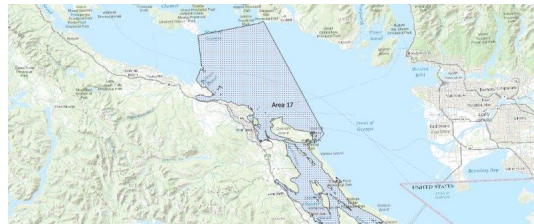


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 17 July 2024



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 12th September, 2024



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		Thunder- bird Marina
Date	Day Type	AM	PM	AM	PM	AM	PM	AM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	PM
28 Jun 2024	Midweek						2												
29 Jun 2024	Weekend																12		
30 Jun 2024	Weekend								1		1								
01 Jul 2024	Weekend																		
02 Jul 2024	Midweek		13																
03 Jul 2024	Midweek																3		
04 Jul 2024	Midweek																		
05 Jul 2024	Midweek					2													
06 Jul 2024	Weekend																		
07 Jul 2024	Weekend	13											1		3		18		
08 Jul 2024	Midweek								6										1
09 Jul 2024	Midweek																		
10 Jul 2024	Midweek					1													
11 Jul 2024	Midweek																		
12 Jul 2024	Midweek																		
13 Jul 2024	Weekend				3				3			2							
14 Jul 2024	Weekend																7		
15 Jul 2024	Midweek								8										
16 Jul 2024	Midweek																		
17 Jul 2024	Midweek			1												2	4		
18 Jul 2024	Midweek						6												
19 Jul 2024	Midweek																		
20 Jul 2024	Weekend								9										
21 Jul 2024	Weekend		27				14												
22 Jul 2024	Midweek						8												
23 Jul 2024	Midweek											1							
24 Jul 2024	Midweek		10						3										
25 Jul 2024	Midweek						6												
26 Jul 2024	Midweek																	5	
27 Jul 2024	Weekend						19		6		2								
28 Jul 2024	Weekend							1									12		
29 Jul 2024	Midweek																		
30 Jul 2024	Midweek								3										
31 Jul 2024	Midweek					6													
01 Aug 2024	Midweek	3																	
02 Aug 2024	Midweek					4													
03 Aug 2024	Weekend							1											

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-2024	Friday	choppy	2							
29-Jun-2024	Saturday	choppy	12		23					
30-Jun-2024	Sunday	calm/rippled	2		4					
01-Jul-2024	Monday (Canada Day)		0					30	1141	108
02-Jul-2024	Tuesday	calm/rippled	13		10					
03-Jul-2024	Wednesday	choppy	3							
04-Jul-2024	Thursday		0					11	1149	41
05-Jul-2024	Friday	frequent whitecaps	2							
06-Jul-2024	Saturday		0					9	1216	31
07-Jul-2024	Sunday	calm/rippled	35	1	42					
08-Jul-2024	Monday	choppy	7		4					
09-Jul-2024	Tuesday		0							
10-Jul-2024	Wednesday	calm/rippled	1		10					
11-Jul-2024	Thursday		0							
12-Jul-2024	Friday		0					7	1157	27
13-Jul-2024	Saturday	choppy	8		1					
14-Jul-2024	Sunday	choppy	7		3			28	1214	97
15-Jul-2024	Monday	choppy	8	3	6			61	1246	247
16-Jul-2024	Tuesday		0							
17-Jul-2024	Wednesday	choppy	7		7					
18-Jul-2024	Thursday	choppy	6		5			27	1145	95
19-Jul-2024	Friday		0							
20-Jul-2024	Saturday	calm/rippled	9	1	5			146	1138	542
21-Jul-2024	Sunday	frequent whitecaps	41	9	17			31	1137	113
22-Jul-2024	Monday	choppy	8		2					
23-Jul-2024	Tuesday	choppy	1		4			36	1150	125
24-Jul-2024	Wednesday	calm/rippled	13	1	10					
25-Jul-2024	Thursday	choppy	6	3	3					
26-Jul-2024	Friday	choppy	5		1			32	1149	114
27-Jul-2024	Saturday	choppy	27	3	8			53	1140	192
28-Jul-2024	Sunday	frequent whitecaps	13	9	15					
29-Jul-2024	Monday		0							
30-Jul-2024	Tuesday	choppy	3							
31-Jul-2024	Wednesday	calm/rippled	6		6					
01-Aug-2024	Thursday	frequent whitecaps	3	1						
02-Aug-2024	Friday	calm/rippled	4	1	5			87	1151	301
03-Aug-2024	Saturday	choppy	1					193	1159	709
	Totals	choppy	89	7	68			29*		108*
	Totals	choppy	140	23	91			50*		181*

* 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	181	9	1629	0.164	0.65			267	1059		
Midweek	108	22	2376	0.079	0.764			188	1815		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2019	July	2561	862	301		0
2020	July	3026	612	437		0
2021	July	2732	1422	45		0
2022	July	3122	2068	58		0
2023	July	3274	984	2633		0
2024	July	3180	585	2932		0
5-Yr Avg	July	2943	1190	695		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	2852	97%	0%		%		5

