	48	10	3					
03-Sep-2022	Saturday	frequent whitecaps	8					20	1245	51
	Totals	choppy	212	66	8			41*		155*
	Totals	choppy	218	58	7			27*		75*

* 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	75	9	675	0.266	0.032			180	22		
Midweek	155	22	3410	0.311	0.038			1061	130		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2022	August	4026	1444	212		0
5-Yr Avg	August	3460	659	534	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	206	97%	5%	87	94%	11%	10
Chinook	448	33%	16%	522	39%	14%	71

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	430	2%
iRec Anglers	7455	16%

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

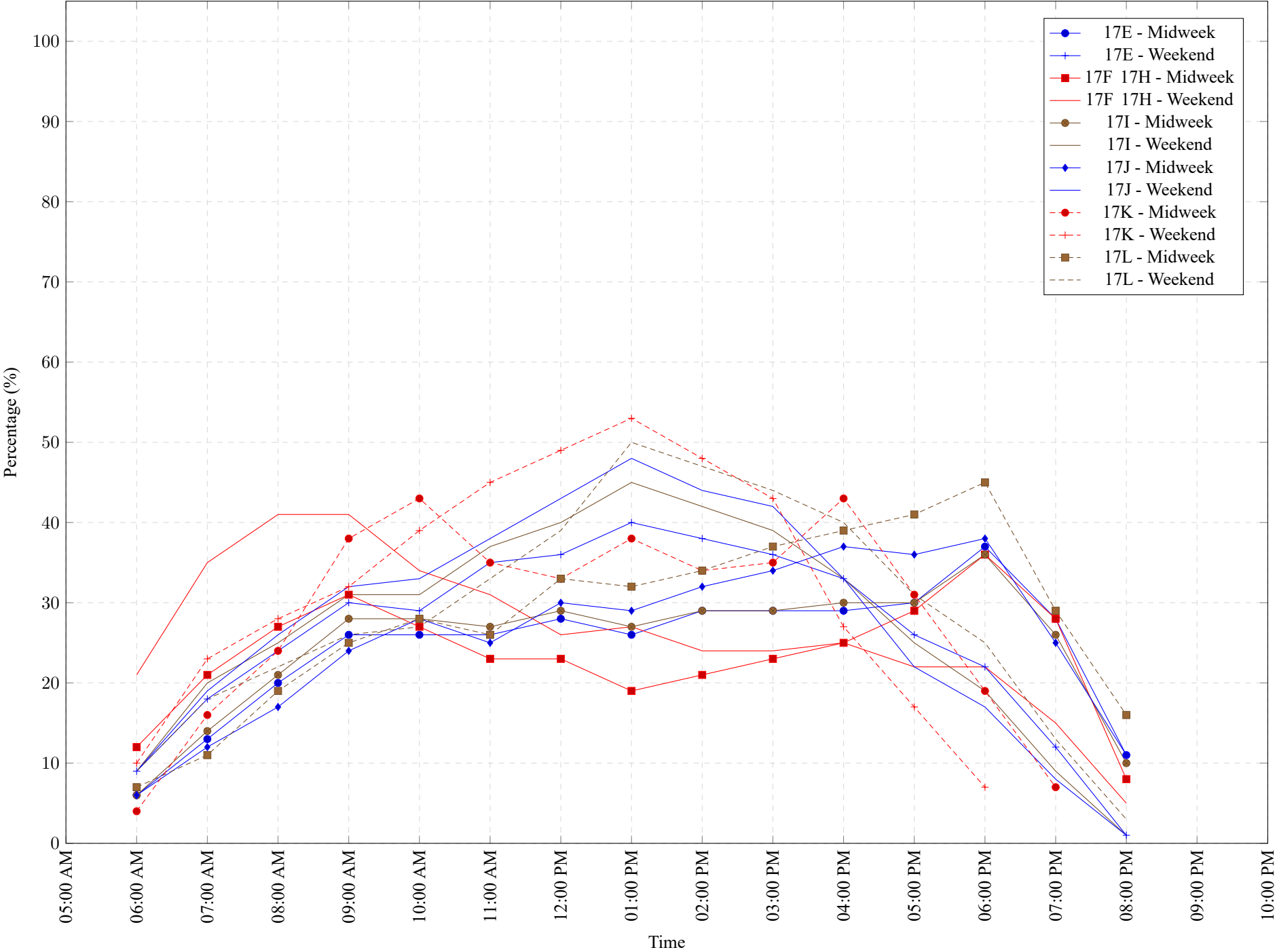


Table 7: Proportion of each day's fishing by hour.

