

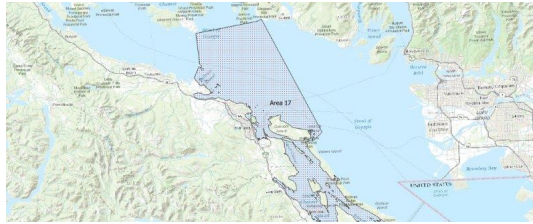
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 17 July 2023



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Friday 9<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.

		Brechin		Cowichan Bay		Crofton Ramp		French Ck	Ladysmith		McDonald Beach		Mill Bay	Schooner		Thunder-bird Marina	
Date	Day Type	AM	PM	AM	PM	AM	PM	AM	AM	PM	AM	PM	PM	AM	PM	AM	
28 Jun 2023	Midweek														4		
29 Jun 2023	Midweek									3			1				
30 Jun 2023	Midweek															5	
01 Jul 2023	Weekend									8							
02 Jul 2023	Weekend	7															
03 Jul 2023	Weekend			1					9								
04 Jul 2023	Midweek														4		
05 Jul 2023	Midweek	1															
06 Jul 2023	Midweek					1											
07 Jul 2023	Midweek								4		1						
08 Jul 2023	Weekend	14							3								
09 Jul 2023	Weekend														14		
10 Jul 2023	Midweek							2							1		
11 Jul 2023	Midweek					5											
12 Jul 2023	Midweek																
13 Jul 2023	Midweek																
14 Jul 2023	Midweek							1									
15 Jul 2023	Weekend								5						29		
16 Jul 2023	Weekend			1											1		
17 Jul 2023	Midweek	18															
18 Jul 2023	Midweek														6		
19 Jul 2023	Midweek			3													
20 Jul 2023	Midweek														10		
21 Jul 2023	Midweek	17							4								
22 Jul 2023	Weekend					4					1						
23 Jul 2023	Weekend								5				1				
24 Jul 2023	Midweek																
25 Jul 2023	Midweek																
26 Jul 2023	Midweek																
27 Jul 2023	Midweek							7							9		
28 Jul 2023	Midweek	31							3								
29 Jul 2023	Weekend										1				8		
30 Jul 2023	Weekend	22														14	
31 Jul 2023	Midweek								9								
01 Aug 2023	Midweek					7											
02 Aug 2023	Midweek														11		
03 Aug 2023	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-2023	Wednesday	choppy	4		8					
29-Jun-2023	Thursday	calm/rippled	3							
30-Jun-2023	Friday	calm/rippled	6	1	6			13	1120	38
01-Jul-2023	Saturday		0					27	1152	72
02-Jul-2023	Sunday	choppy	15					7	1128	18
03-Jul-2023	Monday (Canada Day)	choppy	10							
04-Jul-2023	Tuesday	choppy	4		8			5	1211	15
05-Jul-2023	Wednesday	choppy	2		2					
06-Jul-2023	Thursday	calm/rippled	1							
07-Jul-2023	Friday	choppy	5							
08-Jul-2023	Saturday	choppy	18	4	7			28	1226	91
09-Jul-2023	Sunday	choppy	23		13					
10-Jul-2023	Monday	frequent whitecaps	3		4			19	1220	55
11-Jul-2023	Tuesday	calm/rippled	5							
12-Jul-2023	Wednesday		0							
13-Jul-2023	Thursday		0							
14-Jul-2023	Friday	calm/rippled	2		3			36	1120	107
15-Jul-2023	Saturday	choppy	35	40	22			186	1133	484
16-Jul-2023	Sunday	choppy	3	5						
17-Jul-2023	Monday	frequent whitecaps	19	9	23					
18-Jul-2023	Tuesday	calm/rippled	9	6	19					
19-Jul-2023	Wednesday	calm/rippled	3	1				26	1155	76
20-Jul-2023	Thursday	calm/rippled	11	6	9					
21-Jul-2023	Friday	choppy	21	4	18					
22-Jul-2023	Saturday	frequent whitecaps	9	1	4			28	1219	87
23-Jul-2023	Sunday	choppy	6							
24-Jul-2023	Monday		0					1	1211	3
25-Jul-2023	Tuesday		0							
26-Jul-2023	Wednesday		2	5						
27-Jul-2023	Thursday	choppy	18	9	6					
28-Jul-2023	Friday	choppy	37	15	32					
29-Jul-2023	Saturday	choppy	9	7	13					
30-Jul-2023	Sunday	choppy	37	12	26					
31-Jul-2023	Monday	choppy	14	4	1					
01-Aug-2023	Tuesday	calm/rippled	7		2					
02-Aug-2023	Wednesday	choppy	15	4	18			41	1124	121
03-Aug-2023	Thursday		0							
	Totals	choppy	156	59	125			17*		51*
	Totals	choppy	165	69	85			55*		150*

\* 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	150	11	1650	0.418	0.515			690	850		
Midweek	51	20	1020	0.378	0.801			386	817		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2023	July	3274	984	2633		0
5-Yr Avg	July	2863	1161	301		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	2551	97%	10%	1532	96%	16%	248
Chinook	205	21%	27%	575	48%	10%	56

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	318	4%
iRec Anglers	5545	16%

