

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 16 June 2021



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*Prepared By:*

South Coast Salmon Stock Assessment Section

Saturday 5<sup>th</sup> February, 2022



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Canada

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

		Bucaneer	Egmont	French Ck	Lund	Madeira		Pender Harbour Resort		Porpoise Bay		Saltery Bay	Westview
Date	Day Type	PM	PM	PM	PM	AM	PM	AM	PM	AM	PM	AM	PM
29 May 2021	Weekend												
30 May 2021	Weekend												
31 May 2021	Midweek			1									
01 Jun 2021	Midweek												
02 Jun 2021	Midweek	1											
03 Jun 2021	Midweek						2						
04 Jun 2021	Midweek												
05 Jun 2021	Weekend	1											
06 Jun 2021	Weekend										1		
07 Jun 2021	Midweek												
08 Jun 2021	Midweek												
09 Jun 2021	Midweek		1										
10 Jun 2021	Midweek												
11 Jun 2021	Midweek												1
12 Jun 2021	Weekend												
13 Jun 2021	Weekend												
14 Jun 2021	Midweek												
15 Jun 2021	Midweek												
16 Jun 2021	Midweek												
17 Jun 2021	Midweek												
18 Jun 2021	Midweek							2					
19 Jun 2021	Weekend						3					2	
20 Jun 2021	Weekend								2				
21 Jun 2021	Midweek												
22 Jun 2021	Midweek												
23 Jun 2021	Midweek												
24 Jun 2021	Midweek					2							
25 Jun 2021	Midweek												
26 Jun 2021	Weekend									1			1
27 Jun 2021	Weekend		3		1								
28 Jun 2021	Midweek												
29 Jun 2021	Midweek												
30 Jun 2021	Midweek												
01 Jul 2021	Weekend								4				
02 Jul 2021	Midweek												
03 Jul 2021	Weekend		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
29-May-2021	Saturday		3	2						
30-May-2021	Sunday		2							
31-May-2021	Monday	calm/rippled	2	2						
01-Jun-2021	Tuesday		0					17	1226	75
02-Jun-2021	Wednesday	calm/rippled	2							
03-Jun-2021	Thursday	calm/rippled	2							
04-Jun-2021	Friday		0							
05-Jun-2021	Saturday	choppy	2	2				14	1232	48
06-Jun-2021	Sunday	choppy	1		1					
07-Jun-2021	Monday		0							
08-Jun-2021	Tuesday		0					22	1224	97
09-Jun-2021	Wednesday	choppy	2	3						
10-Jun-2021	Thursday		0							
11-Jun-2021	Friday	choppy	1							
12-Jun-2021	Saturday		2	3						
13-Jun-2021	Sunday		0					7	1219	23
14-Jun-2021	Monday		0							
15-Jun-2021	Tuesday		0							
16-Jun-2021	Wednesday		0					23	1225	102
17-Jun-2021	Thursday		0							
18-Jun-2021	Friday	choppy	3	2				17	1231	74
19-Jun-2021	Saturday	calm/rippled	7	4				40	1225	137
20-Jun-2021	Sunday	choppy	2	3						
21-Jun-2021	Monday		0							
22-Jun-2021	Tuesday		0							
23-Jun-2021	Wednesday		0					18	1224	80
24-Jun-2021	Thursday	calm/rippled	2							
25-Jun-2021	Friday		0							
26-Jun-2021	Saturday	calm/rippled	3	1				50	1224	171
27-Jun-2021	Sunday	calm/rippled	6	4						
28-Jun-2021	Monday		0					4	1215	17
29-Jun-2021	Tuesday		0							
30-Jun-2021	Wednesday		0							
01-Jul-2021	Thursday (Canada Day)	calm/rippled	6	1						
02-Jul-2021	Friday		1	1				34	1133	95
03-Jul-2021	Saturday	frequent whitecaps	2	4				33	1125	169
	Totals	choppy	12	5				17*		74*
	Totals	choppy	23	17	1			28*		95*

\* 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	74	22	1628	0.417				679			
Weekend	95	8	760	0.739	0.043			562	33		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	June	1389	688	94		
2017	June	1294	316			
2018	June	1329	736	33		
2019	June	726		13		
2020	June	916				
2021	June	2337	512	22		0
5-Yr Avg	June	1131	580	47		

