

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 16 June 2022



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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Canada

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Canada



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

Date	Day Type	Big Rock Boat Rental	Bucaneer	Cooper's Green		Egmont		French Ck	Madeira		Pender Harbour Resort	Porpoise Bay		Saltery Bay		Thunderbird Marina	Westview
		PM	PM	AM	PM	AM	PM	PM	AM	PM	PM	AM	PM	AM	PM	PM	PM
29 May 2022	Weekend										2		2				
30 May 2022	Midweek										2						
31 May 2022	Midweek																
01 Jun 2022	Midweek																
02 Jun 2022	Midweek			1													
03 Jun 2022	Midweek		1										1				
04 Jun 2022	Weekend												2				
05 Jun 2022	Weekend																
06 Jun 2022	Midweek			2													
07 Jun 2022	Midweek									2		1					
08 Jun 2022	Midweek											2					
09 Jun 2022	Midweek																
10 Jun 2022	Midweek																
11 Jun 2022	Weekend					2											
12 Jun 2022	Weekend								2								
13 Jun 2022	Midweek																
14 Jun 2022	Midweek																
15 Jun 2022	Midweek																
16 Jun 2022	Midweek									1							
17 Jun 2022	Midweek						2						3				
18 Jun 2022	Weekend												3		2		
19 Jun 2022	Weekend			2			3										
20 Jun 2022	Midweek																
21 Jun 2022	Midweek					1											
22 Jun 2022	Midweek	1															
23 Jun 2022	Midweek																
24 Jun 2022	Midweek				3												
25 Jun 2022	Weekend		2		4			1						1		1	
26 Jun 2022	Weekend										2						
27 Jun 2022	Midweek										1						
28 Jun 2022	Midweek																
29 Jun 2022	Midweek										1						
30 Jun 2022	Midweek						1										
01 Jul 2022	Weekend																3
02 Jul 2022	Weekend							1		6			5				
03 Jul 2022	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-2022	Sunday	calm/rippled	4	1						
30-May-2022	Monday	calm/rippled	2							
31-May-2022	Tuesday		0							
01-Jun-2022	Wednesday		0					4	1153	13
02-Jun-2022	Thursday	calm/rippled	3	2						
03-Jun-2022	Friday	choppy	3	1						
04-Jun-2022	Saturday	calm/rippled	2					6	1139	14
05-Jun-2022	Sunday		0							
06-Jun-2022	Monday	choppy	4	2						
07-Jun-2022	Tuesday	choppy	4	1						
08-Jun-2022	Wednesday	calm/rippled	2							
09-Jun-2022	Thursday		0							
10-Jun-2022	Friday		0					8	1213	20
11-Jun-2022	Saturday	choppy	3	4				13	1147	29
12-Jun-2022	Sunday	calm/rippled	3	4						
13-Jun-2022	Monday		0							
14-Jun-2022	Tuesday		0							
15-Jun-2022	Wednesday		0							
16-Jun-2022	Thursday	calm/rippled	1	1						
17-Jun-2022	Friday	choppy	5	2				19	1151	58
18-Jun-2022	Saturday	choppy	5	2						
19-Jun-2022	Sunday	choppy	5	1				16	1153	34
20-Jun-2022	Monday		3							
21-Jun-2022	Tuesday	choppy	2				2			
22-Jun-2022	Wednesday	frequent whitecaps	4	2						
23-Jun-2022	Thursday		3	3						
24-Jun-2022	Friday	choppy	4	1				16	1151	51
25-Jun-2022	Saturday	choppy	9	1				57	1154	133
26-Jun-2022	Sunday	choppy	2	2						
27-Jun-2022	Monday	choppy	1							
28-Jun-2022	Tuesday		1	1						
29-Jun-2022	Wednesday	choppy	2	1						
30-Jun-2022	Thursday	choppy	1							
01-Jul-2022	Friday (Canada Day)	calm/rippled	3							
02-Jul-2022	Saturday	choppy	12	2				40	1101	94
03-Jul-2022	Sunday	choppy	1	1						
	Totals	choppy	43	17			2	12*		36*
	Totals	choppy	29	14				23*		53*

