

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 16 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.

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

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							
30-Apr-2023	Sunday		0							
01-May-2023	Monday		0							
02-May-2023	Tuesday		0							
03-May-2023	Wednesday		1							
04-May-2023	Thursday		0							
05-May-2023	Friday		0							
06-May-2023	Saturday		1					10	1310	18
07-May-2023	Sunday	calm/rippled	1							
08-May-2023	Monday	calm/rippled	2							
09-May-2023	Tuesday		0							
10-May-2023	Wednesday	calm/rippled	1							
11-May-2023	Thursday	calm/rippled	1							
12-May-2023	Friday		0					4	1255	12
13-May-2023	Saturday	calm/rippled	5					20	1243	39
14-May-2023	Sunday	calm/rippled	1							
15-May-2023	Monday		0							
16-May-2023	Tuesday		0							
17-May-2023	Wednesday	calm/rippled	2							
18-May-2023	Thursday	calm/rippled	1					7	1243	19
19-May-2023	Friday		0							
20-May-2023	Saturday		0					15	1251	28
21-May-2023	Sunday	calm/rippled	2							
22-May-2023	Monday		0							
	(Victoria Day)									
23-May-2023	Tuesday		1	1				6	1234	18
24-May-2023	Wednesday		0							
25-May-2023	Thursday	calm/rippled	3	3						
26-May-2023	Friday		2							
27-May-2023	Saturday	choppy	5							
28-May-2023	Sunday	choppy	2							
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	12
	Totals	calm/rippled	18	73				6*		16*
	Totals	calm/rippled	17					15*		28*

* 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	16	22	352	4.056				1428			
Weekend	28	9	252								

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	May	1033	1385			
2019	May	561				
2020	May	650				
2021	May	817	114			
2022	May	611	161	0		0
2023	May	484	4			0
5-Yr Avg	May	734	553	0		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
Chinook	4	100%	200%	89	100%	9%	8

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	33	1%
iRec Anglers	1078	9%

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

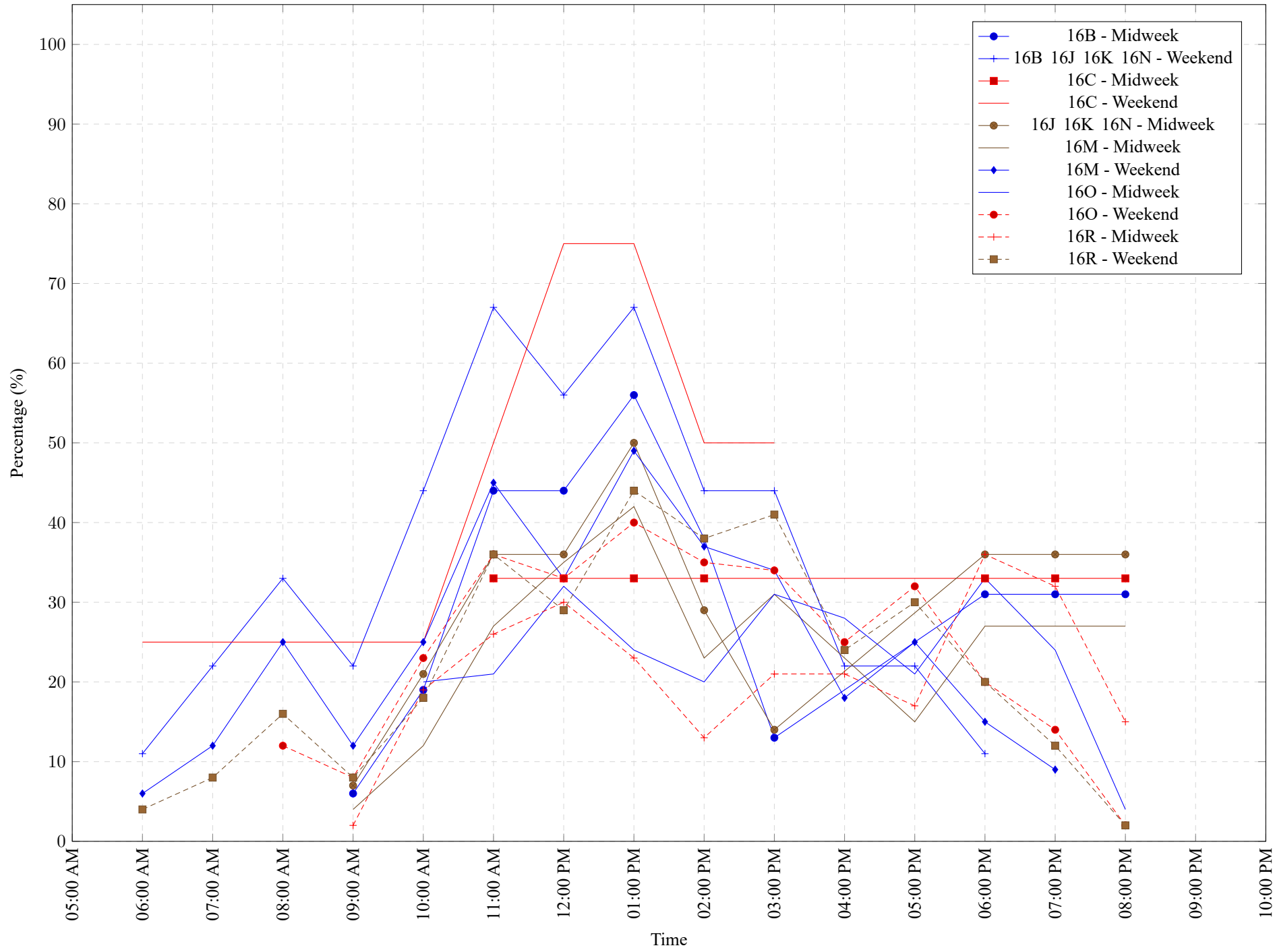


Table 7: Proportion of each day's fishing by hour.

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
16B		Midweek	0%	0%	0%	6%	19%	44%	44%	56%	38%	13%	0%	0%	31%	31%	31%	0%	0%
16B	16J 16K 16N	Weekend	11%	22%	33%	22%	44%	67%	56%	67%	44%	44%	22%	22%	11%	0%	0%	0%	0%
16C		Midweek	0%	0%	0%	0%	0%	33%	33%	33%	33%	0%	0%	0%	33%	33%	33%	0%	0%
16C		Weekend	25%	25%	25%	0%	25%	50%	75%	75%	50%	50%	0%	0%	0%	0%	0%	0%	0%
16J	16K 16N	Midweek	0%	0%	0%	7%	21%	36%	36%	50%	29%	14%	0%	0%	36%	36%	36%	0%	0%
16M		Midweek	0%	0%	0%	4%	12%	27%	35%	42%	23%	31%	23%	15%	27%	27%	27%	0%	0%
16M		Weekend	6%	12%	25%	12%	25%	45%	33%	49%	37%	34%	18%	25%	15%	9%	0%	0%	0%
16O		Midweek	0%	0%	0%	0%	20%	21%	32%	24%	20%	31%	28%	21%	33%	24%	4%	0%	0%
16O		Weekend	0%	0%	12%	8%	23%	36%	33%	40%	35%	34%	25%	32%	20%	14%	2%	0%	0%
16R		Midweek	0%	0%	0%	2%	19%	26%	30%	23%	13%	21%	21%	17%	36%	32%	15%	0%	0%
16R		Weekend	4%	8%	16%	8%	18%	36%	29%	44%	38%	41%	24%	30%	20%	12%	2%	0%	0%

Table 8: Daily Fishing Conditions.

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