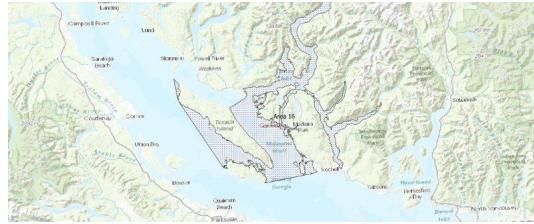


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 16 July 2023



Prepared By:

South Coast Salmon Stock Assessment Section

Friday 9th 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		Egmont	Madeira	Pender Harbour Resort	Porpoise Bay	
		AM	PM	PM	PM	PM	AM	PM
28 Jun 2023	Midweek			2				
29 Jun 2023	Midweek						2	
30 Jun 2023	Midweek							
01 Jul 2023	Weekend			2		4		
02 Jul 2023	Weekend							
03 Jul 2023	Weekend							
04 Jul 2023	Midweek							
05 Jul 2023	Midweek		3					
06 Jul 2023	Midweek							
07 Jul 2023	Midweek							
08 Jul 2023	Weekend				5			
09 Jul 2023	Weekend							
10 Jul 2023	Midweek							
11 Jul 2023	Midweek							
12 Jul 2023	Midweek					2		
13 Jul 2023	Midweek							1
14 Jul 2023	Midweek							
15 Jul 2023	Weekend	4						
16 Jul 2023	Weekend							
17 Jul 2023	Midweek							
18 Jul 2023	Midweek							
19 Jul 2023	Midweek							
20 Jul 2023	Midweek				1			
21 Jul 2023	Midweek							
22 Jul 2023	Weekend							
23 Jul 2023	Weekend							
24 Jul 2023	Midweek							
25 Jul 2023	Midweek							
26 Jul 2023	Midweek							
27 Jul 2023	Midweek			1				
28 Jul 2023	Midweek							1
29 Jul 2023	Weekend							
30 Jul 2023	Weekend							4
31 Jul 2023	Midweek							
01 Aug 2023	Midweek							
02 Aug 2023	Midweek							
03 Aug 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
28-Jun-2023	Wednesday	choppy	4							
29-Jun-2023	Thursday	choppy	4					4	1213	8
30-Jun-2023	Friday		0							
01-Jul-2023	Saturday	choppy	2					19	1230	46
02-Jul-2023	Sunday	calm/rippled	4		1			36	1241	86
03-Jul-2023	Monday (Canada Day)		0							
04-Jul-2023	Tuesday		4							
05-Jul-2023	Wednesday	calm/rippled	4	1	6					
06-Jul-2023	Thursday		3							
07-Jul-2023	Friday		0					5	1245	10
08-Jul-2023	Saturday		2	1	3			17	1234	40
09-Jul-2023	Sunday	choppy	7	1	10					
10-Jul-2023	Monday		0					3	1248	6
11-Jul-2023	Tuesday		2							
12-Jul-2023	Wednesday		3							
13-Jul-2023	Thursday	choppy	4							
14-Jul-2023	Friday	choppy	1					12	1242	23
15-Jul-2023	Saturday	calm/rippled	6	4	2			35	1236	84
16-Jul-2023	Sunday		3	1	2					
17-Jul-2023	Monday		2	3	1					
18-Jul-2023	Tuesday		0							
19-Jul-2023	Wednesday		2	1	3			29	1249	55
20-Jul-2023	Thursday	choppy	1		2					
21-Jul-2023	Friday		3	1	4					
22-Jul-2023	Saturday		7	6	3			9	1234	22
23-Jul-2023	Sunday		3	2	6					
24-Jul-2023	Monday		1		1			5	1237	10
25-Jul-2023	Tuesday		0							
26-Jul-2023	Wednesday		2	1						
27-Jul-2023	Thursday	calm/rippled	5	7	3					
28-Jul-2023	Friday	choppy	2	1				15	1229	30
29-Jul-2023	Saturday		0					21	1236	50
30-Jul-2023	Sunday	choppy	4							
31-Jul-2023	Monday		2		3					
01-Aug-2023	Tuesday		1	1	1					
02-Aug-2023	Wednesday		0					34	1050	65
03-Aug-2023	Thursday		1	1						
	Totals	choppy	41	15	23			12*		22*
	Totals	choppy	38	15	27			23*		55*

* 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	55	11	605	0.395	0.711			239	430		
Midweek	22	20	440	0.366	0.561			161	247		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	July	3289	1797	298		
2019	July	2613	1066	167		
2020	July	3636	1540	93		0
2021	July	4202	3624	0		0
2022	July	3533	1742	0		0
2023	July	1336	487	992	0	0
5-Yr Avg	July	3455	1954	112		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	812	82%	20%	1852	89%	9%	162
Chinook	62	13%	52%	503	40%	6%	32

