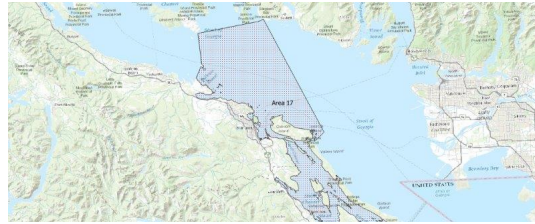


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 17 May 2023



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 8th February, 2024



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		McDonald Beach	Planetarium	Schooner	
		AM	PM	PM	AM	PM	PM	AM	PM	PM	PM	AM	PM
28 Apr 2023	Midweek												
29 Apr 2023	Weekend												
30 Apr 2023	Weekend												
01 May 2023	Midweek					7							
02 May 2023	Midweek												
03 May 2023	Midweek								11				
04 May 2023	Midweek							10					
05 May 2023	Midweek												
06 May 2023	Weekend			1		3							
07 May 2023	Weekend							21					9
08 May 2023	Midweek												3
09 May 2023	Midweek		17										
10 May 2023	Midweek					6							
11 May 2023	Midweek												
12 May 2023	Midweek								11				
13 May 2023	Weekend						1		20		1		
14 May 2023	Weekend		13			16							
15 May 2023	Midweek					1		2					
16 May 2023	Midweek												
17 May 2023	Midweek	3											
18 May 2023	Midweek												
19 May 2023	Midweek							2					
20 May 2023	Weekend	5										2	
21 May 2023	Weekend							1					
22 May 2023	Weekend					1							
23 May 2023	Midweek												
24 May 2023	Midweek												
25 May 2023	Midweek												
26 May 2023	Midweek											1	
27 May 2023	Weekend								1				6
28 May 2023	Weekend		19	1									
29 May 2023	Midweek		2										4
30 May 2023	Midweek								5				
31 May 2023	Midweek												
01 Jun 2023	Midweek	1											
02 Jun 2023	Midweek						1						
03 Jun 2023	Weekend			2		11							

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-2023	Friday		0							
29-Apr-2023	Saturday		0					23	1210	73
30-Apr-2023	Sunday		0							
01-May-2023	Monday	calm/rippled	7							
02-May-2023	Tuesday		0							
03-May-2023	Wednesday	calm/rippled	12							
04-May-2023	Thursday	choppy	10							
05-May-2023	Friday		0					3	1148	12
06-May-2023	Saturday	calm/rippled	4					28	1216	88
07-May-2023	Sunday	calm/rippled	30							
08-May-2023	Monday	choppy	3							
09-May-2023	Tuesday	choppy	18							
10-May-2023	Wednesday	calm/rippled	6	19						
11-May-2023	Thursday		0							
12-May-2023	Friday	calm/rippled	11							
13-May-2023	Saturday	calm/rippled	22					27	1232	82
14-May-2023	Sunday	calm/rippled	29	1						
15-May-2023	Monday	calm/rippled	3							
16-May-2023	Tuesday		0							
17-May-2023	Wednesday	choppy	3							
18-May-2023	Thursday		0					10	1122	42
19-May-2023	Friday	choppy	2							
20-May-2023	Saturday	calm/rippled	7					58	1211	192
21-May-2023	Sunday	choppy	1							
22-May-2023	Monday	choppy	1							
	(Victoria Day)									
23-May-2023	Tuesday		0					3	1150	12
24-May-2023	Wednesday		0							
25-May-2023	Thursday		0							
26-May-2023	Friday	frequent whitecaps	1							
27-May-2023	Saturday	choppy	7							
28-May-2023	Sunday	calm/rippled	20							
29-May-2023	Monday	choppy	6							
30-May-2023	Tuesday	calm/rippled	6	1						
31-May-2023	Wednesday		1							
01-Jun-2023	Thursday	frequent whitecaps	1							
02-Jun-2023	Friday	choppy	1							
03-Jun-2023	Saturday	choppy	13					53	1202	175
	Totals	choppy	89	20				5*		22*
	Totals	calm/rippled	121	1				38*		121*

