

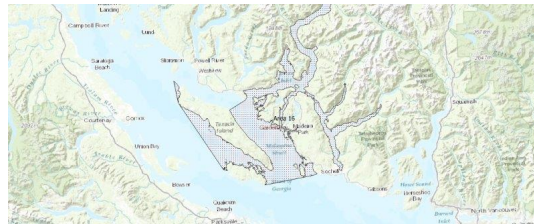
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 16 August 2021



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Friday 11<sup>th</sup> February, 2022



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

		Bucaneer	Cooper's Green		Egmont		Gibson's	Lund	Madeira		McDon-ald Beach	Pender Harbour Resort		Porpoise Bay		Saltery Bay		Schooner
Date	Day Type	PM	AM	PM	AM	PM	PM	AM	AM	PM	AM	AM	PM	AM	PM	AM	PM	PM
29 Jul 2021	Midweek			3														
30 Jul 2021	Midweek														1			
31 Jul 2021	Weekend	4																
01 Aug 2021	Weekend														4			1
02 Aug 2021	Weekend																	
03 Aug 2021	Midweek																	
04 Aug 2021	Midweek																	
05 Aug 2021	Midweek					1										1		
06 Aug 2021	Midweek									3								
07 Aug 2021	Weekend															1		
08 Aug 2021	Weekend																	
09 Aug 2021	Midweek																	
10 Aug 2021	Midweek																	
11 Aug 2021	Midweek																	
12 Aug 2021	Midweek											2						
13 Aug 2021	Midweek						1									2		
14 Aug 2021	Weekend	2								1								
15 Aug 2021	Weekend					2												
16 Aug 2021	Midweek																3	
17 Aug 2021	Midweek																	
18 Aug 2021	Midweek								1									
19 Aug 2021	Midweek			4														
20 Aug 2021	Midweek	3																
21 Aug 2021	Weekend											7					5	
22 Aug 2021	Weekend									3								
23 Aug 2021	Midweek															1		
24 Aug 2021	Midweek																	
25 Aug 2021	Midweek											1						
26 Aug 2021	Midweek																	
27 Aug 2021	Midweek															1		
28 Aug 2021	Weekend					2		2										
29 Aug 2021	Weekend												2			1	2	
30 Aug 2021	Midweek																	
31 Aug 2021	Midweek																	
01 Sep 2021	Midweek																	
02 Sep 2021	Midweek																	
03 Sep 2021	Midweek		1														4	

*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-Jul-2021	Thursday	choppy	3	2						
30-Jul-2021	Friday	choppy	1							
31-Jul-2021	Saturday	choppy	5	4						
01-Aug-2021	Sunday	choppy	7	2						
02-Aug-2021	Monday (B.C. Day)		2	3				50	1130	119
03-Aug-2021	Tuesday		0							
04-Aug-2021	Wednesday		1	2						
05-Aug-2021	Thursday	choppy	2					16	1141	65
06-Aug-2021	Friday	choppy	4	3						
07-Aug-2021	Saturday	choppy	1	1				7	1109	17
08-Aug-2021	Sunday		0					49	1116	116
09-Aug-2021	Monday		0					27	1052	95
10-Aug-2021	Tuesday		0							
11-Aug-2021	Wednesday		0							
12-Aug-2021	Thursday	choppy	2							
13-Aug-2021	Friday	calm/rippled	5	3				41	1125	168
14-Aug-2021	Saturday	choppy	3	1				69	1129	163
15-Aug-2021	Sunday	frequent whitecaps	2							
16-Aug-2021	Monday	choppy	3							
17-Aug-2021	Tuesday		0							
18-Aug-2021	Wednesday	calm/rippled	2	2				40	1102	153
19-Aug-2021	Thursday	frequent whitecaps	5	3						
20-Aug-2021	Friday	choppy	3	2						
21-Aug-2021	Saturday	choppy	14	4						
22-Aug-2021	Sunday	frequent whitecaps	3	1				25	1113	60
23-Aug-2021	Monday	calm/rippled	1							
24-Aug-2021	Tuesday		0					23	1127	95
25-Aug-2021	Wednesday	calm/rippled	1							
26-Aug-2021	Thursday		0							
27-Aug-2021	Friday	choppy	1							
28-Aug-2021	Saturday	calm/rippled	6	3				67	1117	160
29-Aug-2021	Sunday	calm/rippled	7	2						
30-Aug-2021	Monday		0					11	1121	44
31-Aug-2021	Tuesday		0							
01-Sep-2021	Wednesday		0							
02-Sep-2021	Thursday		0					24	1215	119
03-Sep-2021	Friday	calm/rippled	5	4						
	Totals	choppy	30	15				26*		103*
	Totals	choppy	45	17				45*		106*

