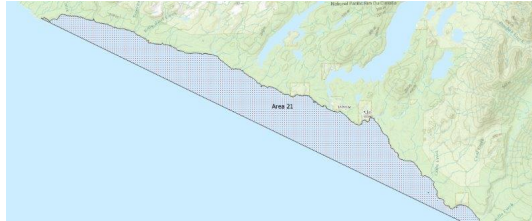


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 21 June 2022



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



Fisheries and Oceans
Canada

Pêches et Océans
Canada

**your
catch
counts**

The logo for 'Your Catch Counts' features the text 'your catch counts' in a bold, blue, sans-serif font. To the right of the text is a stylized blue icon of a person holding a fishing rod, with a fish jumping out of the water.

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

Date	Day Type	McKay Bay Gas Dock	Mills Landing	Pacific Gateway Marina		Port Renfrew Marina	
		MD	MD	MD	PM	AM	MD
29 May 2022	Weekend						
30 May 2022	Midweek						
31 May 2022	Midweek						
01 Jun 2022	Midweek						
02 Jun 2022	Midweek						
03 Jun 2022	Midweek						
04 Jun 2022	Weekend						
05 Jun 2022	Weekend						
06 Jun 2022	Midweek						
07 Jun 2022	Midweek	1		3			
08 Jun 2022	Midweek			4			
09 Jun 2022	Midweek			2			
10 Jun 2022	Midweek			3			
11 Jun 2022	Weekend			5			
12 Jun 2022	Weekend			3			
13 Jun 2022	Midweek						
14 Jun 2022	Midweek			4			
15 Jun 2022	Midweek						2
16 Jun 2022	Midweek			7			
17 Jun 2022	Midweek			7			1
18 Jun 2022	Weekend			7			
19 Jun 2022	Weekend				3		2
20 Jun 2022	Midweek			6			
21 Jun 2022	Midweek			2			
22 Jun 2022	Midweek						1
23 Jun 2022	Midweek						
24 Jun 2022	Midweek			9			
25 Jun 2022	Weekend			6			
26 Jun 2022	Weekend						
27 Jun 2022	Midweek			5			
28 Jun 2022	Midweek						
29 Jun 2022	Midweek	2		8			
30 Jun 2022	Midweek					2	2
01 Jul 2022	Weekend		1			1	
02 Jul 2022	Weekend			7			
03 Jul 2022	Weekend						2

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-May-2022	Sunday		0							
30-May-2022	Monday		0							
31-May-2022	Tuesday		0							
01-Jun-2022	Wednesday		0					0	0800	0
02-Jun-2022	Thursday		0							
03-Jun-2022	Friday		0							
04-Jun-2022	Saturday		0					2	0910	3
05-Jun-2022	Sunday		0							
06-Jun-2022	Monday		0							
07-Jun-2022	Tuesday	choppy	4	5						
08-Jun-2022	Wednesday	choppy	4	9						
09-Jun-2022	Thursday	large swells	2	4				0	0752	0
10-Jun-2022	Friday	choppy	3	2						
11-Jun-2022	Saturday	choppy	5	5						
12-Jun-2022	Sunday	choppy	3	5			1	5	0900	6
13-Jun-2022	Monday		0					0	0845	0
14-Jun-2022	Tuesday	frequent whitecaps	4	24						
15-Jun-2022	Wednesday	calm/rippled	2	2						
16-Jun-2022	Thursday	calm/rippled	7	43						
17-Jun-2022	Friday	frequent whitecaps	8	55						
18-Jun-2022	Saturday	choppy	7	51				8	0856	12
19-Jun-2022	Sunday	choppy	5	17			1			
20-Jun-2022	Monday	calm/rippled	6	32			1			
21-Jun-2022	Tuesday	calm/rippled	2	10						
22-Jun-2022	Wednesday	frequent whitecaps	1	6						
23-Jun-2022	Thursday		0					6	0855	7
24-Jun-2022	Friday	calm/rippled	9	18			1			
25-Jun-2022	Saturday	choppy	6	16	1			11	0910	14
26-Jun-2022	Sunday		0							
27-Jun-2022	Monday	choppy	5	18						
28-Jun-2022	Tuesday		0					1	0902	1
29-Jun-2022	Wednesday	calm/rippled	10	26	1					
30-Jun-2022	Thursday	choppy	4	12						
01-Jul-2022	Friday (Canada Day)	choppy	2	4				11	0924	14
02-Jul-2022	Saturday	calm/rippled	7	19						
03-Jul-2022	Sunday	choppy	2	4			1			
	Totals	choppy	71	266	1		2	1*		2*
	Totals	choppy	26	94	1		2	7*		9*

* 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	9	8	72	3.615	0.038		0.077	260	3		6
Midweek	2	22	44	3.746	0.014		0.028	165	1		1

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	June	81	146			4
2018	June	99	369			10
2019	June	112	168	22		16
2020	June	193	192	9		28
2021	June	478	699	26	0	93
2022	June	223	822	5		11
5-Yr Avg	June	193	315	19	0	30

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
Chinook	368	48%	14%	228	53%	22%	50

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	97	81%
iRec Anglers	626	60%