**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	64	13%	17%	116	32%	9%	11

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	34	4%
iRec Anglers	1935	5%

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

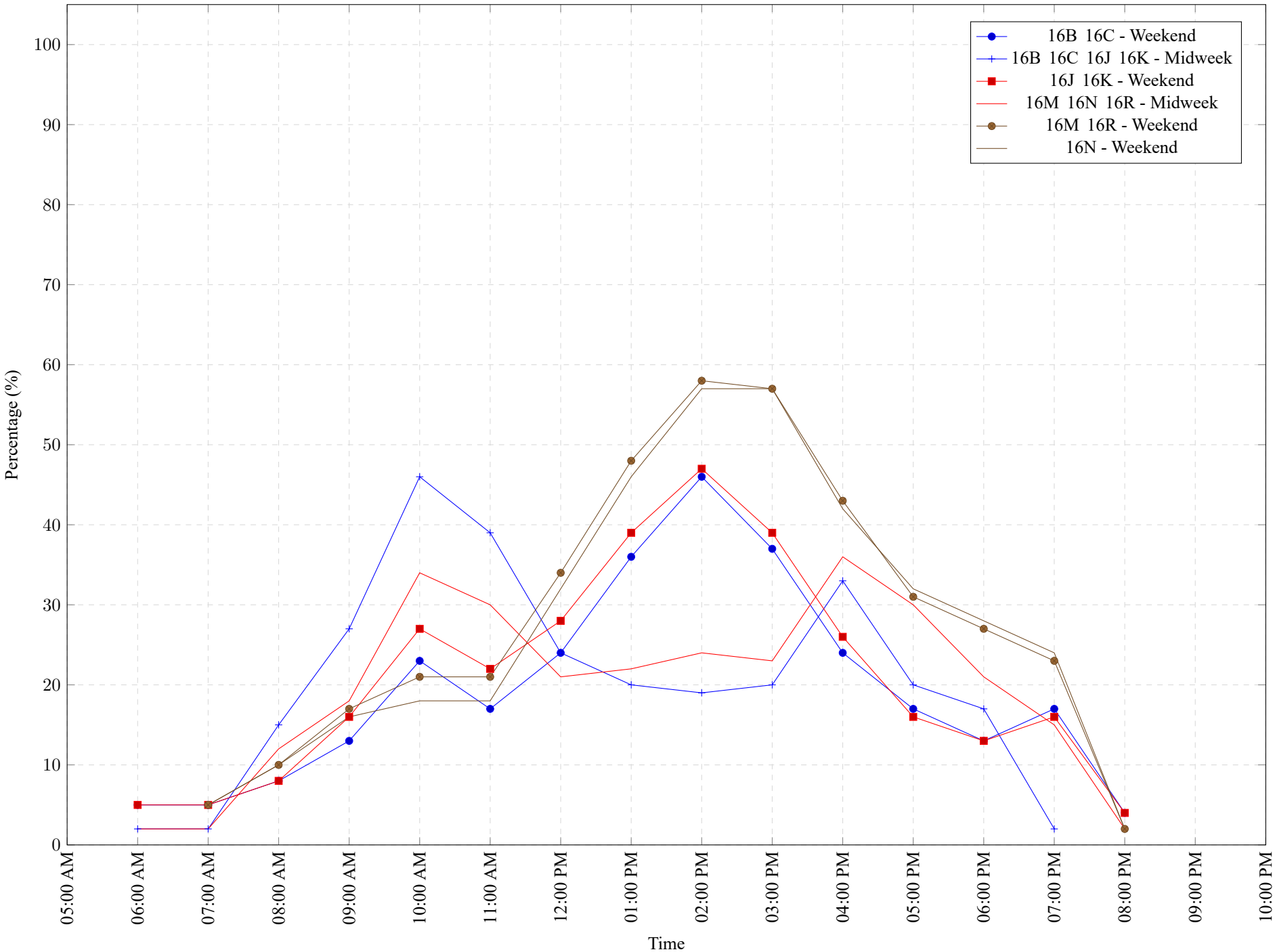


Table 7: Proportion of each day's fishing by hour.

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 16C	Weekend	5%	5%	8%	13%	23%	17%	24%	36%	46%	37%	24%	17%	13%	17%	4%	0%	0%
16B 16C 16J 16K	Midweek	2%	2%	15%	27%	46%	39%	24%	20%	19%	20%	33%	20%	17%	2%	0%	0%	0%
16J 16K	Weekend	5%	5%	8%	16%	27%	22%	28%	39%	47%	39%	26%	16%	13%	16%	4%	0%	0%
16M 16N 16R	Midweek	2%	2%	12%	18%	34%	30%	21%	22%	24%	23%	36%	30%	21%	15%	2%	0%	0%
16M 16R	Weekend	0%	5%	10%	17%	21%	21%	34%	48%	58%	57%	43%	31%	27%	23%	2%	0%	0%
16N	Weekend	0%	5%	10%	16%	18%	18%	32%	46%	57%	57%	42%	32%	28%	24%	2%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	Bucaneer	Egmont	French Ck	Lund	Madeira	Pender Harbour Resort	Porpoise Bay	Saltery Bay	Westview									
29 May 2021	Weekend																		
30 May 2021	Weekend																		
31 May 2021	Midweek										calm/rippled								
01 Jun 2021	Midweek																		
02 Jun 2021	Midweek	calm/rippled																	
03 Jun 2021	Midweek						calm/rippled												
04 Jun 2021	Midweek																		
05 Jun 2021	Weekend	choppy							choppy										
06 Jun 2021	Weekend																		
07 Jun 2021	Midweek																		
08 Jun 2021	Midweek																		
09 Jun 2021	Midweek	choppy																	
10 Jun 2021	Midweek																		
11 Jun 2021	Midweek	choppy																	
12 Jun 2021	Weekend																		
13 Jun 2021	Weekend																		
14 Jun 2021	Midweek																		
15 Jun 2021	Midweek																		
16 Jun 2021	Midweek																		
17 Jun 2021	Midweek																		
18 Jun 2021	Midweek							choppy											
19 Jun 2021	Weekend						calm/rippled	calm/rippled											
20 Jun 2021	Weekend						choppy												
21 Jun 2021	Midweek																		
22 Jun 2021	Midweek																		
23 Jun 2021	Midweek																		
24 Jun 2021	Midweek						calm/rippled												
25 Jun 2021	Midweek																		
26 Jun 2021	Weekend							calm/rippled		calm/rippled									
27 Jun 2021	Weekend	calm/rippled	calm/rippled																
28 Jun 2021	Midweek																		
29 Jun 2021	Midweek																		
30 Jun 2021	Midweek	calm/rippled																	
01 Jul 2021	Weekend																		
02 Jul 2021	Midweek																		
03 Jul 2021	Weekend										frequent whitecaps								