

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 16 July 2020



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Tuesday 2<sup>nd</sup> February, 2021



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Canada



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

Date	Day Type	Bucaneer		Cooper's Green		Egmont		French Ck	Madeira		Pender Harbour Resort		Saltery Bay		Westview
		AM	PM	AM	PM	AM	PM	PM	AM	PM	AM	PM	AM	PM	AM
28 Jun 2020	Weekend														
29 Jun 2020	Midweek														
30 Jun 2020	Midweek														
01 Jul 2020	Weekend													2	
02 Jul 2020	Midweek	1													
03 Jul 2020	Midweek														
04 Jul 2020	Weekend		7												
05 Jul 2020	Weekend						5								
06 Jul 2020	Midweek													1	
07 Jul 2020	Midweek														
08 Jul 2020	Midweek										2				
09 Jul 2020	Midweek		1												
10 Jul 2020	Midweek									1					
11 Jul 2020	Weekend														
12 Jul 2020	Weekend				6									2	
13 Jul 2020	Midweek														
14 Jul 2020	Midweek														
15 Jul 2020	Midweek													2	
16 Jul 2020	Midweek			1											
17 Jul 2020	Midweek														
18 Jul 2020	Weekend							1			11				
19 Jul 2020	Weekend								9				1		
20 Jul 2020	Midweek														
21 Jul 2020	Midweek												3		
22 Jul 2020	Midweek											5			
23 Jul 2020	Midweek		5												
24 Jul 2020	Midweek									9					
25 Jul 2020	Weekend	1													
26 Jul 2020	Weekend								2						
27 Jul 2020	Midweek														1
28 Jul 2020	Midweek														
29 Jul 2020	Midweek														
30 Jul 2020	Midweek				5										
31 Jul 2020	Midweek					2									
01 Aug 2020	Weekend				3										
02 Aug 2020	Weekend									3				3	
03 Aug 2020	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
28-Jun-2020	Sunday		0							
29-Jun-2020	Monday		0					7	1202	28
30-Jun-2020	Tuesday		0							
01-Jul-2020	Wednesday (Canada Day)	choppy	2					13	1117	30
02-Jul-2020	Thursday	frequent whitecaps	1							
03-Jul-2020	Friday		0					5	1110	19
04-Jul-2020	Saturday	calm/rippled	7		1			42	1111	98
05-Jul-2020	Sunday	calm/rippled	5					17	1112	40
06-Jul-2020	Monday	choppy	1							
07-Jul-2020	Tuesday		0					0	1101	0
08-Jul-2020	Wednesday	choppy	2							
09-Jul-2020	Thursday	choppy	1							
10-Jul-2020	Friday	choppy	1							
11-Jul-2020	Saturday		0					6	1118	14
12-Jul-2020	Sunday	choppy	8	1	2					
13-Jul-2020	Monday		0							
14-Jul-2020	Tuesday		0							
15-Jul-2020	Wednesday	choppy	2	1				93	1105	348
16-Jul-2020	Thursday	choppy	1	1						
17-Jul-2020	Friday		0					32	1104	119
18-Jul-2020	Saturday	choppy	12	3				83	1104	197
19-Jul-2020	Sunday	choppy	11	3						
20-Jul-2020	Monday		0							
21-Jul-2020	Tuesday	choppy	3	1				30	1103	112
22-Jul-2020	Wednesday	frequent whitecaps	5	6						
23-Jul-2020	Thursday	frequent whitecaps	5	4						
24-Jul-2020	Friday	calm/rippled	9	5						
25-Jul-2020	Saturday	calm/rippled	1	2				66	1106	154
26-Jul-2020	Sunday	calm/rippled	2							
27-Jul-2020	Monday	choppy	1							
28-Jul-2020	Tuesday		0					31	1055	115
29-Jul-2020	Wednesday		0							
30-Jul-2020	Thursday	choppy	5							
31-Jul-2020	Friday	calm/rippled	2	3						
01-Aug-2020	Saturday	choppy	3					55	0957	169
02-Aug-2020	Sunday	choppy	6	2						
03-Aug-2020	Monday (B.C. Day)		0							
	Totals	choppy	39	21				32*		119*
	Totals	choppy	48	9	3			38*		89*

