

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 16 June 2023



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 8th February, 2024



Fisheries and Oceans
Canada

Pêches et Océans
Canada

**your
catch
counts**

The logo for 'Your Catch Counts' features the words 'your', 'catch', and 'counts' stacked vertically in a bold, blue, sans-serif font. To the right of the word 'catch' is a stylized blue silhouette of a fisherman holding a fishing rod.

Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

Date	Day Type	Brechin	Bucaneer	Cooper's Green	Egmont		Madeira	Pacific Play	Pender Harbour Resort	Porpoise Bay	
		PM	PM	AM	AM	PM	PM	PM	PM	AM	PM
29 May 2023	Midweek										
30 May 2023	Midweek										3
31 May 2023	Midweek										
01 Jun 2023	Midweek										
02 Jun 2023	Midweek										
03 Jun 2023	Weekend						1	1			
04 Jun 2023	Weekend										
05 Jun 2023	Midweek										1
06 Jun 2023	Midweek										
07 Jun 2023	Midweek			1							
08 Jun 2023	Midweek										
09 Jun 2023	Midweek										
10 Jun 2023	Weekend										
11 Jun 2023	Weekend										
12 Jun 2023	Midweek										
13 Jun 2023	Midweek										
14 Jun 2023	Midweek										
15 Jun 2023	Midweek										
16 Jun 2023	Midweek										
17 Jun 2023	Weekend										
18 Jun 2023	Weekend				2						
19 Jun 2023	Midweek	1									
20 Jun 2023	Midweek										1
21 Jun 2023	Midweek										
22 Jun 2023	Midweek						5				
23 Jun 2023	Midweek										
24 Jun 2023	Weekend		1								
25 Jun 2023	Weekend										2
26 Jun 2023	Midweek										
27 Jun 2023	Midweek								1		
28 Jun 2023	Midweek					2					
29 Jun 2023	Midweek									2	
30 Jun 2023	Midweek										
01 Jul 2023	Weekend					2					
02 Jul 2023	Weekend								4		
03 Jul 2023	Weekend										

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		1	69						
30-May-2023	Tuesday	choppy	3							
31-May-2023	Wednesday		0							
01-Jun-2023	Thursday		0							
02-Jun-2023	Friday		0							
03-Jun-2023	Saturday	choppy	2					6	1148	35
04-Jun-2023	Sunday		0							
05-Jun-2023	Monday	frequent whitecaps	1					28	0938	3014
06-Jun-2023	Tuesday		0							
07-Jun-2023	Wednesday	calm/rippled	1							
08-Jun-2023	Thursday		0					8	1132	17
09-Jun-2023	Friday		0							
10-Jun-2023	Saturday		0							
11-Jun-2023	Sunday		0					19	1120	120
12-Jun-2023	Monday		0							
13-Jun-2023	Tuesday		0							
14-Jun-2023	Wednesday		0							
15-Jun-2023	Thursday		0					10	1153	22
16-Jun-2023	Friday		1	2						
17-Jun-2023	Saturday		0					9	1152	50
18-Jun-2023	Sunday	calm/rippled	2							
19-Jun-2023	Monday	calm/rippled	1							
20-Jun-2023	Tuesday	choppy	3							
21-Jun-2023	Wednesday		2							
22-Jun-2023	Thursday	calm/rippled	8		1					
23-Jun-2023	Friday		0							
24-Jun-2023	Saturday	frequent whitecaps	1		1			18	1145	90
25-Jun-2023	Sunday	choppy	3							
26-Jun-2023	Monday		0							
27-Jun-2023	Tuesday	calm/rippled	3							
28-Jun-2023	Wednesday	choppy	4							
29-Jun-2023	Thursday	choppy	4					4	1213	9
30-Jun-2023	Friday		0							
01-Jul-2023	Saturday	choppy	2					19	1230	57
02-Jul-2023	Sunday	calm/rippled	4		1			36	1241	108
03-Jul-2023	Monday (Canada Day)		0							
	Totals	choppy	28	2	1			13*		766*
	Totals	choppy	8		1			13*		74*

