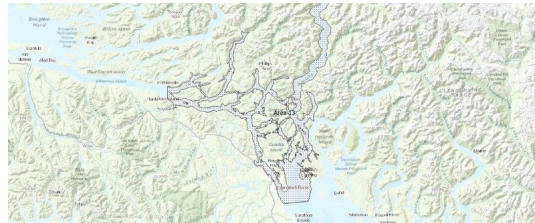


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 13 October 2022



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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	Big Rock Boat Rental		Brown's Bay		Discovery Marina South	
		AM	PM	AM	PM	AM	PM
28 Sep 2022	Midweek						
29 Sep 2022	Midweek						
30 Sep 2022	Midweek						
01 Oct 2022	Weekend					5	
02 Oct 2022	Weekend				7		
03 Oct 2022	Midweek		16				
04 Oct 2022	Midweek						
05 Oct 2022	Midweek						
06 Oct 2022	Midweek						
07 Oct 2022	Midweek			4			7
08 Oct 2022	Weekend	9					
09 Oct 2022	Weekend						
10 Oct 2022	Weekend		3				
11 Oct 2022	Midweek						
12 Oct 2022	Midweek						
13 Oct 2022	Midweek						
14 Oct 2022	Midweek						
15 Oct 2022	Weekend						10
16 Oct 2022	Weekend		17				
17 Oct 2022	Midweek				9		
18 Oct 2022	Midweek						
19 Oct 2022	Midweek						
20 Oct 2022	Midweek						
21 Oct 2022	Midweek	1					
22 Oct 2022	Weekend						
23 Oct 2022	Weekend			51			
24 Oct 2022	Midweek						
25 Oct 2022	Midweek						
26 Oct 2022	Midweek						
27 Oct 2022	Midweek						
28 Oct 2022	Midweek						
29 Oct 2022	Weekend						
30 Oct 2022	Weekend						
31 Oct 2022	Midweek	2					
01 Nov 2022	Midweek						
02 Nov 2022	Midweek						
03 Nov 2022	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-2022	Wednesday		0							
29-Sep-2022	Thursday		1							
30-Sep-2022	Friday		2		2					
01-Oct-2022	Saturday	calm/rippled	5	5						
02-Oct-2022	Sunday	calm/rippled	7	1	1			44	1110	69
03-Oct-2022	Monday	calm/rippled	16	1	1	1				
04-Oct-2022	Tuesday		0					13	1022	54
05-Oct-2022	Wednesday		0							
06-Oct-2022	Thursday		1					12	1137	21
07-Oct-2022	Friday	calm/rippled	11	13	1					
08-Oct-2022	Saturday	choppy	11	7						
09-Oct-2022	Sunday		0							
10-Oct-2022	Monday	choppy	3							
	(Thanksgiving)									
11-Oct-2022	Tuesday		0							
12-Oct-2022	Wednesday		0					20	1131	34
13-Oct-2022	Thursday		0							
14-Oct-2022	Friday		1							
15-Oct-2022	Saturday	calm/rippled	10	11						
16-Oct-2022	Sunday	calm/rippled	17	6	1			50	1134	81
17-Oct-2022	Monday	calm/rippled	9					16	1129	26
18-Oct-2022	Tuesday		0							
19-Oct-2022	Wednesday		0							
20-Oct-2022	Thursday		0							
21-Oct-2022	Friday	calm/rippled	1							
22-Oct-2022	Saturday		0							
23-Oct-2022	Sunday	calm/rippled	51							
24-Oct-2022	Monday		0							
25-Oct-2022	Tuesday		0							
26-Oct-2022	Wednesday		0							
27-Oct-2022	Thursday		0							
28-Oct-2022	Friday		0							
29-Oct-2022	Saturday		0					3	1116	5
30-Oct-2022	Sunday		0							
31-Oct-2022	Monday	choppy	2							
01-Nov-2022	Tuesday		0							
02-Nov-2022	Wednesday		0							
03-Nov-2022	Thursday		0							
	Totals	calm/rippled	41	14	2	1		15*		34*
	Totals	calm/rippled	104	30	2			32*		52*

* 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	34	20	680	0.341	0.049	0.024		232	33	16	
Weekend	52	11	572	0.288	0.019			165	11		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	October	1241	18	46		
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
5-Yr Avg	October	983	23	42	4	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	52	100%	6%	46	92%	7%	3
Chinook	97	25%	13%	46	9%	28%	13

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	145	6%
iRec Anglers	1548	19%