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

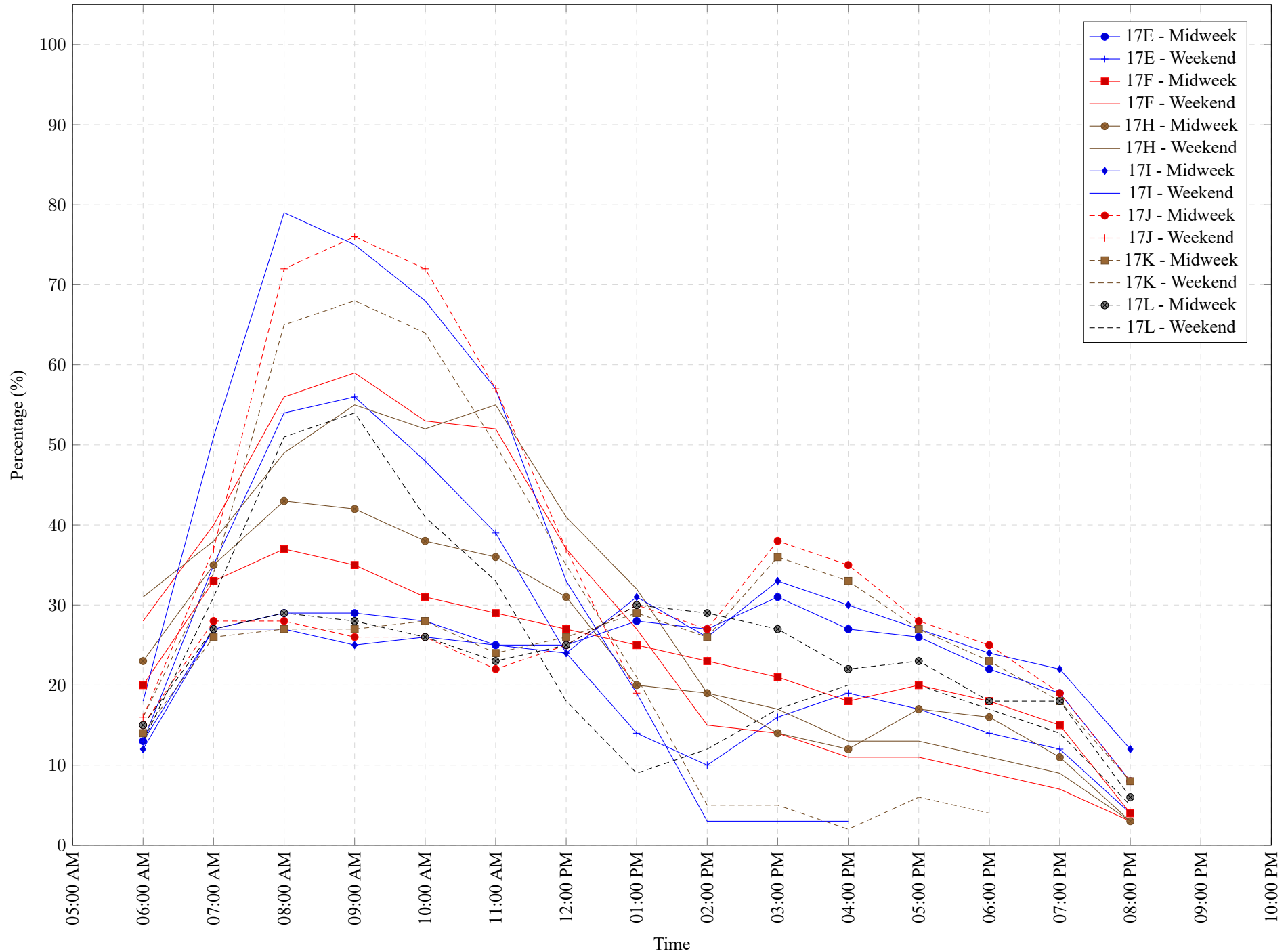


Table 7: Proportion of each day's fishing by hour.

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	13%	27%	29%	29%	28%	25%	25%	28%	27%	31%	27%	26%	22%	19%	8%	0%	0%
17E	Weekend	13%	35%	54%	56%	48%	39%	24%	14%	10%	16%	19%	17%	14%	12%	4%	0%	0%
17F	Midweek	20%	33%	37%	35%	31%	29%	27%	25%	23%	21%	18%	20%	18%	15%	4%	0%	0%
17F	Weekend	28%	40%	56%	59%	53%	52%	37%	27%	15%	14%	11%	11%	9%	7%	3%	0%	0%
17H	Midweek	23%	35%	43%	42%	38%	36%	31%	20%	19%	14%	12%	17%	16%	11%	3%	0%	0%
17H	Weekend	31%	38%	49%	55%	52%	55%	41%	32%	19%	17%	13%	13%	11%	9%	3%	0%	0%
17I	Midweek	12%	27%	27%	25%	26%	25%	24%	31%	26%	33%	30%	27%	24%	22%	12%	0%	0%
17I	Weekend	18%	51%	79%	75%	68%	57%	33%	19%	3%	3%	3%	0%	0%	0%	0%	0%	0%
17J	Midweek	15%	28%	28%	26%	26%	22%	25%	30%	27%	38%	35%	28%	25%	19%	8%	0%	0%
17J	Weekend	16%	37%	72%	76%	72%	57%	37%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%
17K	Midweek	14%	26%	27%	27%	28%	24%	26%	29%	26%	36%	33%	27%	23%	18%	8%	0%	0%
17K	Weekend	16%	34%	65%	68%	64%	50%	35%	21%	5%	5%	2%	6%	4%	0%	0%	0%	0%
17L	Midweek	15%	27%	29%	28%	26%	23%	25%	30%	29%	27%	22%	23%	18%	18%	6%	0%	0%
17L	Weekend	13%	31%	51%	54%	41%	33%	18%	9%	12%	17%	20%	20%	17%	14%	5%	0%	0%

Table 8: Daily Fishing Conditions.

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