

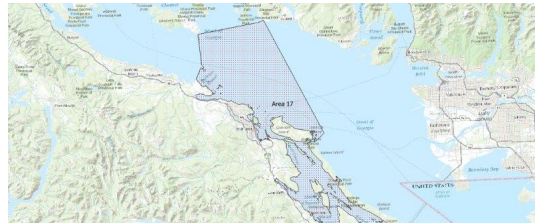
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 17 June 2023



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*Prepared By:*

South Coast Salmon Stock Assessment Section

Thursday 8<sup>th</sup> February, 2024



Fisheries and Oceans  
Canada

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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	Mill Bay	Schooner	
		AM	PM	PM	AM	PM	PM	AM	PM	PM	PM	AM	PM
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							
04 Jun 2023	Weekend		4										1
05 Jun 2023	Midweek					2							
06 Jun 2023	Midweek												
07 Jun 2023	Midweek												
08 Jun 2023	Midweek												
09 Jun 2023	Midweek												
10 Jun 2023	Weekend								3				
11 Jun 2023	Weekend							8					1
12 Jun 2023	Midweek		4			3							
13 Jun 2023	Midweek												
14 Jun 2023	Midweek												
15 Jun 2023	Midweek							1					
16 Jun 2023	Midweek												
17 Jun 2023	Weekend	11							4				
18 Jun 2023	Weekend					4							
19 Jun 2023	Midweek		20						2				
20 Jun 2023	Midweek												3
21 Jun 2023	Midweek												
22 Jun 2023	Midweek								6				
23 Jun 2023	Midweek												
24 Jun 2023	Weekend									3		2	
25 Jun 2023	Weekend					10							
26 Jun 2023	Midweek	10										4	
27 Jun 2023	Midweek					7							
28 Jun 2023	Midweek											4	
29 Jun 2023	Midweek							3					
30 Jun 2023	Midweek										1		5
01 Jul 2023	Weekend												
02 Jul 2023	Weekend		7						8				
03 Jul 2023	Weekend			1		9							

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-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	133
04-Jun-2023	Sunday	choppy	5		1					
05-Jun-2023	Monday	frequent whitecaps	2					0	1152	0
06-Jun-2023	Tuesday		1							
07-Jun-2023	Wednesday		0							
08-Jun-2023	Thursday		2		1			23	1154	77
09-Jun-2023	Friday		0							
10-Jun-2023	Saturday	calm/rippled	3							
11-Jun-2023	Sunday	frequent whitecaps	9					6	1208	15
12-Jun-2023	Monday	choppy	7		1					
13-Jun-2023	Tuesday		0							
14-Jun-2023	Wednesday		2							
15-Jun-2023	Thursday	choppy	3					24	1156	81
16-Jun-2023	Friday		0							
17-Jun-2023	Saturday	choppy	15		20			20	1157	52
18-Jun-2023	Sunday	calm/rippled	4							
19-Jun-2023	Monday	calm/rippled	24		35					
20-Jun-2023	Tuesday	frequent whitecaps	3		2					
21-Jun-2023	Wednesday		4		4					
22-Jun-2023	Thursday	calm/rippled	6							
23-Jun-2023	Friday		0							
24-Jun-2023	Saturday	choppy	5		6			22	1211	55
25-Jun-2023	Sunday	choppy	11		1					
26-Jun-2023	Monday	choppy	16		21					
27-Jun-2023	Tuesday	choppy	7							
28-Jun-2023	Wednesday	choppy	4		8					
29-Jun-2023	Thursday	calm/rippled	3							
30-Jun-2023	Friday	calm/rippled	6	1	6			13	1120	43
01-Jul-2023	Saturday		0					27	1152	71
02-Jul-2023	Sunday	choppy	15					7	1128	18
03-Jul-2023	Monday (Canada Day)	choppy	10							
	Totals	choppy	92	1	78			15*		50*
	Totals	choppy	65		28			25*		64*

\* 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	50	22	1100	0.011	0.848			12	933		
Weekend	64	8	512		0.431				221		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	June	1411	827	516		
2019	June	1267	16	246		0
2020	June	1310		65		
2021	June	1656	0	1		0
2022	June	946	6	0		0
2023	June	1537	16	1695		0
5-Yr Avg	June	1318	212	166		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	1646	97%	13%	1804	95%	11%	207

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	157	2%
iRec Anglers	3076	9%

