

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 13 October 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 10th February, 2024



Fisheries and Oceans
Canada

Pêches et Océans
Canada

**your
catch
counts**

The logo for 'Your Catch Counts' features the words 'your', 'catch', and 'counts' stacked vertically in a bold, blue, sans-serif font. To the right of the word 'catch' is a stylized blue silhouette of a person holding a fishing rod, with a fish on the line.

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

Date	Day Type	Big Rock Boat Rental		Brown's Bay		Discovery Marina South		Pacific Play PM
		AM	PM	AM	PM	AM	PM	
28 Sep 2023	Midweek							
29 Sep 2023	Midweek							
30 Sep 2023	Weekend							
01 Oct 2023	Weekend						9	
02 Oct 2023	Midweek						1	
03 Oct 2023	Midweek							
04 Oct 2023	Midweek							
05 Oct 2023	Midweek			7				
06 Oct 2023	Midweek							
07 Oct 2023	Weekend		23					
08 Oct 2023	Weekend				7			
09 Oct 2023	Weekend							
10 Oct 2023	Midweek			1				
11 Oct 2023	Midweek	4						
12 Oct 2023	Midweek					4		
13 Oct 2023	Midweek							
14 Oct 2023	Weekend			6				
15 Oct 2023	Weekend				5			
16 Oct 2023	Midweek							
17 Oct 2023	Midweek							
18 Oct 2023	Midweek							
19 Oct 2023	Midweek	3						
20 Oct 2023	Midweek							
21 Oct 2023	Weekend	4						
22 Oct 2023	Weekend							1
23 Oct 2023	Midweek						2	
24 Oct 2023	Midweek							
25 Oct 2023	Midweek							
26 Oct 2023	Midweek							
27 Oct 2023	Midweek							
28 Oct 2023	Weekend							
29 Oct 2023	Weekend		9					
30 Oct 2023	Midweek		5					
31 Oct 2023	Midweek							
01 Nov 2023	Midweek							
02 Nov 2023	Midweek							
03 Nov 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-Sep-2023	Thursday		2	2	2			14	1028	41
29-Sep-2023	Friday		3	1	2					
30-Sep-2023	Saturday		2							
01-Oct-2023	Sunday	choppy	9	17	1			33	1047	89
02-Oct-2023	Monday	calm/rippled	1							
03-Oct-2023	Tuesday		0							
04-Oct-2023	Wednesday		0					13	1027	46
05-Oct-2023	Thursday	calm/rippled	7							
06-Oct-2023	Friday		0							
07-Oct-2023	Saturday	calm/rippled	23	6	1					
08-Oct-2023	Sunday	calm/rippled	7							
09-Oct-2023	Monday (Thanksgiving)		0							
10-Oct-2023	Tuesday	choppy	1							
11-Oct-2023	Wednesday	calm/rippled	4							
12-Oct-2023	Thursday	calm/rippled	4	5	1					
13-Oct-2023	Friday		0							
14-Oct-2023	Saturday	choppy	6							
15-Oct-2023	Sunday	calm/rippled	6							
16-Oct-2023	Monday		0							
17-Oct-2023	Tuesday		0							
18-Oct-2023	Wednesday		0							
19-Oct-2023	Thursday	calm/rippled	3							
20-Oct-2023	Friday		0							
21-Oct-2023	Saturday	choppy	4	5				96	1034	285
22-Oct-2023	Sunday	choppy	1							
23-Oct-2023	Monday	choppy	2	1						
24-Oct-2023	Tuesday		0					0	0955	0
25-Oct-2023	Wednesday		0							
26-Oct-2023	Thursday		0					2	1030	8
27-Oct-2023	Friday		0							
28-Oct-2023	Saturday		0					8	1049	19
29-Oct-2023	Sunday	calm/rippled	9	3						
30-Oct-2023	Monday	calm/rippled	5	1						
31-Oct-2023	Tuesday		0							
01-Nov-2023	Wednesday		0							
02-Nov-2023	Thursday		0							
03-Nov-2023	Friday		0							
	Totals	calm/rippled	27	7	1			5*		18*
	Totals	choppy	65	31	2			46*		131*

* 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	131	10	1310	0.477	0.031			625	41		
Midweek	18	21	378	0.259	0.037			98	14		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	October	1434	76	1	4	
2019	October	376	19			0
2020	October	942	0	3		0
2021	October	923	0	116		0
2022	October	1150	385	52	28	0
2023	October	1356	321	28		0
5-Yr Avg	October	965	96	43	16	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	28	100%	4%	71	60%	1%	1
Chinook	82	26%	7%	29	9%	21%	6

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	92	5%
iRec Anglers	1232	24%

