

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 16 September 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Friday 11th 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	Madeira		Pender Harbour Resort	Porpoise Bay		Saltery Bay	
Date	Day Type	PM	AM	PM	PM	AM	PM	PM	AM	PM	AM	PM
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
04 Sep 2021	Weekend											
05 Sep 2021	Weekend											
06 Sep 2021	Weekend	6										
07 Sep 2021	Midweek				2							2
08 Sep 2021	Midweek											
09 Sep 2021	Midweek											
10 Sep 2021	Midweek	2										
11 Sep 2021	Weekend											
12 Sep 2021	Weekend										1	
13 Sep 2021	Midweek			4								
14 Sep 2021	Midweek											
15 Sep 2021	Midweek											
16 Sep 2021	Midweek											
17 Sep 2021	Midweek											
18 Sep 2021	Weekend											
19 Sep 2021	Weekend								1			
20 Sep 2021	Midweek					1						
21 Sep 2021	Midweek										1	
22 Sep 2021	Midweek											
23 Sep 2021	Midweek											
24 Sep 2021	Midweek										1	
25 Sep 2021	Weekend							3				
26 Sep 2021	Weekend											
27 Sep 2021	Midweek											
28 Sep 2021	Midweek						1					
29 Sep 2021	Midweek											
30 Sep 2021	Midweek											
01 Oct 2021	Midweek											
02 Oct 2021	Weekend											
03 Oct 2021	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
29-Aug-2021	Sunday	calm/rippled	7	2						
30-Aug-2021	Monday		0					11	1121	52
31-Aug-2021	Tuesday		0							
01-Sep-2021	Wednesday		0							
02-Sep-2021	Thursday		0					24	1215	90
03-Sep-2021	Friday	calm/rippled	5	4						
04-Sep-2021	Saturday		0					3	1226	4
05-Sep-2021	Sunday		1							
06-Sep-2021	Monday (Labour Day)	choppy	7	1				47	1202	73
07-Sep-2021	Tuesday	choppy	4							
08-Sep-2021	Wednesday		0					19	1239	70
09-Sep-2021	Thursday		0							
10-Sep-2021	Friday	choppy	2	1						
11-Sep-2021	Saturday		0							
12-Sep-2021	Sunday	calm/rippled	3	1				17	1233	24
13-Sep-2021	Monday	choppy	4							
14-Sep-2021	Tuesday		0							
15-Sep-2021	Wednesday		0					8	1217	35
16-Sep-2021	Thursday		0							
17-Sep-2021	Friday		0							
18-Sep-2021	Saturday		0					6	1203	11
19-Sep-2021	Sunday	calm/rippled	2	1						
20-Sep-2021	Monday	calm/rippled	1							
21-Sep-2021	Tuesday	calm/rippled	1							
22-Sep-2021	Wednesday		0					4	1224	14
23-Sep-2021	Thursday		0							
24-Sep-2021	Friday	calm/rippled	1							
25-Sep-2021	Saturday	calm/rippled	3					25	1213	37
26-Sep-2021	Sunday		0							
27-Sep-2021	Monday		0					0	1135	0
28-Sep-2021	Tuesday	choppy	1							
29-Sep-2021	Wednesday		0							
30-Sep-2021	Thursday		0							
01-Oct-2021	Friday		0							
02-Oct-2021	Saturday		0							
03-Oct-2021	Sunday		1	1				1	1226	1
	Totals	choppy	19	5				11*		42*
	Totals	calm/rippled	16	3				20*		30*

* 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	42	21	882	0.263				232			
Weekend	30	9	270	0.188				51			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	September	1540	785	27		
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
5-Yr Avg	September	993	214	27	35	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	0	0%		45	29%	16%	7

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	35	7%
iRec Anglers	1605	12%