\* 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	89	9	801	0.1880	0.0630			151	50		
Midweek	119	22	2618	0.5380				1408			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	July	2757	1155	245		
2016	July	2599	711	299		
2017	July	5102	899	129		
2018	July	3289	1797	298		
2019	July	2613	1066	167		
2020	July	3636	1540	93		0
5-Yr Avg	July	3272	1126	228		

**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
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**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	86	6%
iRec Anglers	5661	5%

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

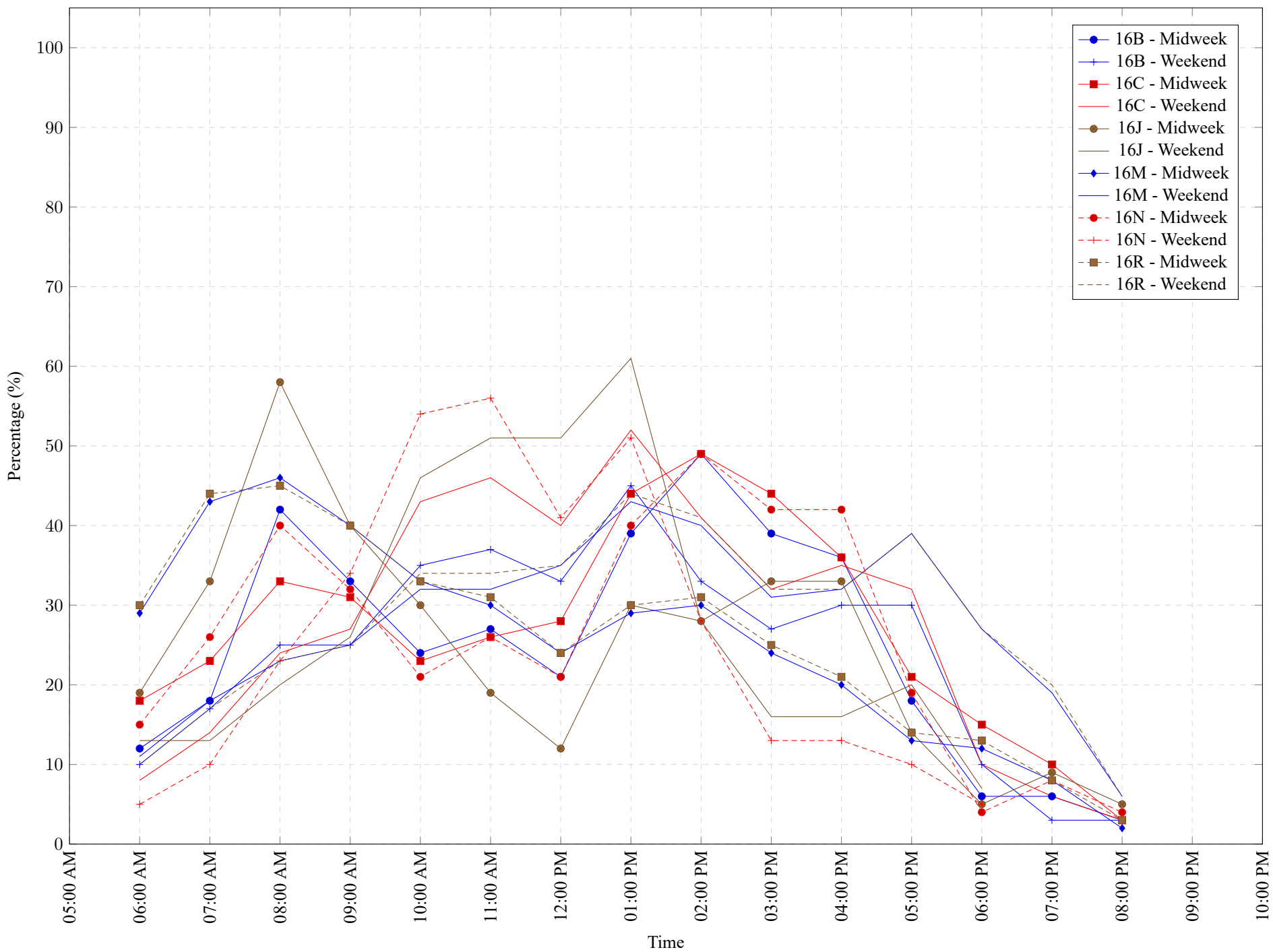


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00 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	12%	18%	42%	33%	24%	27%	21%	39%	49%	39%	36%	18%	6%	6%	3%	0%	0%
16B	Weekend	10%	17%	25%	25%	35%	37%	33%	45%	33%	27%	30%	30%	10%	3%	3%	0%	0%
16C	Midweek	18%	23%	33%	31%	23%	26%	28%	44%	49%	44%	36%	21%	15%	10%	3%	0%	0%
16C	Weekend	8%	14%	24%	27%	43%	46%	40%	52%	41%	32%	35%	32%	10%	6%	3%	0%	0%
16J	Midweek	19%	33%	58%	40%	30%	19%	12%	30%	28%	33%	33%	14%	5%	9%	5%	0%	0%
16J	Weekend	13%	13%	20%	26%	46%	51%	51%	61%	28%	16%	16%	20%	7%	0%	0%	0%	0%
16M	Midweek	29%	43%	46%	40%	33%	30%	24%	29%	30%	24%	20%	13%	12%	8%	2%	0%	0%
16M	Weekend	11%	18%	23%	25%	32%	32%	35%	43%	40%	31%	32%	39%	27%	19%	6%	0%	0%
16N	Midweek	15%	26%	40%	32%	21%	26%	21%	40%	49%	42%	42%	19%	4%	8%	4%	0%	0%
16N	Weekend	5%	10%	23%	34%	54%	56%	41%	51%	28%	13%	13%	10%	5%	0%	0%	0%	0%
16R	Midweek	30%	44%	45%	40%	33%	31%	24%	30%	31%	25%	21%	14%	13%	8%	3%	0%	0%