* 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	74	8	592		0.125				74			
Midweek	766	22	16852	0.071	0.036			1196	607			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	June	1329	736	33		
2019	June	726		13		
2020	June	916				
2021	June	2337	512	22		0
2022	June	851	330			88
2023	June	1031	2	145		0
5-Yr Avg	June	1232	526	23		44

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	61	42%	26%	99	93%	16%	16
Chinook	2	100%	300%	119	100%	5%	6

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	33	1%
iRec Anglers	1794	8%

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

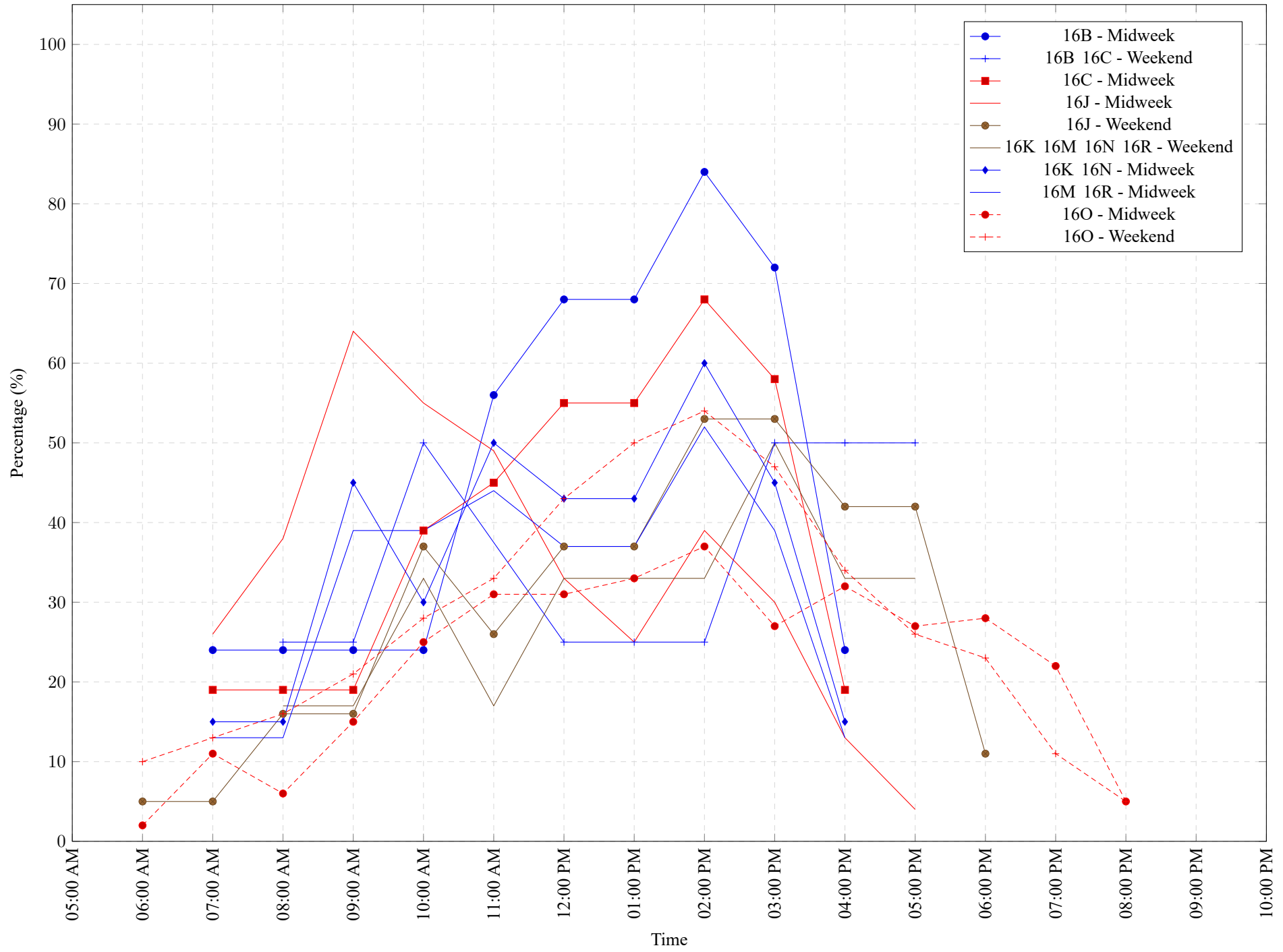


Table 7: Proportion of each day's fishing by hour.

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
16B	Midweek	0%	24%	24%	24%	24%	56%	68%	68%	84%	72%	24%	0%	0%	0%	0%	0%	0%
16B 16C	Weekend	0%	0%	25%	25%	50%	0%	25%	25%	25%	50%	50%	50%	0%	0%	0%	0%	0%
16C	Midweek	0%	19%	19%	19%	39%	45%	55%	55%	68%	58%	19%	0%	0%	0%	0%	0%	0%
16J	Midweek	0%	26%	38%	64%	55%	49%	33%	25%	39%	30%	13%	4%	0%	0%	0%	0%	0%
16J	Weekend	5%	5%	16%	16%	37%	26%	37%	37%	53%	53%	42%	42%	11%	0%	0%	0%	0%
16K 16M 16N 16R	Weekend	0%	0%	17%	17%	33%	17%	33%	33%	33%	50%	33%	33%	0%	0%	0%	0%	0%
16K 16N	Midweek	0%	15%	15%	45%	30%	50%	43%	43%	60%	45%	15%	0%	0%	0%	0%	0%	0%
16M 16R	Midweek	0%	13%	13%	39%	39%	44%	37%	37%	52%	39%	13%	0%	0%	0%	0%	0%	0%
16O	Midweek	2%	11%	6%	15%	25%	31%	31%	33%	37%	27%	32%	27%	28%	22%	5%	0%	0%