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	70	3%
iRec Anglers	6556	7%

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

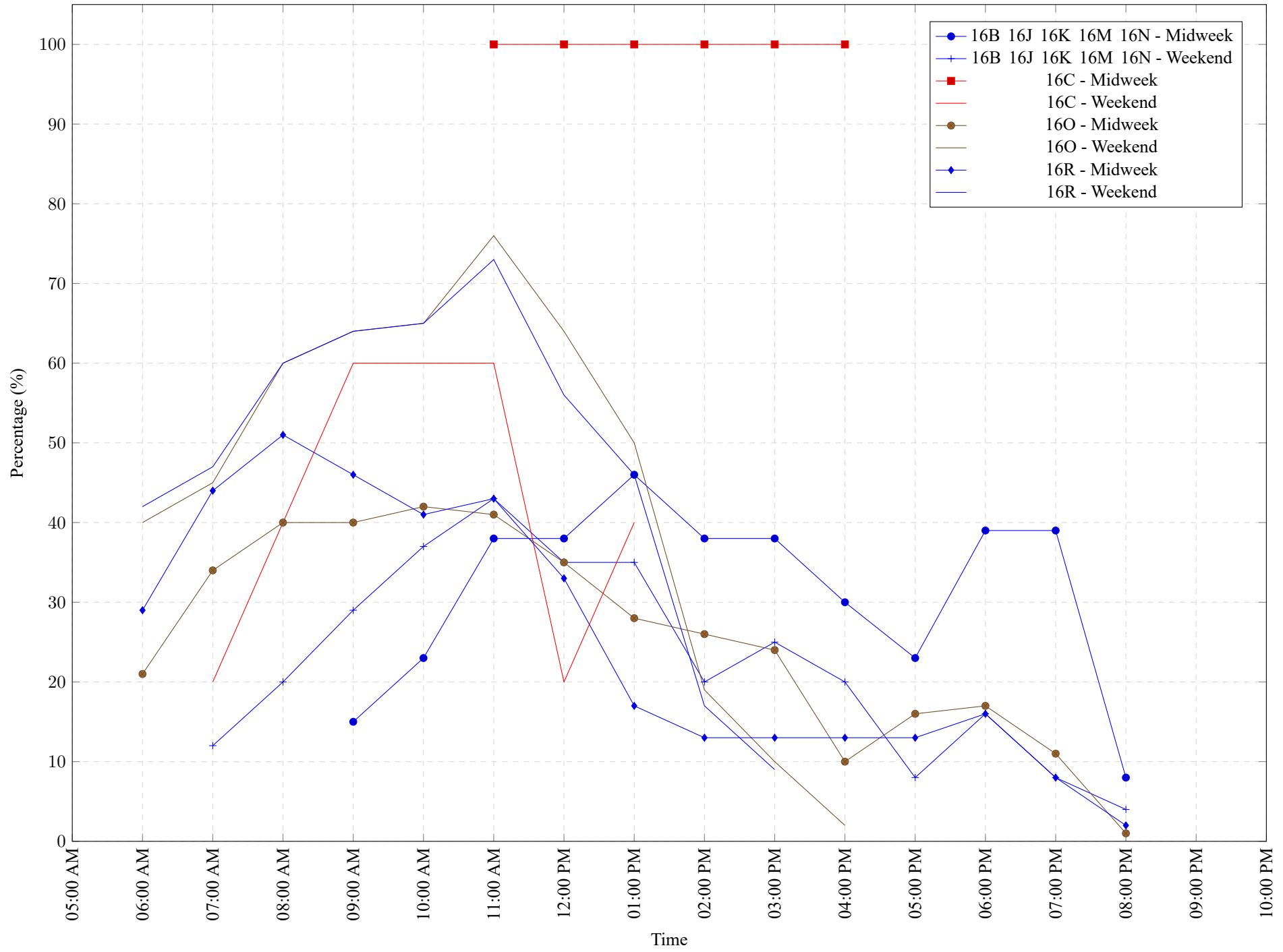


Table 7: Proportion of each day's fishing by hour.

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 16J 16K 16M 16N	16B 16J 16K 16M 16N	Midweek	0%	0%	0%	15%	23%	38%	38%	46%	38%	38%	30%	23%	39%	39%	8%	0%	0%			
16B 16J 16K 16M 16N		Weekend	0%	12%	20%	29%	37%	43%	35%	35%	20%	25%	20%	8%	16%	8%	4%	0%	0%			
16C	16C	Midweek	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%
16C		Weekend	0%	20%	40%	60%	60%	60%	20%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
16O	16O	Midweek	21%	34%	40%	40%	42%	41%	35%	28%	26%	24%	10%	16%	17%	11%	1%	0%	0%			
16O		Weekend	40%	45%	60%	64%	65%	76%	64%	50%	19%	10%	2%	0%	0%	0%	0%	0%	0%			
16R	16R	Midweek	29%	44%	51%	46%	41%	43%	33%	17%	13%	13%	13%	13%	16%	8%	2%	0%	0%			
16R		Weekend	42%	47%	60%	64%	65%	73%	56%	46%	17%	9%	0%	0%	0%	0%	0%	0%	0%			

Table 8: Daily Fishing Conditions.

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