16R	Weekend	10%	17%	23%	25%	34%	34%	35%	44%	41%	32%	32%	39%	27%	20%	6%	0%	0%

*Table 8: Daily Fishing Conditions.*

Date	Day Type	Bucaneer	Cooper's Green	Egmont	French Ck	Madeira	Pender Harbour Resort	Saltery Bay	Westview
28 Jun 2020	Weekend								
29 Jun 2020	Midweek								
30 Jun 2020	Midweek								
01 Jul 2020	Weekend							choppy	
02 Jul 2020	Midweek	frequent whitecaps							
03 Jul 2020	Midweek								
04 Jul 2020	Weekend	calm/rippled							
05 Jul 2020	Weekend			calm/rippled					
06 Jul 2020	Midweek							choppy	
07 Jul 2020	Midweek								
08 Jul 2020	Midweek						choppy		
09 Jul 2020	Midweek	choppy							
10 Jul 2020	Midweek					choppy			
11 Jul 2020	Weekend								
12 Jul 2020	Weekend		choppy					frequent whitecaps	
13 Jul 2020	Midweek								
14 Jul 2020	Midweek								
15 Jul 2020	Midweek							choppy	
16 Jul 2020	Midweek		choppy						
17 Jul 2020	Midweek								
18 Jul 2020	Weekend				choppy		choppy		
19 Jul 2020	Weekend					choppy		choppy	
20 Jul 2020	Midweek								
21 Jul 2020	Midweek							choppy	
22 Jul 2020	Midweek						frequent whitecaps		
23 Jul 2020	Midweek	frequent whitecaps							
24 Jul 2020	Midweek					calm/rippled			
25 Jul 2020	Weekend	calm/rippled							
26 Jul 2020	Weekend					calm/rippled			
27 Jul 2020	Midweek								choppy
28 Jul 2020	Midweek								
29 Jul 2020	Midweek								
30 Jul 2020	Midweek		choppy						
31 Jul 2020	Midweek			calm/rippled					
01 Aug 2020	Weekend		choppy						
02 Aug 2020	Weekend					choppy		calm/rippled	
03 Aug 2020	Weekend								