\* 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	103	21	2163	0.5				1082			
Weekend	106	10	1060	0.378				401			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	August	2317	446			
2017	August	3862	500	72		
2018	August	2444	982	269	32	
2019	August	2960	492	33		0
2020	August	2606	639	109		0
2021	August	3568	972			0
5-Yr Avg	August	2838	612	121	32	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		%		128	75%	1%	1
Chinook	215	22%	7%	279	26%	6%	16

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	75	5%
iRec Anglers	6755	9%

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

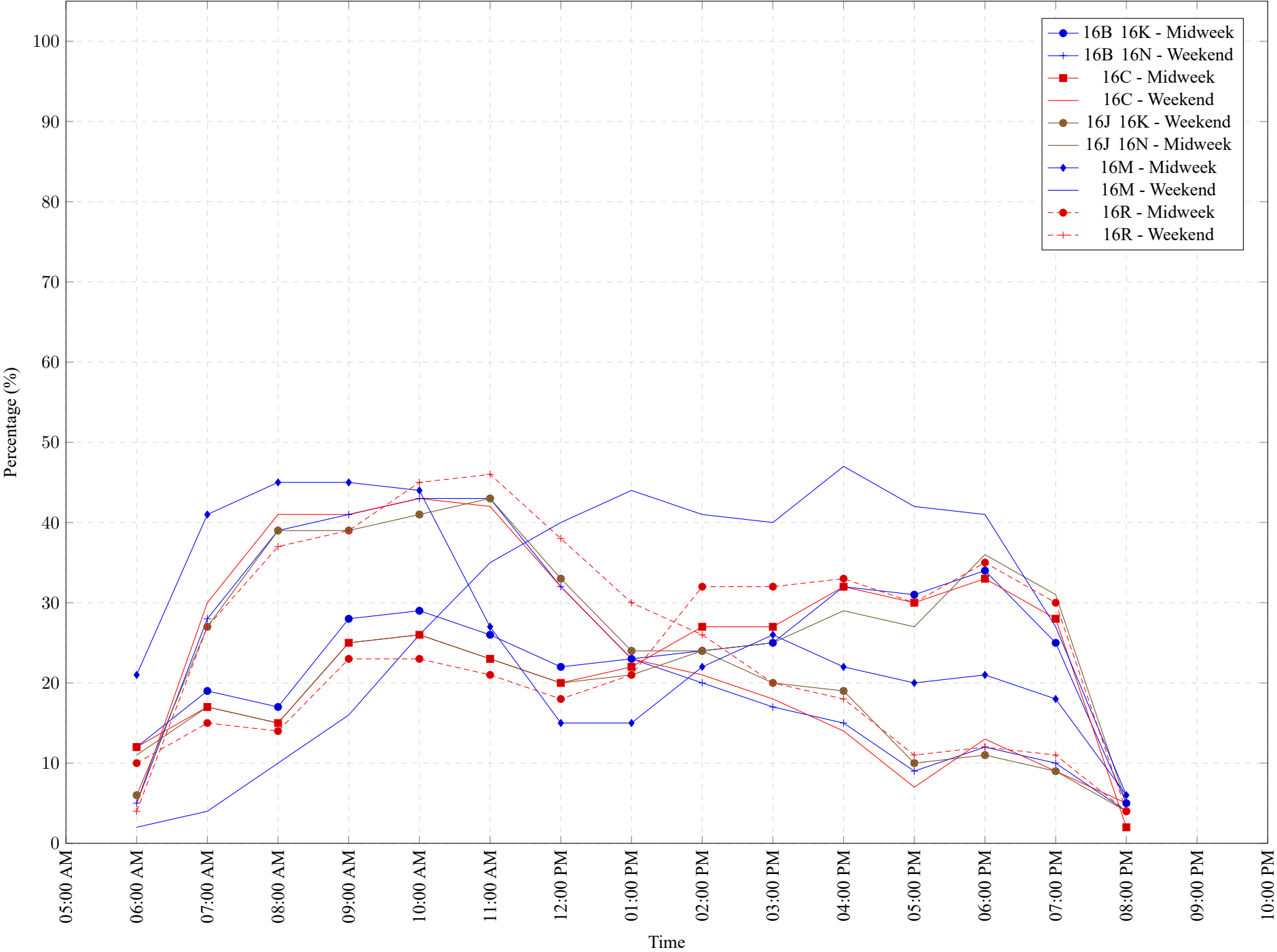


Table 7: Proportion of each day's fishing by hour.

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 16K	Midweek	12%	19%	17%	28%	29%	26%	22%	23%	24%	25%	32%	31%	34%	25%	5%	0%	0%
16B 16N	Weekend	5%	28%	39%	41%	43%	43%	32%	23%	20%	17%	15%	9%	12%	10%	4%	0%	0%
16C	Midweek	12%	17%	15%	25%	26%	23%	20%	22%	27%	27%	32%	30%	33%	28%	2%	0%	0%
16C	Weekend	5%	30%	41%	41%	43%	42%	32%	23%	21%	18%	14%	7%	13%	9%	5%	0%	0%
16J 16K	Weekend	6%	27%	39%	39%	41%	43%	33%	24%	24%	20%	19%	10%	11%	9%	4%	0%	0%
16J 16N	Midweek	11%	17%	15%	25%	26%	23%	20%	21%	24%	25%	29%	27%	36%	31%	5%	0%	0%
16M	Midweek	21%	41%	45%	45%	44%	27%	15%	15%	22%	26%	22%	20%	21%	18%	6%	0%	0%
16M	Weekend	2%	4%	10%	16%	26%	35%	40%	44%	41%	40%	47%	42%	41%	27%	6%	0%	0%
16R	Midweek	10%	15%	14%	23%	23%	21%	18%	21%	32%	32%	33%	30%	35%	30%	4%	0%	0%
16R	Weekend	4%	27%	37%	39%	45%	46%	38%	30%	26%	20%	18%	11%	12%	11%	4%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	Bucaneer	Cooper's Green	Egmont	Gibson's	Lund	Madeira	McDonald Beach	Pender Harbour Resort	Porpoise Bay	Saltery Bay	Schooner
