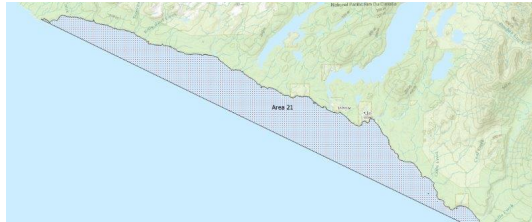


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 21 July 2022



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



Fisheries and Oceans
Canada

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Canada



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

		McKay Bay Gas Dock	Mills Landing	Pacific Gateway Marina			Port Renfrew Marina			Ucluelet Gov Dock	
Date	Day Type	MD	MD	AM	MD	PM	AM	MD	PM	MD	
28 Jun 2022	Midweek	2									
29 Jun 2022	Midweek			8							
30 Jun 2022	Midweek						2	2			
01 Jul 2022	Weekend		1	1							
02 Jul 2022	Weekend	7									
03 Jul 2022	Weekend				2						
04 Jul 2022	Midweek			7							
05 Jul 2022	Midweek										
06 Jul 2022	Midweek			2							
07 Jul 2022	Midweek				11						
08 Jul 2022	Midweek				11					3	
09 Jul 2022	Weekend			9							3
10 Jul 2022	Weekend			8							
11 Jul 2022	Midweek										2
12 Jul 2022	Midweek			5							
13 Jul 2022	Midweek			3							
14 Jul 2022	Midweek				10						
15 Jul 2022	Midweek										3
16 Jul 2022	Weekend			5							
17 Jul 2022	Weekend										
18 Jul 2022	Midweek			7							
19 Jul 2022	Midweek										
20 Jul 2022	Midweek			5							
21 Jul 2022	Midweek			5							
22 Jul 2022	Midweek			6							
23 Jul 2022	Weekend										
24 Jul 2022	Weekend										
25 Jul 2022	Midweek			4							1
26 Jul 2022	Midweek			3							
27 Jul 2022	Midweek			1							
28 Jul 2022	Midweek			2							
29 Jul 2022	Midweek										
30 Jul 2022	Weekend										1
31 Jul 2022	Weekend			2							
01 Aug 2022	Weekend										
02 Aug 2022	Midweek										
03 Aug 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-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	12
02-Jul-2022	Saturday	calm/rippled	7	19						
03-Jul-2022	Sunday	choppy	2	4			1			
04-Jul-2022	Monday	calm/rippled	7	17						
05-Jul-2022	Tuesday		0							
06-Jul-2022	Wednesday	calm/rippled	2	8				9	0851	12
07-Jul-2022	Thursday	calm/rippled	11	48			1			
08-Jul-2022	Friday	choppy	14	50	9					
09-Jul-2022	Saturday	calm/rippled	12	45	4			21	0845	25
10-Jul-2022	Sunday	choppy	8	53						
11-Jul-2022	Monday	calm/rippled	2	6						
12-Jul-2022	Tuesday	frequent whitecaps	5	21	1			0	0952	0
13-Jul-2022	Wednesday	large swells	3	19						
14-Jul-2022	Thursday	choppy	10	66						
15-Jul-2022	Friday	choppy	3	10						
16-Jul-2022	Saturday	calm/rippled	5	8			3			
17-Jul-2022	Sunday		0					3	0849	4
18-Jul-2022	Monday	large swells	7	18	3			0	0927	0
19-Jul-2022	Tuesday		0							
20-Jul-2022	Wednesday	calm/rippled	5	25	1					
21-Jul-2022	Thursday	choppy	5	24	3					
22-Jul-2022	Friday	calm/rippled	6	31	4					
23-Jul-2022	Saturday		0					4	0854	5
24-Jul-2022	Sunday		0							
25-Jul-2022	Monday	choppy	5	14	3					
26-Jul-2022	Tuesday	choppy	3	17				1	0906	1
27-Jul-2022	Wednesday	calm/rippled	1	1						
28-Jul-2022	Thursday	calm/rippled	2	10			2			
29-Jul-2022	Friday		0							
30-Jul-2022	Saturday	choppy	1	1						
31-Jul-2022	Sunday	choppy	2	1			4			
01-Aug-2022	Monday (B.C. Day)		0							
02-Aug-2022	Tuesday		0							
03-Aug-2022	Wednesday		0							
	Totals	choppy	91	385	24		3	3*		3*
	Totals	choppy	39	135	4		8	10*		12*

* 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	12	11	132	3.462	0.103		0.205	457	14		27
Midweek	3	20	60	4.231	0.264		0.033	254	16		2

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	July	83	178	12		
2018	July	158	625	21		
2019	July	124	311	25		10
2020	July	73	183	47		14
2021	July	193	595	46	1	20
2022	July	244	936	45		29
5-Yr Avg	July	126	378	30	1	15

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	389	45%	8%	274	35%	11%	30

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	130	70%
iRec Anglers	1055	70%