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

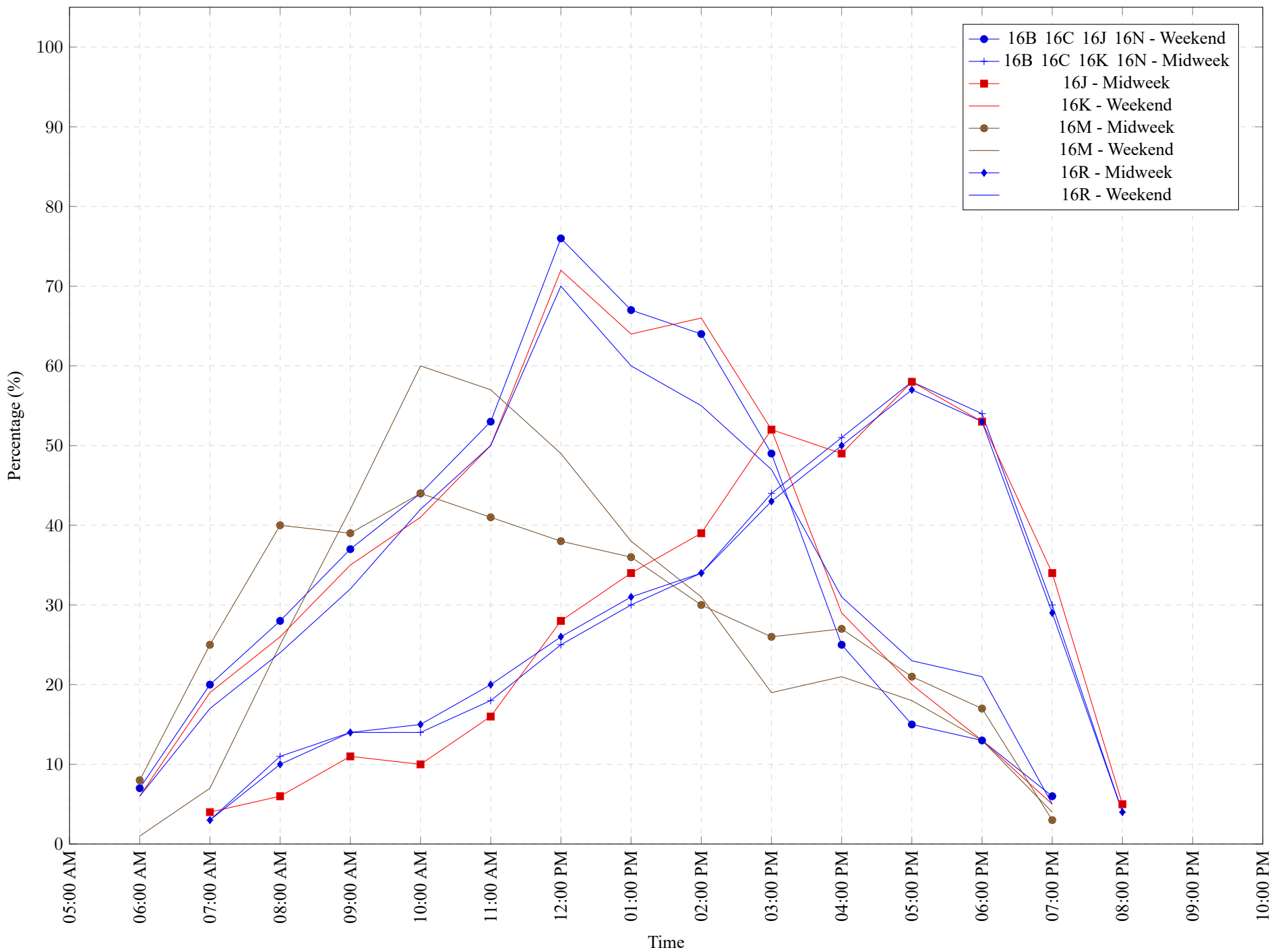


Table 7: Proportion of each day's fishing by hour.

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	16C	16J	16N	Weekend	7%	20%	28%	37%	44%	53%	76%	67%	64%	49%	25%	15%	13%	6%	0%	0%	0%
16B	16C	16K	16N	Midweek	0%	3%	11%	14%	14%	18%	25%	30%	34%	44%	51%	58%	54%	30%	4%	0%	0%
16J				Midweek	0%	4%	6%	11%	10%	16%	28%	34%	39%	52%	49%	58%	53%	34%	5%	0%	0%
16K				Weekend	6%	19%	26%	35%	41%	50%	72%	64%	66%	52%	29%	20%	13%	5%	0%	0%	0%
16M				Midweek	8%	25%	40%	39%	44%	41%	38%	36%	30%	26%	27%	21%	17%	3%	0%	0%	0%
16M				Weekend	1%	7%	25%	42%	60%	57%	49%	38%	31%	19%	21%	18%	13%	4%	0%	0%	0%
16R				Midweek	0%	3%	10%	14%	15%	20%	26%	31%	34%	43%	50%	57%	53%	29%	4%	0%	0%
16R				Weekend	6%	17%	24%	32%	42%	50%	70%	60%	55%	47%	31%	23%	21%	5%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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