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

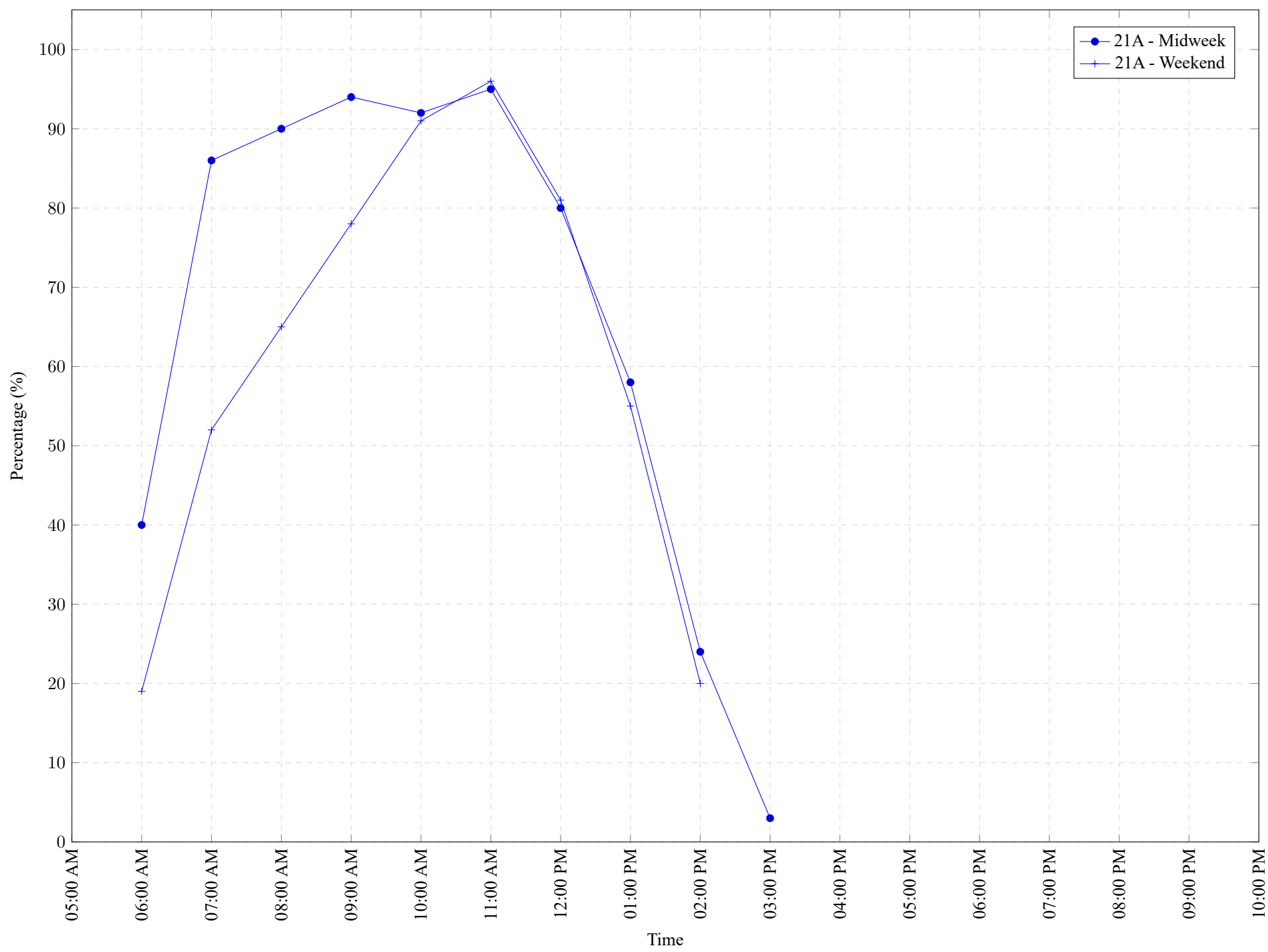


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00	7:00	8:00	9:00	10:00	11:00	12:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00
		AM	AM	AM	AM	AM	AM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
21A	Midweek	40%	86%	90%	94%	92%	95%	80%	58%	24%	3%	0%	0%	0%	0%	0%	0%	0%
21A	Weekend	19%	52%	65%	78%	91%	96%	81%	55%	20%	0%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	McKay Bay Gas Dock	Mills Landing	Pacific Gateway Marina	Port Renfrew Marina
29 May 2022	Weekend				
30 May 2022	Midweek				
31 May 2022	Midweek				
01 Jun 2022	Midweek				
02 Jun 2022	Midweek				
03 Jun 2022	Midweek				
04 Jun 2022	Weekend				
05 Jun 2022	Weekend				
06 Jun 2022	Midweek				
07 Jun 2022	Midweek	frequent whitecaps		choppy	
08 Jun 2022	Midweek			choppy	
09 Jun 2022	Midweek			large swells	
10 Jun 2022	Midweek			choppy	
11 Jun 2022	Weekend			choppy	
12 Jun 2022	Weekend			choppy	
13 Jun 2022	Midweek				
14 Jun 2022	Midweek			frequent whitecaps	
15 Jun 2022	Midweek				calm/rippled
16 Jun 2022	Midweek			calm/rippled	
17 Jun 2022	Midweek			frequent whitecaps	calm/rippled
18 Jun 2022	Weekend			choppy	
19 Jun 2022	Weekend			choppy	choppy
20 Jun 2022	Midweek			calm/rippled	
21 Jun 2022	Midweek			calm/rippled	
22 Jun 2022	Midweek				frequent whitecaps
23 Jun 2022	Midweek				
24 Jun 2022	Midweek			calm/rippled	
25 Jun 2022	Weekend			choppy	
26 Jun 2022	Weekend				
27 Jun 2022	Midweek			choppy	
28 Jun 2022	Midweek				
29 Jun 2022	Midweek	choppy		calm/rippled	
30 Jun 2022	Midweek				calm/rippled
01 Jul 2022	Weekend		choppy		choppy
02 Jul 2022	Weekend			calm/rippled	
03 Jul 2022	Weekend				choppy