* 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	36	22	792	0.395			0.047	313			37
Weekend	53	8	424	0.483				205			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	June	1294	316			
2018	June	1329	736	33		
2019	June	726		13		
2020	June	916				
2021	June	2337	512	22		0
2022	June	851	330			88
5-Yr Avg	June	1320	521	23		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	192	58%	3%	176	45%	3%	6

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	71	8%
iRec Anglers	1822	6%

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

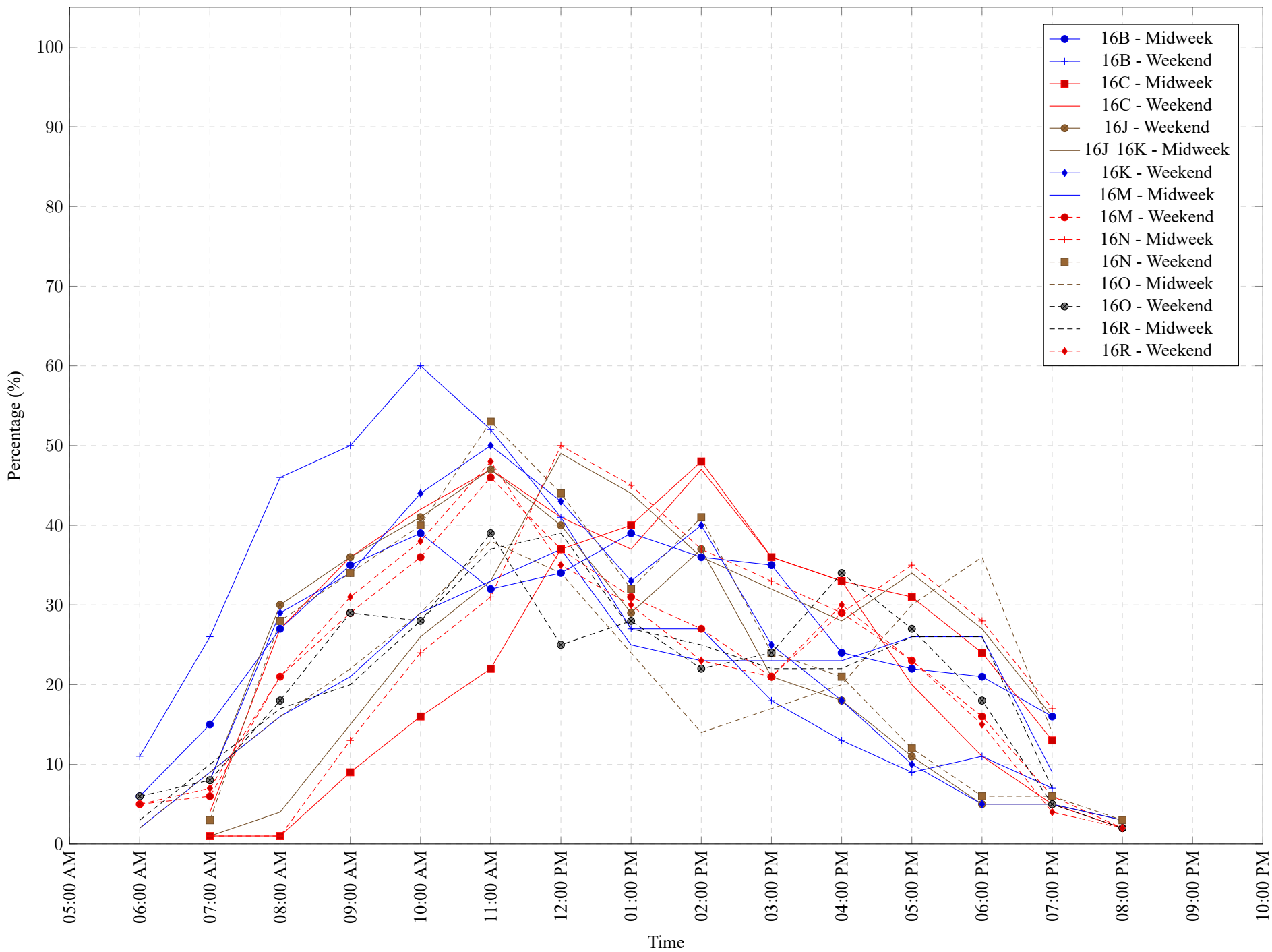


Table 7: Proportion of each day's fishing by hour.

