FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

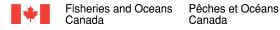
CREEL SURVEY DATA REVIEW PACKAGE

Area 16 September 2022



Prepared By: South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023





Area 16 September 2022

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

		Bucaneer	Cooper's	Green	Egmont	French Ck	Madeira	Pender H		Porpois	se Bay	Salter	y Bay
Date	Day Type	PM	AM	PM	PM	PM	PM	AM	PM	AM	PM	AM	PM
29 Aug 2022	Midweek	1											
30 Aug 2022	Midweek									1			
31 Aug 2022	Midweek			5									
01 Sep 2022	Midweek												
02 Sep 2022	Midweek								3				
03 Sep 2022	Weekend						3						
04 Sep 2022	Weekend								2				
05 Sep 2022	Weekend												
06 Sep 2022	Midweek										4		
07 Sep 2022	Midweek												
08 Sep 2022	Midweek							1					
09 Sep 2022	Midweek						5						2
10 Sep 2022	Weekend	1											
11 Sep 2022	Weekend										4		
12 Sep 2022	Midweek									1			
13 Sep 2022	Midweek			4									
14 Sep 2022	Midweek												
15 Sep 2022	Midweek												
16 Sep 2022	Midweek						2						
17 Sep 2022	Weekend												
18 Sep 2022	Weekend				3								2
19 Sep 2022	Midweek			1									
20 Sep 2022	Midweek									_			
21 Sep 2022	Midweek									2			
22 Sep 2022	Midweek												
23 Sep 2022	Midweek		3									4	
24 Sep 2022	Weekend						1					I	2
25 Sep 2022	Weekend	1				1							3
26 Sep 2022	Midweek	1					1						
27 Sep 2022	Midweek						1						
28 Sep 2022	Midweek												
29 Sep 2022	Midweek Midweek												2
30 Sep 2022 01 Oct 2022	Weekend												3
01 Oct 2022 02 Oct 2022													
02 Oct 2022 03 Oct 2022	Weekend Midweek												
03 Oct 2022	Midweek												

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-Aug-2022	Monday	calm/rippled	1					15	1109	33
30-Aug-2022	Tuesday	choppy	2	1						
31-Aug-2022	Wednesday	choppy	5	1						
01-Sep-2022	Thursday	117	0					8	1134	18
02-Sep-2022	Friday	calm/rippled	3	1				-		
03-Sep-2022	Saturday	large swells	3					15	1107	35
04-Sep-2022	Sunday	frequent whitecaps	2							
05-Sep-2022 N	Monday (Labour Day)	wintecups	0							
06-Sep-2022	Tuesday	calm/rippled	4							
07-Sep-2022	Wednesday	camin rippied	0					3	1138	6
08-Sep-2022	Thursday	calm/rippled	1					3	1150	O
09-Sep-2022	Friday	calm/rippled	7							
10-Sep-2022	Saturday	choppy	1					10	1046	25
11-Sep-2022	Sunday	calm/rippled	4					10	1010	23
12-Sep-2022	Monday	calm/rippled	1							
13-Sep-2022	Tuesday	choppy	4							
14-Sep-2022	Wednesday	спорру	0							
15-Sep-2022	Thursday		0					8	1058	18
16-Sep-2022	Friday	choppy	2					Ü	1000	10
17-Sep-2022	Saturday	ысрру	0							
18-Sep-2022	Sunday	calm/rippled	5					15	1119	32
19-Sep-2022	Monday	calm/rippled	1					10		
20-Sep-2022	Tuesday		0							
21-Sep-2022	Wednesday	calm/rippled	2					9	1114	19
22-Sep-2022	Thursday		0							
23-Sep-2022	Friday	calm/rippled	3	1						
24-Sep-2022	Saturday	choppy	2					16	1019	67
25-Sep-2022	Sunday	calm/rippled	4							
26-Sep-2022	Monday	calm/rippled	1							
27-Sep-2022	Tuesday	calm/rippled	1							
28-Sep-2022	Wednesday	11 -	0							
29-Sep-2022	Thursday		0							
30-Sep-2022	Friday	calm/rippled	3							
01-Oct-2022	Saturday	11	0							
02-Oct-2022	Sunday		0					16	1142	35
03-Oct-2022	Monday		0							
	Totals	calm/rippled	33	2				7*		15*
	Totals	choppy	21					14*		40*

^{*} Average number of boats Observed and Expanded

Table 3: Simple area based cpue (catch per boat trip) expansion.

					CPUE				Retained				
Day Type	Average	Number of	Total	Chinook	Coho	Sockeye	Halibut	Chinook	Coho	Sockeye	Halibut		
	Expanded	Days	Estimated										
	Boats		Effort										
Midweek	15	21	315	0.061				19					
Weekend	40	9	360										

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	September	999	132	12		
2018	September	990	76		35	
2019	September	344	49	42		0
2020	September	1093	27			0
2021	September	1256	310	0		0
2022	September	539	20	4		0
5-Yr Avg	September	936	119	18	35	0

