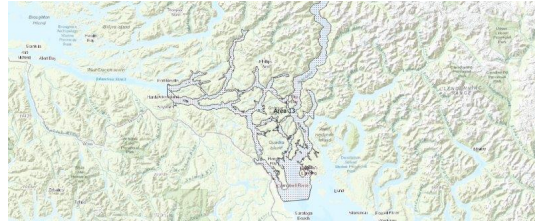


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 13 October 2021



Prepared By:

South Coast Salmon Stock Assessment Section

Saturday 12th February, 2022



Fisheries and Oceans
Canada

Pêches et Océans
Canada

**your
catch
counts**

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	
		PM	AM	PM	AM	PM
28 Sep 2021	Midweek					
29 Sep 2021	Midweek					
30 Sep 2021	Midweek					3
01 Oct 2021	Midweek					
02 Oct 2021	Weekend				1	
03 Oct 2021	Weekend					
04 Oct 2021	Midweek					
05 Oct 2021	Midweek					
06 Oct 2021	Midweek					
07 Oct 2021	Midweek					
08 Oct 2021	Midweek			11		
09 Oct 2021	Weekend					
10 Oct 2021	Weekend					
11 Oct 2021	Weekend					
12 Oct 2021	Midweek					
13 Oct 2021	Midweek					1
14 Oct 2021	Midweek					
15 Oct 2021	Midweek					
16 Oct 2021	Weekend					
17 Oct 2021	Weekend	3				
18 Oct 2021	Midweek			9		
19 Oct 2021	Midweek					
20 Oct 2021	Midweek					
21 Oct 2021	Midweek		1			
22 Oct 2021	Midweek					
23 Oct 2021	Weekend					
24 Oct 2021	Weekend			3		
25 Oct 2021	Midweek					
26 Oct 2021	Midweek					
27 Oct 2021	Midweek	1				
28 Oct 2021	Midweek					
29 Oct 2021	Midweek					
30 Oct 2021	Weekend					
31 Oct 2021	Weekend					
01 Nov 2021	Midweek					
02 Nov 2021	Midweek					
03 Nov 2021	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-2021	Tuesday		1		3					
29-Sep-2021	Wednesday		0							
30-Sep-2021	Thursday	calm/rippled	3		1					
01-Oct-2021	Friday		1							
02-Oct-2021	Saturday	large swells	2		3					
03-Oct-2021	Sunday		0					49	1111	91
04-Oct-2021	Monday		1							
05-Oct-2021	Tuesday		1		1					
06-Oct-2021	Wednesday		0					22	1049	45
07-Oct-2021	Thursday		1							
08-Oct-2021	Friday	calm/rippled	13		4					
09-Oct-2021	Saturday		4					16	1054	34
10-Oct-2021	Sunday		1							
11-Oct-2021	Monday		1							
	(Thanksgiving)									
12-Oct-2021	Tuesday		0							
13-Oct-2021	Wednesday	calm/rippled	1							
14-Oct-2021	Thursday		0					2	1041	5
15-Oct-2021	Friday		0							
16-Oct-2021	Saturday		0							
17-Oct-2021	Sunday	calm/rippled	3							
18-Oct-2021	Monday	calm/rippled	9		1					
19-Oct-2021	Tuesday		0					27	1055	45
20-Oct-2021	Wednesday		0							
21-Oct-2021	Thursday	choppy	1							
22-Oct-2021	Friday		0							
23-Oct-2021	Saturday		0							
24-Oct-2021	Sunday	choppy	3							
25-Oct-2021	Monday		0							
26-Oct-2021	Tuesday		0					3	1140	6
27-Oct-2021	Wednesday	calm/rippled	1							
28-Oct-2021	Thursday		0							
29-Oct-2021	Friday		0							
30-Oct-2021	Saturday		1					14	1105	19
31-Oct-2021	Sunday		0					19	1119	28
01-Nov-2021	Monday		0							
02-Nov-2021	Tuesday		0							
03-Nov-2021	Wednesday		0							
	Totals	calm/rippled	29		6			14*		25*
	Totals	choppy	15		3			25*		43*

* 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	43	11	473		0.2				95		
Midweek	25	20	500		0.207				104		

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
5-Yr Avg	October	998	28	17	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	90	78%	4%	5	71%	80%	4

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	41	8%
iRec Anglers	1235	15%