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	229	0%

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

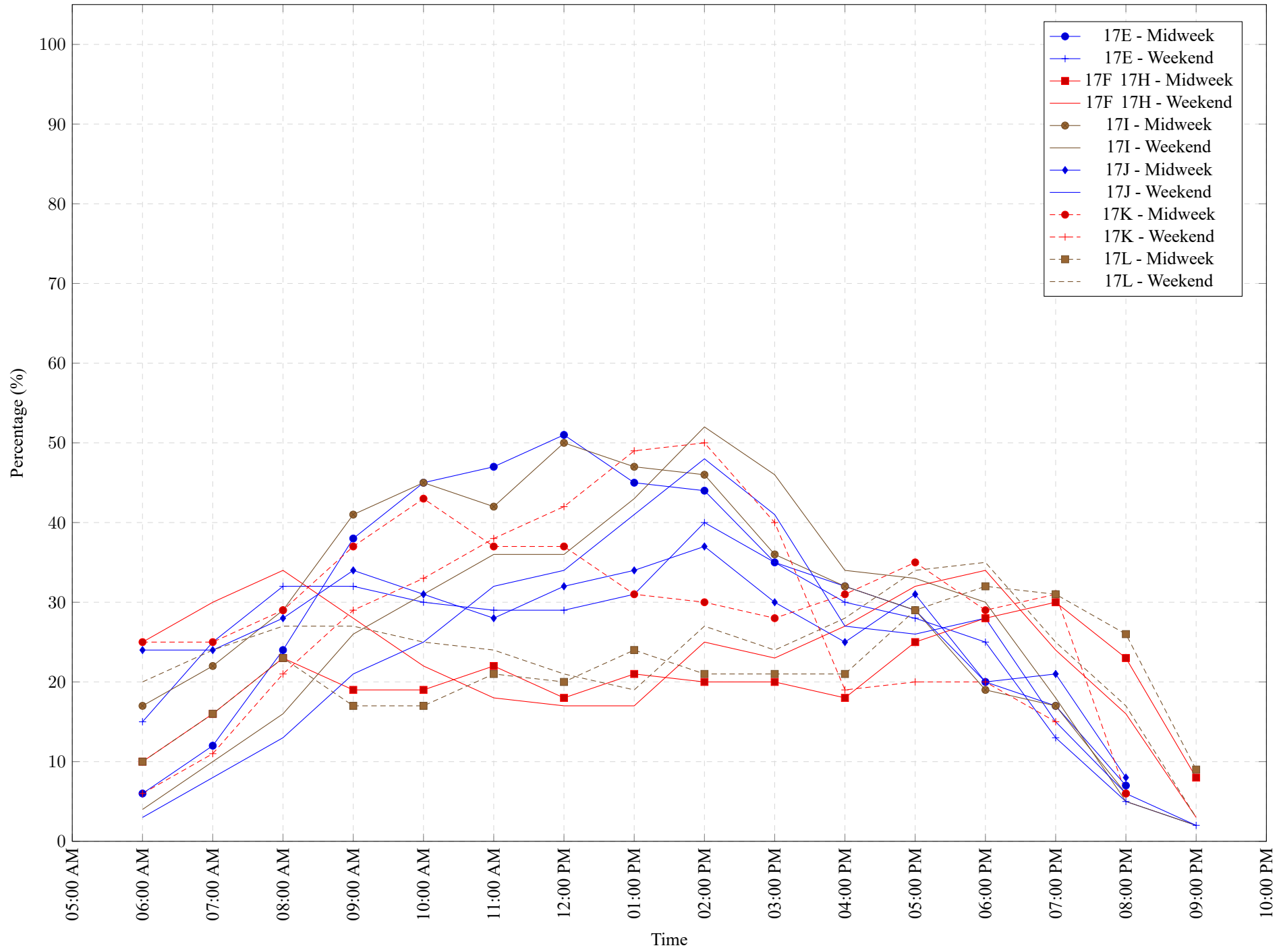


Table 7: Proportion of each day's fishing by hour.

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

Table 8: Daily Fishing Conditions.

Date	Day Type	Brechin	Cowichan Bay	Crofton Ramp	French Ck	Ladysmith	McDonald Beach	Mill Bay	Planetarium	Schooner	Thunderbird Marina
28 Jun 2024	Midweek			choppy							
29 Jun 2024	Weekend									choppy	
30 Jun 2024	Weekend					calm/rippled	calm/rippled				
01 Jul 2024	Weekend										
02 Jul 2024	Midweek	calm/rippled									
03 Jul 2024	Midweek									choppy	
04 Jul 2024	Midweek										
05 Jul 2024	Midweek			frequent whitecaps							
06 Jul 2024	Weekend										
07 Jul 2024	Weekend	calm/rippled						calm/rippled	calm/rippled	choppy	
08 Jul 2024	Midweek					choppy					calm/rippled
09 Jul 2024	Midweek										
10 Jul 2024	Midweek			calm/rippled							
11 Jul 2024	Midweek										
12 Jul 2024	Midweek										
13 Jul 2024	Weekend		choppy			choppy		calm/rippled			
14 Jul 2024	Weekend									choppy	
15 Jul 2024	Midweek					choppy					
16 Jul 2024	Midweek										
17 Jul 2024	Midweek		choppy						calm/rippled	choppy	
18 Jul 2024	Midweek			choppy							
19 Jul 2024	Midweek										
20 Jul 2024	Weekend					calm/rippled					
21 Jul 2024	Weekend	frequent whitecaps		choppy							
22 Jul 2024	Midweek			choppy							
23 Jul 2024	Midweek						choppy				
24 Jul 2024	Midweek	calm/rippled				choppy					
25 Jul 2024	Midweek			choppy							
26 Jul 2024	Midweek									choppy	
27 Jul 2024	Weekend			choppy		frequent whitecaps	calm/rippled				
28 Jul 2024	Weekend				frequent whitecaps					frequent whitecaps	
29 Jul 2024	Midweek										
30 Jul 2024	Midweek					choppy					
31 Jul 2024	Midweek			calm/rippled							
01 Aug 2024	Midweek	frequent whitecaps									
02 Aug 2024	Midweek			calm/rippled							
03 Aug 2024	Weekend				choppy						