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	6%	13%	20%	26%	26%	26%	28%	26%	29%	29%	29%	30%	37%	28%	11%	0%	0%
17E	Weekend	9%	18%	24%	30%	29%	35%	36%	40%	38%	36%	33%	26%	22%	12%	1%	0%	0%
17F 17H	Midweek	12%	21%	27%	31%	27%	23%	23%	19%	21%	23%	25%	29%	36%	28%	8%	0%	0%
17F 17H	Weekend	21%	35%	41%	41%	34%	31%	26%	27%	24%	24%	25%	22%	22%	15%	5%	0%	0%
17I	Midweek	6%	14%	21%	28%	28%	27%	29%	27%	29%	29%	30%	30%	36%	26%	10%	0%	0%
17I	Weekend	9%	20%	25%	31%	31%	37%	40%	45%	42%	39%	33%	25%	19%	9%	1%	0%	0%
17J	Midweek	6%	12%	17%	24%	28%	25%	30%	29%	32%	34%	37%	36%	38%	25%	11%	0%	0%
17J	Weekend	9%	19%	26%	32%	33%	38%	43%	48%	44%	42%	33%	22%	17%	8%	1%	0%	0%
17K	Midweek	4%	16%	24%	38%	43%	35%	33%	38%	34%	35%	43%	31%	19%	7%	0%	0%	0%
17K	Weekend	10%	23%	28%	32%	39%	45%	49%	53%	48%	43%	27%	17%	7%	0%	0%	0%	0%
17L	Midweek	7%	11%	19%	25%	28%	26%	33%	32%	34%	37%	39%	41%	45%	29%	16%	0%	0%
17L	Weekend	9%	18%	22%	26%	27%	33%	39%	50%	47%	44%	40%	31%	25%	13%	3%	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	
29 Jul 2022	Midweek	choppy			choppy	choppy		calm/rippled	choppy		
30 Jul 2022	Weekend										
31 Jul 2022	Weekend										
01 Aug 2022	Weekend	calm/rippled		choppy	calm/rippled	choppy		calm/rippled			
02 Aug 2022	Midweek	choppy									
03 Aug 2022	Midweek										
04 Aug 2022	Midweek	choppy			calm/rippled						
05 Aug 2022	Midweek			choppy					frequent whitecaps		
06 Aug 2022	Weekend				choppy				frequent whitecaps		
07 Aug 2022	Weekend	frequent whitecaps	calm/rippled		choppy						
08 Aug 2022	Midweek			calm/rippled							
09 Aug 2022	Midweek										
10 Aug 2022	Midweek				calm/rippled				frequent whitecaps		
11 Aug 2022	Midweek	choppy			choppy						
12 Aug 2022	Midweek	choppy									
13 Aug 2022	Weekend			calm/rippled	choppy		choppy				
14 Aug 2022	Weekend	calm/rippled									
15 Aug 2022	Midweek										
16 Aug 2022	Midweek			calm/rippled							
17 Aug 2022	Midweek			choppy							
18 Aug 2022	Midweek										
19 Aug 2022	Midweek				calm/rippled				choppy		
20 Aug 2022	Weekend				choppy				choppy		
21 Aug 2022	Weekend	choppy	frequent whitecaps								
22 Aug 2022	Midweek	calm/rippled							choppy		
23 Aug 2022	Midweek	choppy									
24 Aug 2022	Midweek			calm/rippled	choppy						
25 Aug 2022	Midweek										
26 Aug 2022	Midweek	choppy									
27 Aug 2022	Weekend					choppy			choppy		
28 Aug 2022	Weekend	choppy	choppy								
29 Aug 2022	Midweek	choppy	calm/rippled								
30 Aug 2022	Midweek				calm/rippled						
31 Aug 2022	Midweek	calm/rippled									
01 Sep 2022	Midweek	frequent whitecaps									
02 Sep 2022	Midweek	choppy							calm/rippled		
03 Sep 2022	Weekend				frequent whitecaps				frequent whitecaps		