16O	Weekend	10%	13%	16%	21%	28%	33%	43%	50%	54%	47%	34%	26%	23%	11%	5%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Brechin	Bucaneer	Cooper's Green	Egmont	Madeira	Pacific Play	Pender Harbour Resort	Porpoise Bay
29 May 2023	Midweek								
30 May 2023	Midweek								choppy
31 May 2023	Midweek								
01 Jun 2023	Midweek								
02 Jun 2023	Midweek								
03 Jun 2023	Weekend					calm/rippled	choppy		
04 Jun 2023	Weekend								
05 Jun 2023	Midweek								frequent whitecaps
06 Jun 2023	Midweek								
07 Jun 2023	Midweek			calm/rippled					
08 Jun 2023	Midweek								
09 Jun 2023	Midweek								
10 Jun 2023	Weekend								
11 Jun 2023	Weekend								
12 Jun 2023	Midweek								
13 Jun 2023	Midweek								
14 Jun 2023	Midweek								
15 Jun 2023	Midweek								
16 Jun 2023	Midweek								
17 Jun 2023	Weekend								
18 Jun 2023	Weekend				calm/rippled				
19 Jun 2023	Midweek	calm/rippled							
20 Jun 2023	Midweek								choppy
21 Jun 2023	Midweek								
22 Jun 2023	Midweek					calm/rippled			
23 Jun 2023	Midweek								
24 Jun 2023	Weekend		frequent whitecaps						
25 Jun 2023	Weekend								choppy
26 Jun 2023	Midweek								
27 Jun 2023	Midweek							calm/rippled	
28 Jun 2023	Midweek				choppy				
29 Jun 2023	Midweek								choppy
30 Jun 2023	Midweek								
01 Jul 2023	Weekend				choppy				
02 Jul 2023	Weekend							calm/rippled	
03 Jul 2023	Weekend								