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

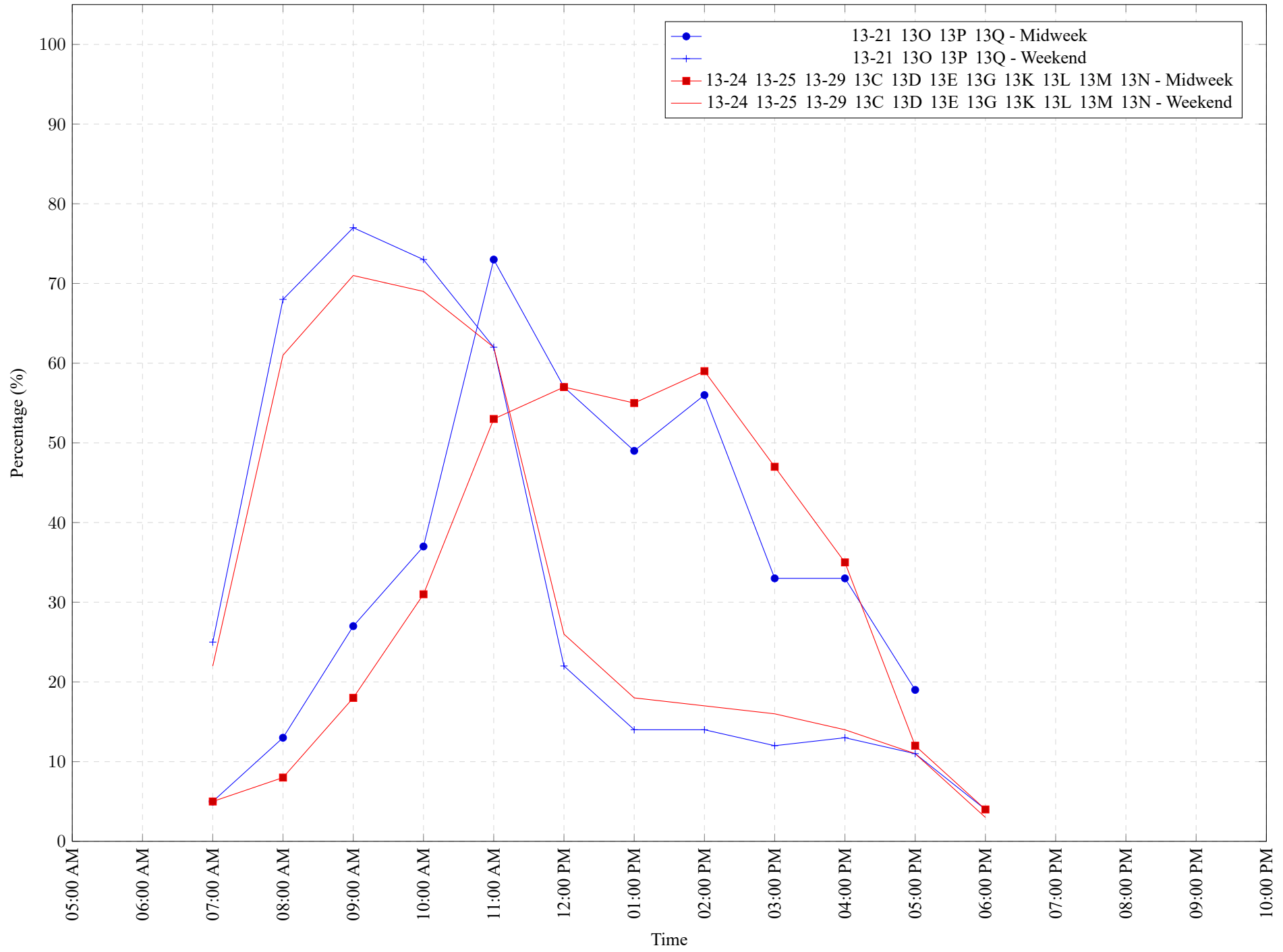


Table 7: Proportion of each day's fishing by hour.

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 13O 13P 13Q													Midweek	0%	5%	13%	27%	37%	73%	57%	49%	56%	33%	33%	19%	0%	0%	0%	0%	0%
13-21 13O 13P 13Q													Weekend	0%	25%	68%	77%	73%	62%	22%	14%	14%	12%	13%	11%	4%	0%	0%	0%	0%
13-24 13-25 13-29 13C 13D 13E 13G 13K 13L 13M 13N													Midweek	0%	5%	8%	18%	31%	53%	57%	55%	59%	47%	35%	12%	4%	0%	0%	0%	0%
13-24 13-25 13-29 13C 13D 13E 13G 13K 13L 13M 13N													Weekend	0%	22%	61%	71%	69%	62%	26%	18%	17%	16%	14%	11%	3%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Big Rock Boat Rental	Brown's Bay	Discovery Marina South
28 Sep 2022	Midweek			
29 Sep 2022	Midweek			
30 Sep 2022	Midweek			
01 Oct 2022	Weekend			calm/rippled
02 Oct 2022	Weekend		calm/rippled	
03 Oct 2022	Midweek	calm/rippled		
04 Oct 2022	Midweek			
05 Oct 2022	Midweek			
06 Oct 2022	Midweek			
07 Oct 2022	Midweek		calm/rippled	calm/rippled
08 Oct 2022	Weekend	choppy		
09 Oct 2022	Weekend			
10 Oct 2022	Weekend	choppy		
11 Oct 2022	Midweek			
12 Oct 2022	Midweek			
13 Oct 2022	Midweek			
14 Oct 2022	Midweek			
15 Oct 2022	Weekend			calm/rippled
16 Oct 2022	Weekend	calm/rippled		
17 Oct 2022	Midweek		calm/rippled	
18 Oct 2022	Midweek			
19 Oct 2022	Midweek			
20 Oct 2022	Midweek			
21 Oct 2022	Midweek	calm/rippled		
22 Oct 2022	Weekend			
23 Oct 2022	Weekend		calm/rippled	
24 Oct 2022	Midweek			
25 Oct 2022	Midweek			
26 Oct 2022	Midweek			
27 Oct 2022	Midweek			
28 Oct 2022	Midweek			
29 Oct 2022	Weekend			
30 Oct 2022	Weekend			
31 Oct 2022	Midweek	choppy		
01 Nov 2022	Midweek			
02 Nov 2022	Midweek			
03 Nov 2022	Midweek			