29 Jul 2021	Midweek		choppy									
30 Jul 2021	Midweek									choppy		
31 Jul 2021	Weekend	choppy										
01 Aug 2021	Weekend									choppy		choppy
02 Aug 2021	Weekend											
03 Aug 2021	Midweek											
04 Aug 2021	Midweek											
05 Aug 2021	Midweek			choppy							frequent whitecaps	
06 Aug 2021	Midweek						choppy					
07 Aug 2021	Weekend										choppy	
08 Aug 2021	Weekend											
09 Aug 2021	Midweek											
10 Aug 2021	Midweek											
11 Aug 2021	Midweek											
12 Aug 2021	Midweek								choppy			
13 Aug 2021	Midweek				choppy						calm/rippled	
14 Aug 2021	Weekend	choppy						choppy				
15 Aug 2021	Weekend			frequent whitecaps								
16 Aug 2021	Midweek										choppy	
17 Aug 2021	Midweek											
18 Aug 2021	Midweek						calm/rippled					
19 Aug 2021	Midweek		frequent whitecaps									
20 Aug 2021	Midweek	choppy										
21 Aug 2021	Weekend								frequent whitecaps		choppy	
22 Aug 2021	Weekend						frequent whitecaps					
23 Aug 2021	Midweek										calm/rippled	
24 Aug 2021	Midweek											
25 Aug 2021	Midweek								calm/rippled			
26 Aug 2021	Midweek											
27 Aug 2021	Midweek										choppy	
28 Aug 2021	Weekend			calm/rippled		calm/rippled						
29 Aug 2021	Weekend									calm/rippled	calm/rippled	
30 Aug 2021	Midweek											
31 Aug 2021	Midweek											
01 Sep 2021	Midweek											
02 Sep 2021	Midweek											
03 Sep 2021	Midweek		calm/rippled								calm/rippled	