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	6%	15%	27%	35%	39%	32%	34%	39%	36%	35%	24%	22%	21%	16%	0%	0%	0%
16B	Weekend	11%	26%	46%	50%	60%	52%	41%	27%	27%	18%	13%	9%	11%	7%	0%	0%	0%
16C	Midweek	0%	1%	1%	9%	16%	22%	37%	40%	48%	36%	33%	31%	24%	13%	0%	0%	0%
16C	Weekend	0%	4%	27%	36%	42%	47%	41%	37%	47%	36%	33%	20%	11%	5%	2%	0%	0%
16J	Weekend	0%	8%	30%	36%	41%	47%	40%	29%	37%	21%	18%	11%	5%	5%	3%	0%	0%
16J 16K	Midweek	0%	1%	4%	15%	26%	33%	49%	44%	36%	32%	28%	34%	27%	16%	0%	0%	0%
16K	Weekend	0%	8%	29%	34%	44%	50%	43%	33%	40%	25%	18%	10%	5%	5%	3%	0%	0%
16M	Midweek	2%	9%	16%	21%	29%	33%	37%	25%	23%	23%	23%	26%	26%	9%	0%	0%	0%
16M	Weekend	5%	6%	21%	29%	36%	46%	37%	31%	27%	21%	29%	23%	16%	6%	2%	0%	0%
16N	Midweek	0%	1%	1%	13%	24%	31%	50%	45%	37%	33%	29%	35%	28%	17%	0%	0%	0%
16N	Weekend	0%	3%	28%	34%	40%	53%	44%	32%	41%	24%	21%	12%	6%	6%	3%	0%	0%
16O	Midweek	2%	9%	16%	22%	29%	38%	34%	24%	14%	17%	20%	30%	36%	14%	0%	0%	0%
16O	Weekend	6%	8%	18%	29%	28%	39%	25%	28%	22%	24%	34%	27%	18%	5%	2%	0%	0%
16R	Midweek	3%	10%	17%	20%	28%	37%	39%	27%	25%	22%	22%	26%	26%	7%	0%	0%	0%
16R	Weekend	5%	7%	21%	31%	38%	48%	35%	30%	23%	21%	30%	23%	15%	4%	2%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Big Rock Boat Rental	Bucaneer	Cooper's Green	Egmont	French Ck	Madeira	Pender Harbour Resort	Porpoise Bay	Saltery Bay	Thunderbird Marina	Westview
29 May 2022	Weekend							choppy	calm/rippled			
30 May 2022	Midweek							calm/rippled				
31 May 2022	Midweek											
01 Jun 2022	Midweek											
02 Jun 2022	Midweek			calm/rippled								
03 Jun 2022	Midweek		calm/rippled						choppy			
04 Jun 2022	Weekend								calm/rippled			
05 Jun 2022	Weekend											
06 Jun 2022	Midweek			choppy								
07 Jun 2022	Midweek						choppy		choppy			
08 Jun 2022	Midweek								calm/rippled			
09 Jun 2022	Midweek											
10 Jun 2022	Midweek											
11 Jun 2022	Weekend				choppy							
12 Jun 2022	Weekend						calm/rippled					
13 Jun 2022	Midweek											
14 Jun 2022	Midweek											
15 Jun 2022	Midweek											
16 Jun 2022	Midweek						calm/rippled					
17 Jun 2022	Midweek				frequent whitecaps				choppy			
18 Jun 2022	Weekend								choppy	frequent whitecaps		
19 Jun 2022	Weekend			choppy	choppy							
20 Jun 2022	Midweek											
21 Jun 2022	Midweek				choppy							
22 Jun 2022	Midweek	frequent whitecaps										
23 Jun 2022	Midweek											
24 Jun 2022	Midweek			choppy								
25 Jun 2022	Weekend		choppy	choppy		choppy				calm/rippled	calm/rippled	
26 Jun 2022	Weekend							choppy				
27 Jun 2022	Midweek							choppy				
28 Jun 2022	Midweek											
29 Jun 2022	Midweek							choppy				
30 Jun 2022	Midweek				choppy							
01 Jul 2022	Weekend											calm/rippled
02 Jul 2022	Weekend					choppy	choppy		choppy			
03 Jul 2022	Weekend				choppy							