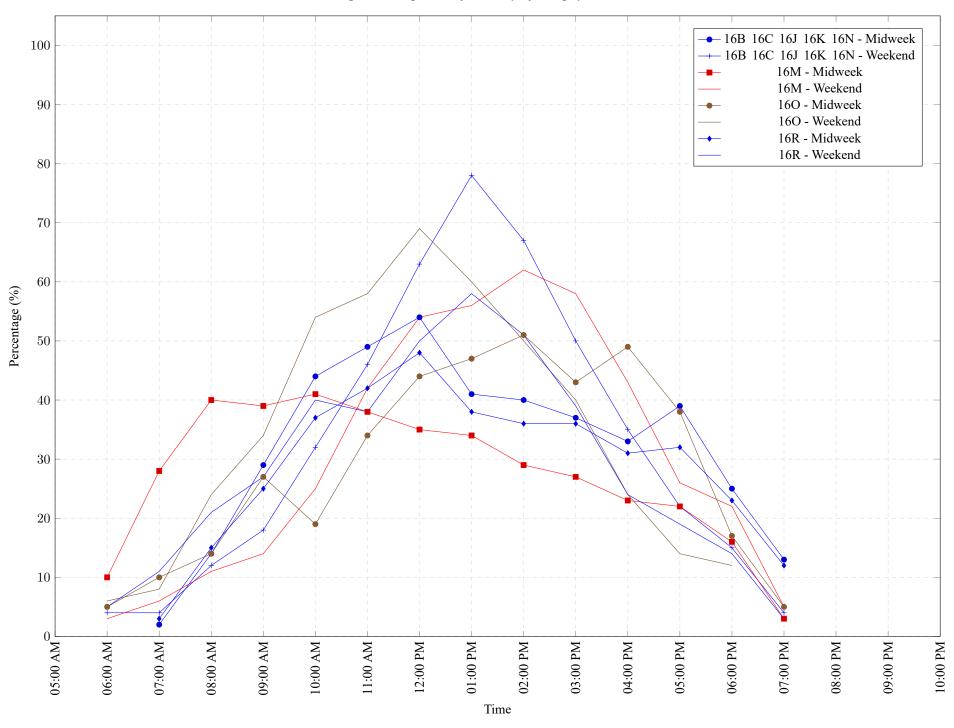
Table 5: Sport Head Recovery Review.

Species	Creel Marked Catch		Creel Submission Rate	iRec Marked Catch	Mark	iRec Submission Rate	Sport Head Recoveries
Coho	1	25%	100%	38	79%	3%	1
Chinook	0	0%		19	9%	11%	2

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	54	2%
iRec Anglers	2402	5%

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



Area 16 September 2022

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
		Alvi	Alvi	Alvi	Alvi	Alvi	Alvi	L IAI	L IAI	I IVI	ΓIVI	I IVI	I IVI	ΓIVI	L IAI	L IAI	I IVI	T IVI
16B 16C 16J 16K 16N	Midweek	0%	2%	14%	29%	44%	49%	54%	41%	40%	37%	33%	39%	25%	13%	0%	0%	0%
16B 16C 16J 16K 16N	Weekend	4%	4%	12%	18%	32%	46%	63%	78%	67%	50%	35%	22%	15%	4%	0%	0%	0%
16M	Midweek	10%	28%	40%	39%	41%	38%	35%	34%	29%	27%	23%	22%	16%	3%	0%	0%	0%
16M	Weekend	3%	6%	11%	14%	25%	42%	54%	56%	62%	58%	43%	26%	22%	5%	0%	0%	0%
16O	Midweek	5%	10%	14%	27%	19%	34%	44%	47%	51%	43%	49%	38%	17%	5%	0%	0%	0%
16O	Weekend	6%	8%	24%	34%	54%	58%	69%	60%	50%	40%	24%	14%	12%	0%	0%	0%	0%
16R	Midweek	0%	3%	15%	25%	37%	42%	48%	38%	36%	36%	31%	32%	23%	12%	0%	0%	0%
16R	Weekend	5%	11%	21%	27%	40%	38%	50%	58%	51%	39%	24%	19%	14%	3%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Bucaneer	Cooper's Green	Egmont	French Ck	Madeira	Pender Harbour Resort	Porpoise Bay	Saltery Bay
29 Aug 2022	Midweek	calm/rippled							
30 Aug 2022	Midweek	• •						choppy	
31 Aug 2022	Midweek		choppy						
01 Sep 2022	Midweek		***						
02 Sep 2022	Midweek						calm/rippled		
03 Sep 2022	Weekend					large swells	**		
04 Sep 2022	Weekend						frequent whitecaps		
05 Sep 2022	Weekend						·		
06 Sep 2022	Midweek							calm/rippled	
07 Sep 2022	Midweek							**	
08 Sep 2022	Midweek						calm/rippled		
09 Sep 2022	Midweek					calm/rippled	**		calm/rippled
10 Sep 2022	Weekend	choppy				11			***
11 Sep 2022	Weekend	113						calm/rippled	
12 Sep 2022	Midweek							calm/rippled	
13 Sep 2022	Midweek		choppy					11	
14 Sep 2022	Midweek		117						
15 Sep 2022	Midweek								
16 Sep 2022	Midweek					choppy			
17 Sep 2022	Weekend					113			
18 Sep 2022	Weekend			calm/rippled					calm/rippled
19 Sep 2022	Midweek		calm/rippled	**					**
20 Sep 2022	Midweek								
21 Sep 2022	Midweek							calm/rippled	
22 Sep 2022	Midweek							* *	
23 Sep 2022	Midweek		calm/rippled						
24 Sep 2022	Weekend					choppy			calm/rippled
25 Sep 2022	Weekend				choppy	115			calm/rippled
26 Sep 2022	Midweek	calm/rippled			117				1.1
27 Sep 2022	Midweek	11				calm/rippled			
28 Sep 2022	Midweek					11			
29 Sep 2022	Midweek								
30 Sep 2022	Midweek								calm/rippled
01 Oct 2022	Weekend								11
02 Oct 2022	Weekend								
03 Oct 2022	Midweek								