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

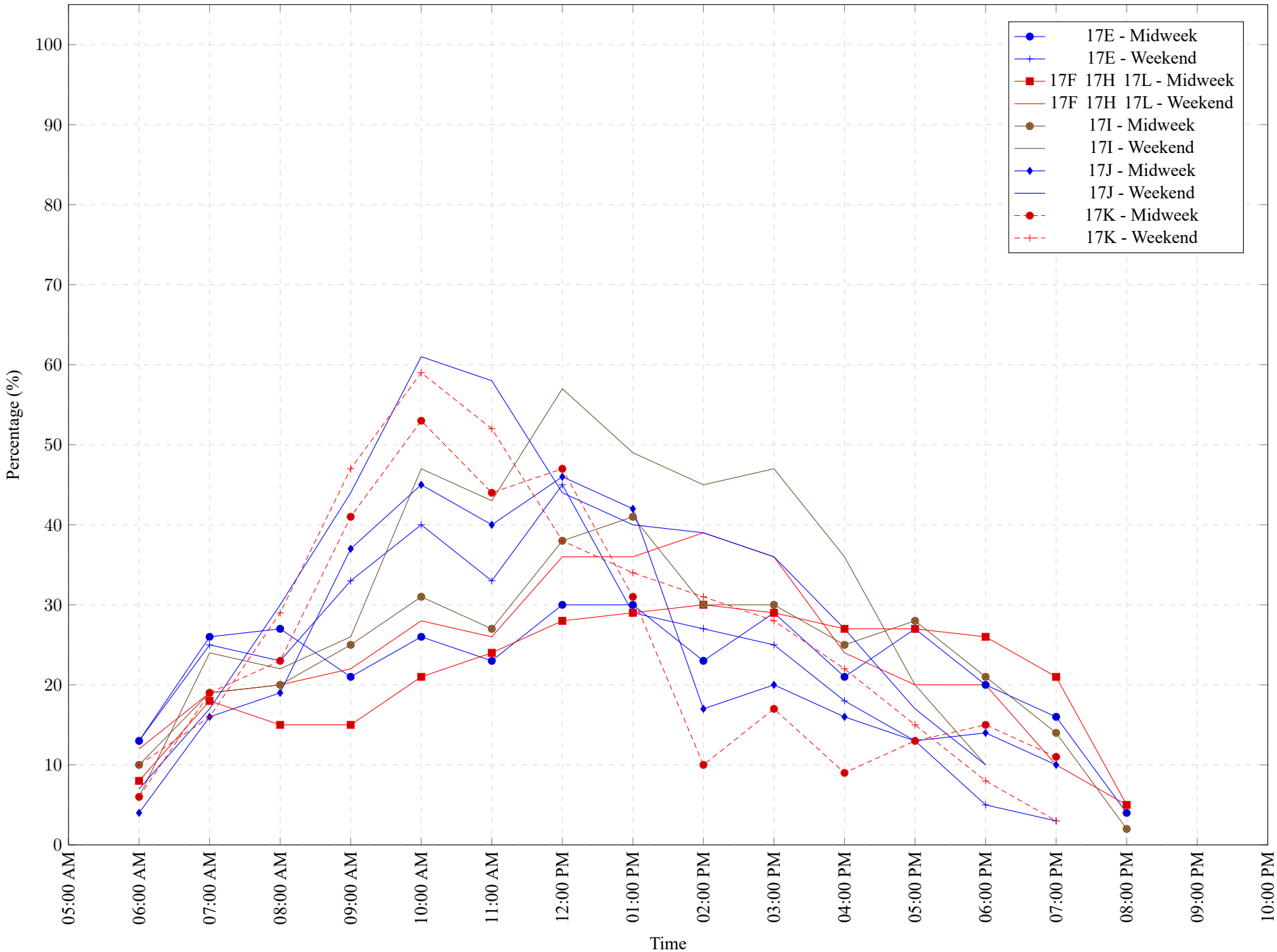


Table 7: Proportion of each day's fishing by hour.

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	13%	26%	27%	21%	26%	23%	30%	30%	23%	29%	21%	27%	20%	16%	4%	0%	0%
17E	Weekend	13%	25%	23%	33%	40%	33%	45%	29%	27%	25%	18%	13%	5%	3%	0%	0%	0%
17F 17H 17L	Midweek	8%	18%	15%	15%	21%	24%	28%	29%	30%	29%	27%	27%	26%	21%	5%	0%	0%
17F 17H 17L	Weekend	12%	19%	20%	22%	28%	26%	36%	36%	39%	36%	24%	20%	20%	10%	5%	0%	0%
17I	Midweek	10%	19%	20%	25%	31%	27%	38%	41%	30%	30%	25%	28%	21%	14%	2%	0%	0%
17I	Weekend	6%	24%	22%	26%	47%	43%	57%	49%	45%	47%	36%	20%	10%	0%	0%	0%	0%
17J	Midweek	4%	16%	19%	37%	45%	40%	46%	42%	17%	20%	16%	13%	14%	10%	0%	0%	0%
17J	Weekend	7%	17%	30%	44%	61%	58%	44%	40%	39%	36%	27%	17%	10%	0%	0%	0%	0%
17K	Midweek	6%	19%	23%	41%	53%	44%	47%	31%	10%	17%	9%	13%	15%	11%	0%	0%	0%
17K	Weekend	10%	16%	29%	47%	59%	52%	38%	34%	31%	28%	22%	15%	8%	3%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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