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

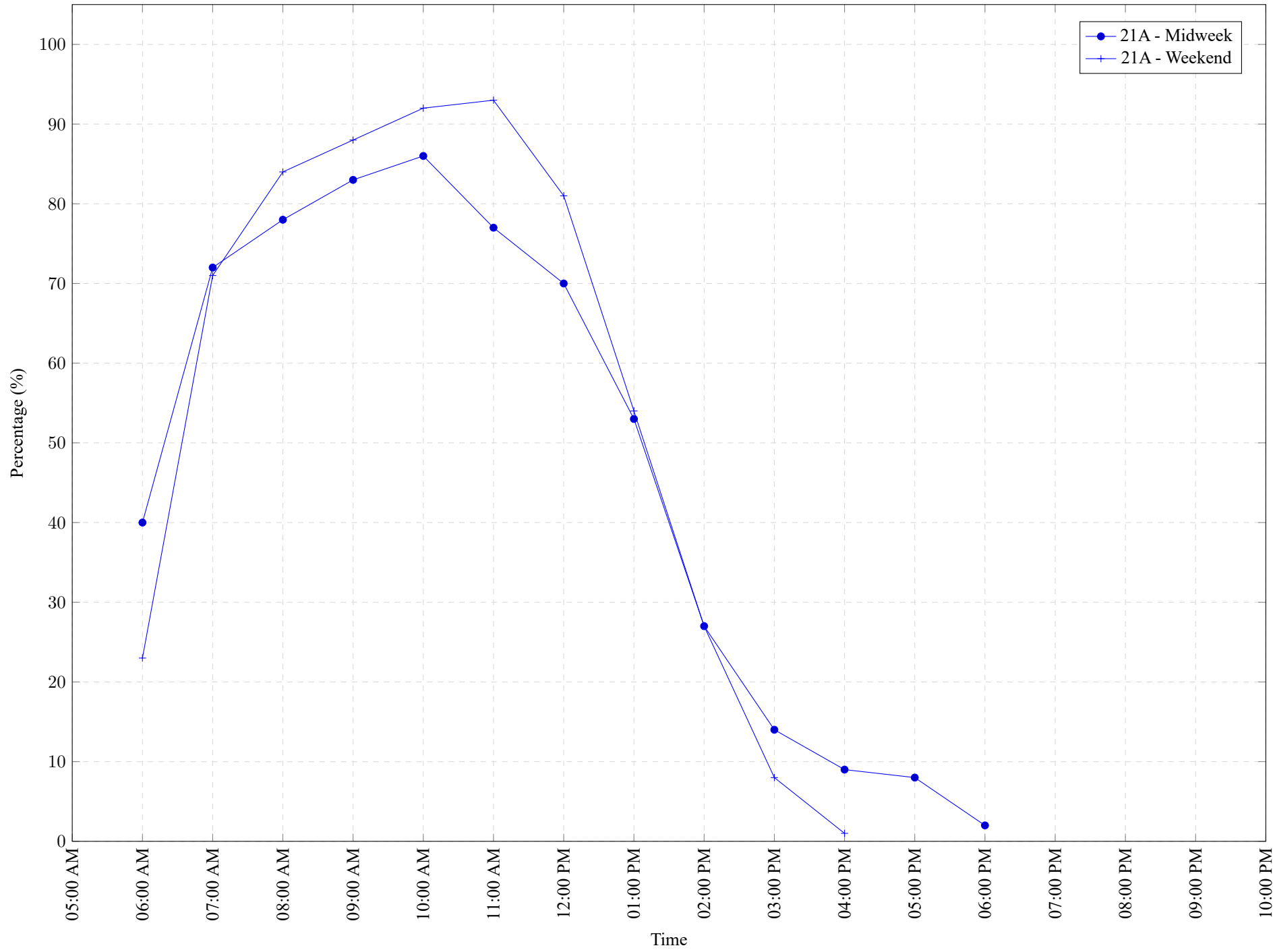


Table 7: Proportion of each day's fishing by hour.

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%	72%	78%	83%	86%	77%	70%	53%	27%	14%	9%	8%	2%	0%	0%	0%	0%
21A	Weekend	23%	71%	84%	88%	92%	93%	81%	54%	27%	8%	1%	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	Ucluelet Gov Dock
28 Jun 2022	Midweek	choppy		calm/rippled	calm/rippled	
29 Jun 2022	Midweek					
30 Jun 2022	Midweek					
01 Jul 2022	Weekend		choppy	calm/rippled	choppy	
02 Jul 2022	Weekend					
03 Jul 2022	Weekend					
04 Jul 2022	Midweek			calm/rippled		
05 Jul 2022	Midweek					
06 Jul 2022	Midweek					
07 Jul 2022	Midweek			calm/rippled	calm/rippled	
08 Jul 2022	Midweek					
09 Jul 2022	Weekend					
10 Jul 2022	Weekend			calm/rippled	calm/rippled	
11 Jul 2022	Midweek					
12 Jul 2022	Midweek					
13 Jul 2022	Midweek			frequent whitecaps large swells		
14 Jul 2022	Midweek					
15 Jul 2022	Midweek					
16 Jul 2022	Weekend			calm/rippled	choppy	
17 Jul 2022	Weekend					
18 Jul 2022	Midweek					
19 Jul 2022	Midweek			large swells		
20 Jul 2022	Midweek					
21 Jul 2022	Midweek					
22 Jul 2022	Midweek			calm/rippled		
23 Jul 2022	Weekend					
24 Jul 2022	Weekend					
25 Jul 2022	Midweek			frequent whitecaps choppy	calm/rippled	
26 Jul 2022	Midweek					
27 Jul 2022	Midweek					
28 Jul 2022	Midweek			calm/rippled		
29 Jul 2022	Midweek					
30 Jul 2022	Weekend					
31 Jul 2022	Weekend				choppy	choppy
01 Aug 2022	Weekend					
02 Aug 2022	Midweek					
03 Aug 2022	Midweek					