* 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	121	9	1089	0.008				9			
Midweek	22	22	484	0.225				109			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	May	3935	5014	27		
2019	May	1009	0	0		0
2020	May	1352				
2021	May	2272	0	0		0
2022	May	1677	0			0
2023	May	1345	20	0		0
5-Yr Avg	May	2049	1254	9		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	0	0%		0	0%		2

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	210	0%
iRec Anglers	2068	16%

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

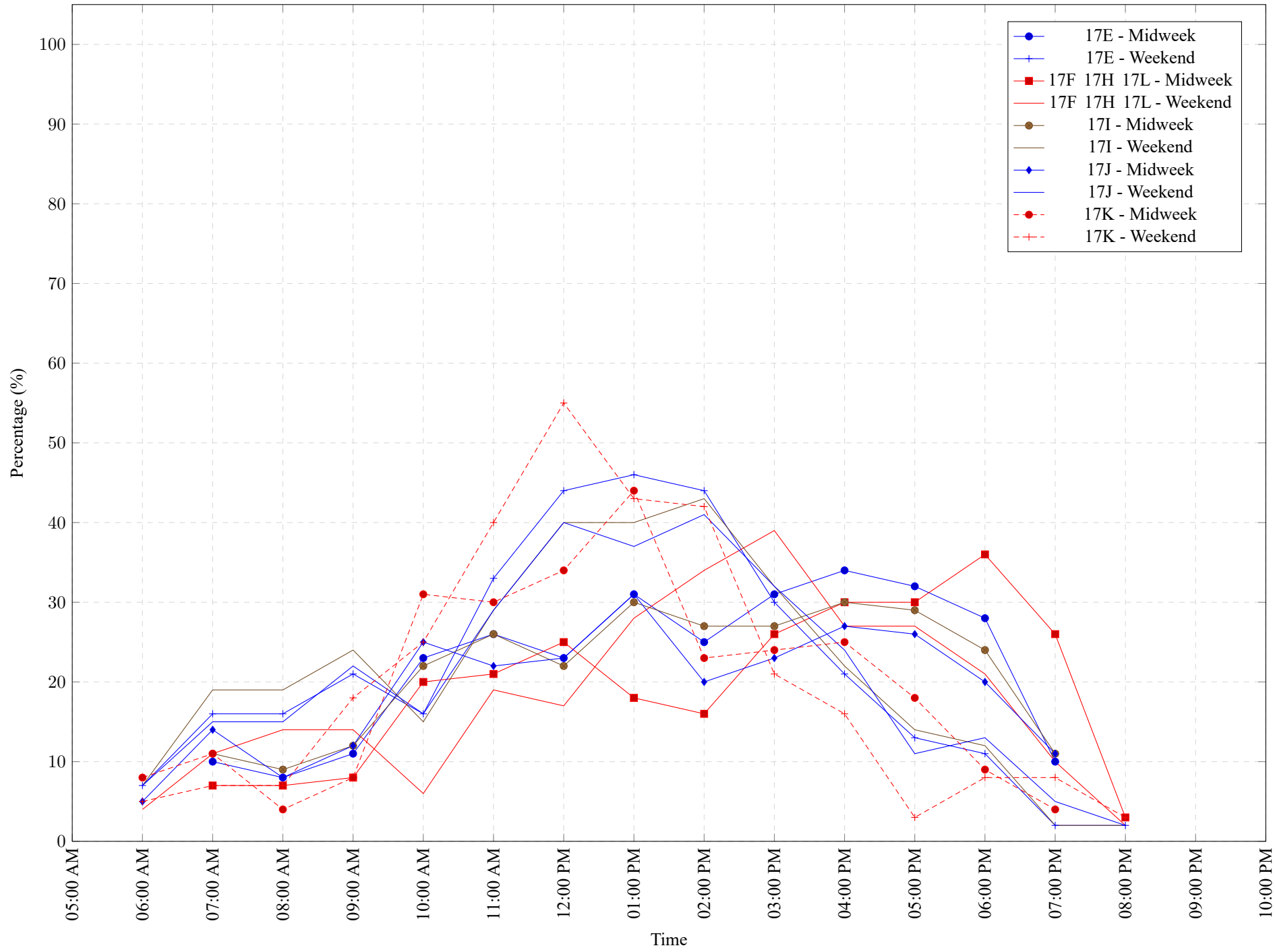


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00	7:00	8:00	9:00	10:00	11:00	12:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00
		AM	AM	AM	AM	AM	AM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
17E	Midweek	0%	10%	8%	11%	23%	26%	23%	31%	25%	31%	34%	32%	28%	10%	0%	0%	0%
17E	Weekend	7%	16%	16%	21%	16%	33%	44%	46%	44%	30%	21%	13%	11%	2%	2%	0%	0%
17F 17H 17L	Midweek	0%	7%	7%	8%	20%	21%	25%	18%	16%	26%	30%	30%	36%	26%	3%	0%	0%
17F 17H 17L	Weekend	4%	11%	14%	14%	6%	19%	17%	28%	34%	39%	27%	27%	21%	10%	2%	0%	0%
17I	Midweek	0%	11%	9%	12%	22%	26%	22%	30%	27%	27%	30%	29%	24%	11%	0%	0%	0%
17I	Weekend	7%	19%	19%	24%	15%	29%	40%	40%	43%	32%	22%	14%	12%	2%	2%	0%	0%
17J	Midweek	5%	14%	8%	12%	25%	22%	23%	31%	20%	23%	27%	26%	20%	11%	0%	0%	0%
17J	Weekend	7%	15%	15%	22%	16%	29%	40%	37%	41%	32%	24%	11%	13%	5%	2%	0%	0%
17K	Midweek	8%	11%	4%	8%	31%	30%	34%	44%	23%	24%	25%	18%	9%	4%	0%	0%	0%