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

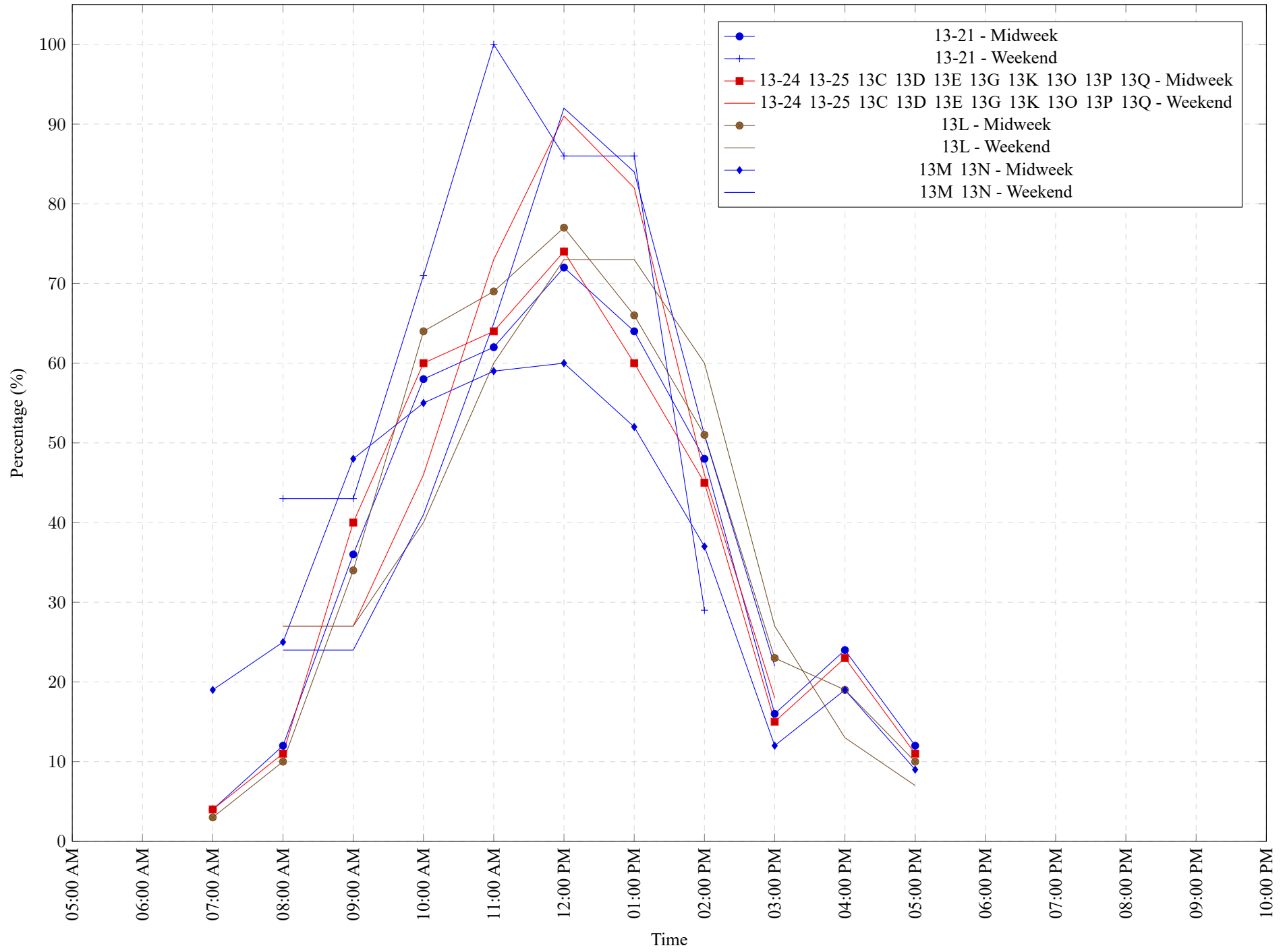


Table 7: Proportion of each day's fishing by hour.

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		Midweek	0%	4%	12%	36%	58%	62%	72%	64%	48%	16%	24%	12%	0%	0%	0%	0%	0%
13-21		Weekend	0%	0%	43%	43%	71%	100%	86%	86%	29%	0%	0%	0%	0%	0%	0%	0%	0%
13-24	13-25 13C 13D 13E 13G 13K 13O 13P 13Q	Midweek	0%	4%	11%	40%	60%	64%	74%	60%	45%	15%	23%	11%	0%	0%	0%	0%	0%
13-24	13-25 13C 13D 13E 13G 13K 13O 13P 13Q	Weekend	0%	0%	27%	27%	46%	73%	91%	82%	46%	18%	0%	0%	0%	0%	0%	0%	0%
13L		Midweek	0%	3%	10%	34%	64%	69%	77%	66%	51%	23%	19%	10%	0%	0%	0%	0%	0%
13L		Weekend	0%	0%	27%	27%	40%	60%	73%	73%	60%	27%	13%	7%	0%	0%	0%	0%	0%
13M 13N		Midweek	0%	19%	25%	48%	55%	59%	60%	52%	37%	12%	19%	9%	0%	0%	0%	0%	0%
13M 13N		Weekend	0%	0%	24%	24%	41%	65%	92%	84%	51%	22%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Big Rock Boat Rental	Brown's Bay	Discovery Marina South
28 Sep 2021	Midweek			
29 Sep 2021	Midweek			
30 Sep 2021	Midweek			calm/rippled
01 Oct 2021	Midweek			
02 Oct 2021	Weekend			large swells
03 Oct 2021	Weekend			
04 Oct 2021	Midweek			
05 Oct 2021	Midweek			
06 Oct 2021	Midweek			
07 Oct 2021	Midweek			
08 Oct 2021	Midweek		calm/rippled	
09 Oct 2021	Weekend			
10 Oct 2021	Weekend			
11 Oct 2021	Weekend			
12 Oct 2021	Midweek			
13 Oct 2021	Midweek			calm/rippled
14 Oct 2021	Midweek			
15 Oct 2021	Midweek			
16 Oct 2021	Weekend			
17 Oct 2021	Weekend	calm/rippled		
18 Oct 2021	Midweek		calm/rippled	
19 Oct 2021	Midweek			
20 Oct 2021	Midweek			
21 Oct 2021	Midweek		choppy	
22 Oct 2021	Midweek			
23 Oct 2021	Weekend			
24 Oct 2021	Weekend		choppy	
25 Oct 2021	Midweek			
26 Oct 2021	Midweek			
27 Oct 2021	Midweek	calm/rippled		
28 Oct 2021	Midweek			
29 Oct 2021	Midweek			
30 Oct 2021	Weekend			
31 Oct 2021	Weekend			
01 Nov 2021	Midweek			
02 Nov 2021	Midweek			
03 Nov 2021	Midweek			