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

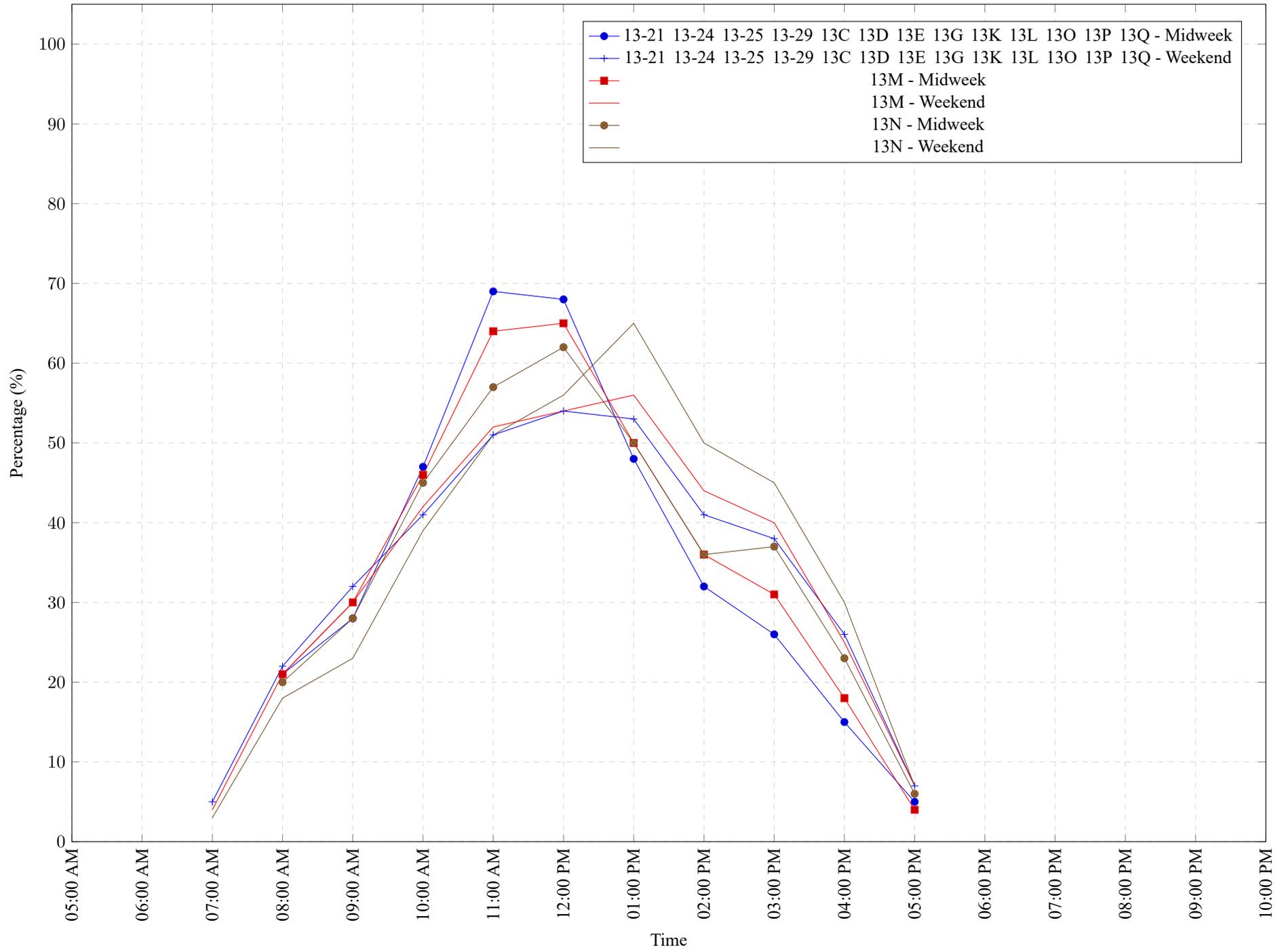


Table 7: Proportion of each day's fishing by hour.

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
13-21	13-24	13-25	13-29	13C	13D	13E	13G	13K	13L	13O	13P	13Q		Midweek	0%	0%	21%	28%	47%	69%	68%	48%	32%	26%	15%	5%	0%	0%	0%	0%	
13-21	13-24	13-25	13-29	13C	13D	13E	13G	13K	13L	13O	13P	13Q		Weekend	0%	5%	22%	32%	41%	51%	54%	53%	41%	38%	26%	7%	0%	0%	0%	0%	0%
													13M	Midweek	0%	0%	21%	30%	46%	64%	65%	50%	36%	31%	18%	4%	0%	0%	0%	0%	
													13M	Weekend	0%	4%	21%	30%	42%	52%	54%	56%	44%	40%	25%	7%	0%	0%	0%	0%	
													13N	Midweek	0%	0%	20%	28%	45%	57%	62%	50%	36%	37%	23%	6%	0%	0%	0%	0%	
													13N	Weekend	0%	3%	18%	23%	39%	51%	56%	65%	50%	45%	30%	7%	0%	0%	0%	0%	

Table 8: Daily Fishing Conditions.

Date	Day Type	Big Rock Boat Rental	Brown's Bay	Discovery Marina South	Pacific Play
28 Sep 2023	Midweek				
29 Sep 2023	Midweek				
30 Sep 2023	Weekend				
01 Oct 2023	Weekend			choppy	
02 Oct 2023	Midweek			calm/rippled	
03 Oct 2023	Midweek				
04 Oct 2023	Midweek				
05 Oct 2023	Midweek		calm/rippled		
06 Oct 2023	Midweek				
07 Oct 2023	Weekend	calm/rippled			
08 Oct 2023	Weekend		calm/rippled		
09 Oct 2023	Weekend				
10 Oct 2023	Midweek		choppy		
11 Oct 2023	Midweek	calm/rippled			
12 Oct 2023	Midweek			calm/rippled	
13 Oct 2023	Midweek				
14 Oct 2023	Weekend		choppy		
15 Oct 2023	Weekend		calm/rippled		
16 Oct 2023	Midweek				
17 Oct 2023	Midweek				
18 Oct 2023	Midweek				
19 Oct 2023	Midweek	calm/rippled			
20 Oct 2023	Midweek				
21 Oct 2023	Weekend	choppy			
22 Oct 2023	Weekend				choppy
23 Oct 2023	Midweek			choppy	
24 Oct 2023	Midweek				
25 Oct 2023	Midweek				
26 Oct 2023	Midweek				
27 Oct 2023	Midweek				
28 Oct 2023	Weekend				
29 Oct 2023	Weekend	calm/rippled			
30 Oct 2023	Midweek	calm/rippled			
31 Oct 2023	Midweek				
01 Nov 2023	Midweek				
02 Nov 2023	Midweek				
03 Nov 2023	Midweek				