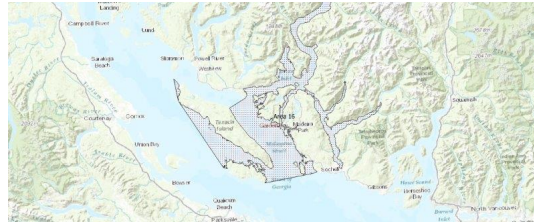


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 16 September 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 10th February, 2024



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

Date	Day Type	Bucaneer	Cooper's Green	Madeira	Pender Harbour Resort	Porpoise Bay	
		AM	AM	AM	PM	AM	PM
29 Aug 2023	Midweek						
30 Aug 2023	Midweek						
31 Aug 2023	Midweek					2	
01 Sep 2023	Midweek			1			
02 Sep 2023	Weekend		6				
03 Sep 2023	Weekend	1					
04 Sep 2023	Weekend						
05 Sep 2023	Midweek						
06 Sep 2023	Midweek						
07 Sep 2023	Midweek						
08 Sep 2023	Midweek				1		
09 Sep 2023	Weekend						
10 Sep 2023	Weekend						
11 Sep 2023	Midweek						
12 Sep 2023	Midweek						
13 Sep 2023	Midweek						
14 Sep 2023	Midweek						
15 Sep 2023	Midweek						
16 Sep 2023	Weekend						1
17 Sep 2023	Weekend						
18 Sep 2023	Midweek						
19 Sep 2023	Midweek						
20 Sep 2023	Midweek						
21 Sep 2023	Midweek						
22 Sep 2023	Midweek						
23 Sep 2023	Weekend						
24 Sep 2023	Weekend			1			
25 Sep 2023	Midweek						
26 Sep 2023	Midweek						
27 Sep 2023	Midweek						
28 Sep 2023	Midweek						
29 Sep 2023	Midweek						
30 Sep 2023	Weekend						
01 Oct 2023	Weekend						
02 Oct 2023	Midweek						
03 Oct 2023	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-2023	Tuesday		0							
30-Aug-2023	Wednesday		0					10	1029	16
31-Aug-2023	Thursday	calm/rippled	2							
01-Sep-2023	Friday	calm/rippled	1	1				14	1138	19
02-Sep-2023	Saturday	choppy	6		7					
03-Sep-2023	Sunday	choppy	1							
04-Sep-2023	Monday (Labour Day)		1		1			21	1127	64
05-Sep-2023	Tuesday		0							
06-Sep-2023	Wednesday		0							
07-Sep-2023	Thursday		0					11	1143	15
08-Sep-2023	Friday	calm/rippled	1							
09-Sep-2023	Saturday		0					19	1150	60
10-Sep-2023	Sunday		0							
11-Sep-2023	Monday		0							
12-Sep-2023	Tuesday		0							
13-Sep-2023	Wednesday		0							
14-Sep-2023	Thursday		0							
15-Sep-2023	Friday		0					16	1157	24
16-Sep-2023	Saturday	choppy	1					28	1156	90
17-Sep-2023	Sunday		0							
18-Sep-2023	Monday		0							
19-Sep-2023	Tuesday		0							
20-Sep-2023	Wednesday		0							
21-Sep-2023	Thursday		0							
22-Sep-2023	Friday		0							
23-Sep-2023	Saturday		0							
24-Sep-2023	Sunday	calm/rippled	1					4	1158	13
25-Sep-2023	Monday		0							
26-Sep-2023	Tuesday		0							
27-Sep-2023	Wednesday		0							
28-Sep-2023	Thursday		0					1	1145	1
29-Sep-2023	Friday		0							
30-Sep-2023	Saturday		0							
01-Oct-2023	Sunday		0					3	1209	9
02-Oct-2023	Monday		0							
03-Oct-2023	Tuesday		0							
	Totals	calm/rippled	2	1				11*		15*
	Totals	choppy	10		8			18*		57*

* 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	57	10	570		0.8				456		
Midweek	15	20	300	0.5				150			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2023	September	968	167	602		0
5-Yr Avg	September	844	96	15	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
Coho	343	57%	1%	513	100%	0%	2
Chinook	162	97%	1%	143	40%	1%	2

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	12	18%
iRec Anglers	2085	2%