17K	Weekend	5%	7%	7%	18%	25%	40%	55%	43%	42%	21%	16%	3%	8%	8%	3%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Brechin	Cowichan Bay	Crofton Ramp	French Ck	Ladysmith	McDonald Beach	Planetarium	Schooner
28 Apr 2023	Midweek								
29 Apr 2023	Weekend								
30 Apr 2023	Weekend								
01 May 2023	Midweek			calm/rippled					
02 May 2023	Midweek								
03 May 2023	Midweek					calm/rippled			
04 May 2023	Midweek					choppy			
05 May 2023	Midweek								
06 May 2023	Weekend		choppy	calm/rippled					
07 May 2023	Weekend					calm/rippled			calm/rippled
08 May 2023	Midweek								choppy
09 May 2023	Midweek	choppy							
10 May 2023	Midweek			calm/rippled					
11 May 2023	Midweek								
12 May 2023	Midweek					calm/rippled			
13 May 2023	Weekend				calm/rippled	calm/rippled		calm/rippled	
14 May 2023	Weekend	choppy		calm/rippled					
15 May 2023	Midweek			calm/rippled		choppy			
16 May 2023	Midweek								
17 May 2023	Midweek	choppy							
18 May 2023	Midweek								
19 May 2023	Midweek					choppy			
20 May 2023	Weekend	calm/rippled							calm/rippled
21 May 2023	Weekend					choppy			
22 May 2023	Weekend			choppy					
23 May 2023	Midweek								
24 May 2023	Midweek								
25 May 2023	Midweek								
26 May 2023	Midweek								frequent whitecaps
27 May 2023	Weekend						choppy		choppy
28 May 2023	Weekend	calm/rippled	choppy						
29 May 2023	Midweek	calm/rippled							frequent whitecaps
30 May 2023	Midweek					calm/rippled			
31 May 2023	Midweek								
01 Jun 2023	Midweek	frequent whitecaps							
02 Jun 2023	Midweek				choppy				
03 Jun 2023	Weekend		choppy	choppy					