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

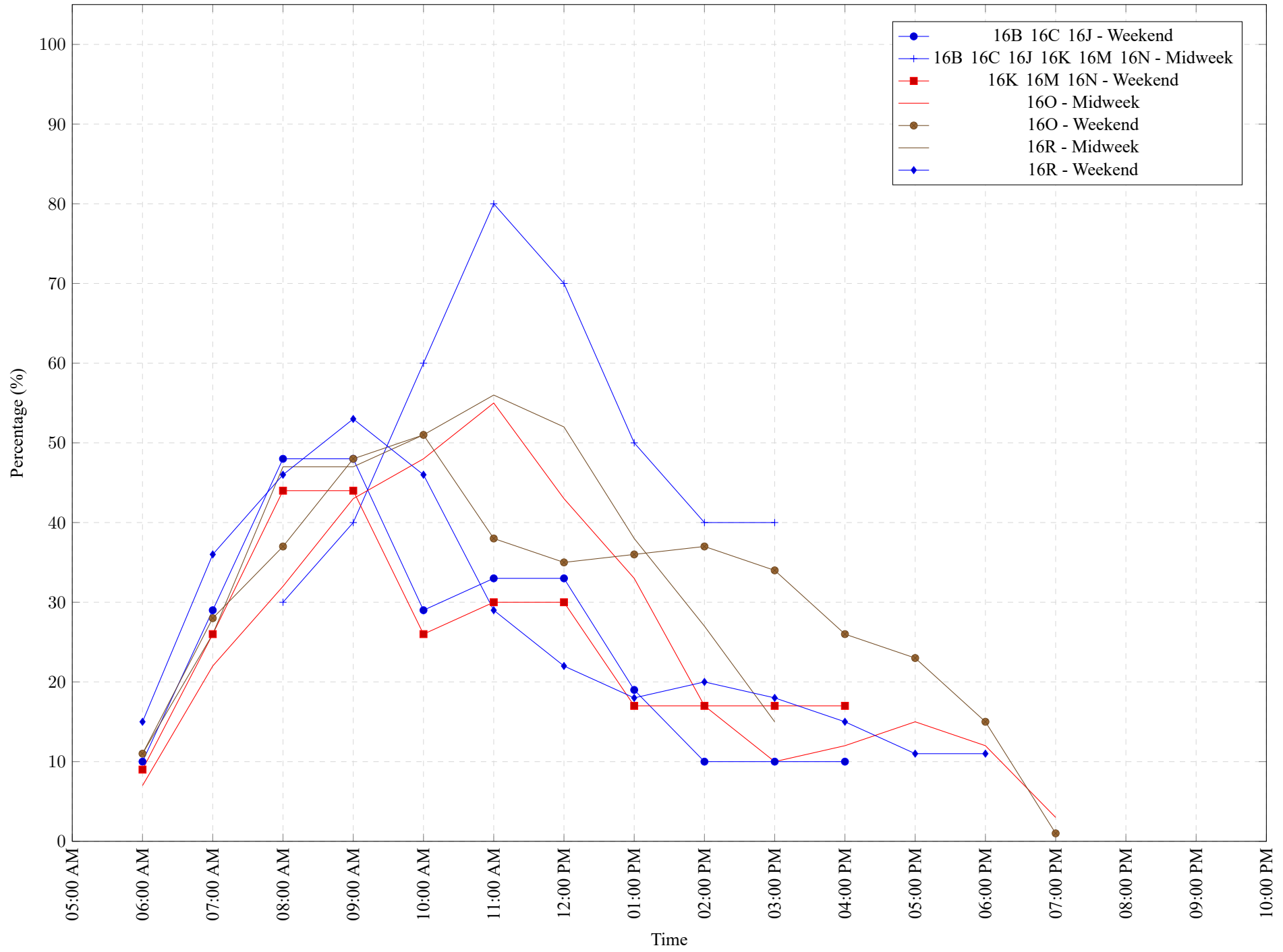


Table 7: Proportion of each day's fishing by hour.

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	Weekend	10%	29%	48%	48%	29%	33%	33%	19%	10%	10%	10%	0%	0%	0%	0%	0%	0%
16B 16C 16J 16K 16M 16N	Midweek	0%	0%	30%	40%	60%	80%	70%	50%	40%	40%	0%	0%	0%	0%	0%	0%	0%
16K 16M 16N	Weekend	9%	26%	44%	44%	26%	30%	30%	17%	17%	17%	17%	0%	0%	0%	0%	0%	0%
16O	Midweek	7%	22%	32%	43%	48%	55%	43%	33%	17%	10%	12%	15%	12%	3%	0%	0%	0%
16O	Weekend	11%	28%	37%	48%	51%	38%	35%	36%	37%	34%	26%	23%	15%	1%	0%	0%	0%
16R	Midweek	11%	26%	47%	47%	51%	56%	52%	38%	27%	15%	0%	0%	0%	0%	0%	0%	0%
16R	Weekend	15%	36%	46%	53%	46%	29%	22%	18%	20%	18%	15%	11%	11%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Bucaneer	Cooper's Green	Madeira	Pender Harbour Resort	Porpoise Bay
29 Aug 2023	Midweek					
30 Aug 2023	Midweek					
31 Aug 2023	Midweek					calm/rippled
01 Sep 2023	Midweek			calm/rippled		
02 Sep 2023	Weekend		choppy			
03 Sep 2023	Weekend	choppy				
04 Sep 2023	Weekend					
05 Sep 2023	Midweek					
06 Sep 2023	Midweek					
07 Sep 2023	Midweek					
08 Sep 2023	Midweek				calm/rippled	
09 Sep 2023	Weekend					
10 Sep 2023	Weekend					
11 Sep 2023	Midweek					
12 Sep 2023	Midweek					
13 Sep 2023	Midweek					
14 Sep 2023	Midweek					
15 Sep 2023	Midweek					
16 Sep 2023	Weekend					choppy
17 Sep 2023	Weekend					
18 Sep 2023	Midweek					
19 Sep 2023	Midweek					
20 Sep 2023	Midweek					
21 Sep 2023	Midweek					
22 Sep 2023	Midweek					
23 Sep 2023	Weekend					
24 Sep 2023	Weekend			calm/rippled		
25 Sep 2023	Midweek					
26 Sep 2023	Midweek					
27 Sep 2023	Midweek					
28 Sep 2023	Midweek					
29 Sep 2023	Midweek					
30 Sep 2023	Weekend					
01 Oct 2023	Weekend					
02 Oct 2023	Midweek					
03 Oct 2023	Midweek					