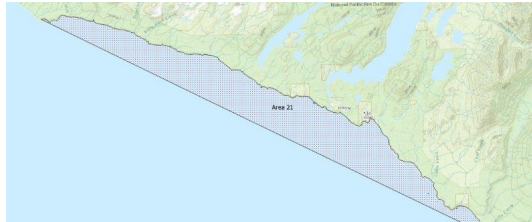


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 21 August 2021



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.

Date	Day Type	Island West MD	Pacific Gateway Marina MD	PM
29 Jul 2021	Midweek			1
30 Jul 2021	Midweek		12	
31 Jul 2021	Weekend			
01 Aug 2021	Weekend			
02 Aug 2021	Weekend		6	
03 Aug 2021	Midweek		4	
04 Aug 2021	Midweek		4	
05 Aug 2021	Midweek			
06 Aug 2021	Midweek			
07 Aug 2021	Weekend	1		
08 Aug 2021	Weekend			
09 Aug 2021	Midweek			
10 Aug 2021	Midweek			
11 Aug 2021	Midweek			
12 Aug 2021	Midweek			
13 Aug 2021	Midweek			
14 Aug 2021	Weekend			
15 Aug 2021	Weekend			
16 Aug 2021	Midweek			
17 Aug 2021	Midweek			
18 Aug 2021	Midweek			
19 Aug 2021	Midweek			
20 Aug 2021	Midweek			
21 Aug 2021	Weekend			
22 Aug 2021	Weekend			
23 Aug 2021	Midweek			
24 Aug 2021	Midweek			
25 Aug 2021	Midweek			
26 Aug 2021	Midweek			
27 Aug 2021	Midweek			
28 Aug 2021	Weekend			
29 Aug 2021	Weekend			
30 Aug 2021	Midweek			
31 Aug 2021	Midweek			
01 Sep 2021	Midweek			
02 Sep 2021	Midweek			
03 Sep 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
29-Jul-2021	Thursday	choppy	1	1						
30-Jul-2021	Friday	calm/rippled	12	30	2		4			
31-Jul-2021	Saturday		0							
01-Aug-2021	Sunday		0							
02-Aug-2021	Monday (B.C. Day)	calm/rippled	6	31						
03-Aug-2021	Tuesday	choppy	4	15	1					
04-Aug-2021	Wednesday	choppy	4	4	2		3			
05-Aug-2021	Thursday		0							
06-Aug-2021	Friday		0							
07-Aug-2021	Saturday	choppy	1	2						
08-Aug-2021	Sunday		0					1	0856	1
09-Aug-2021	Monday		0							
10-Aug-2021	Tuesday		0							
11-Aug-2021	Wednesday		0					0	0857	0
12-Aug-2021	Thursday		0							
13-Aug-2021	Friday		0							
14-Aug-2021	Saturday		0							
15-Aug-2021	Sunday		0							
16-Aug-2021	Monday		0							
17-Aug-2021	Tuesday		0					3	1027	3
18-Aug-2021	Wednesday		0							
19-Aug-2021	Thursday		0							
20-Aug-2021	Friday		0							
21-Aug-2021	Saturday		0							
22-Aug-2021	Sunday		0					13	0857	14
23-Aug-2021	Monday		0							
24-Aug-2021	Tuesday		0					0	0900	0
25-Aug-2021	Wednesday		0							
26-Aug-2021	Thursday		0							
27-Aug-2021	Friday		0							
28-Aug-2021	Saturday		0							
29-Aug-2021	Sunday		0							
30-Aug-2021	Monday		0							
31-Aug-2021	Tuesday		0					1	0915	1
01-Sep-2021	Wednesday		0							
02-Sep-2021	Thursday		0					1	0900	1
03-Sep-2021	Friday		0							
	Totals	choppy	8	19	3		3	1*		1*
	Totals	choppy	7	33				7*		8*

* 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	8	10	80	4.714				377			
Midweek	1	21	21	2.375	0.375		0.375	50	8		8

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	August	329	1024			16
2017	August	161	175	28		5
2018	August	427	346	150	126	40
2019	August	275	892	75		8
2020	August	100	157	84		44
2021	August	99	398	15	0	7
5-Yr Avg	August	258	519	84	126	23

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	153	38%	3%	87	7%	6%	5

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	15	80%
iRec Anglers	1130	12%

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

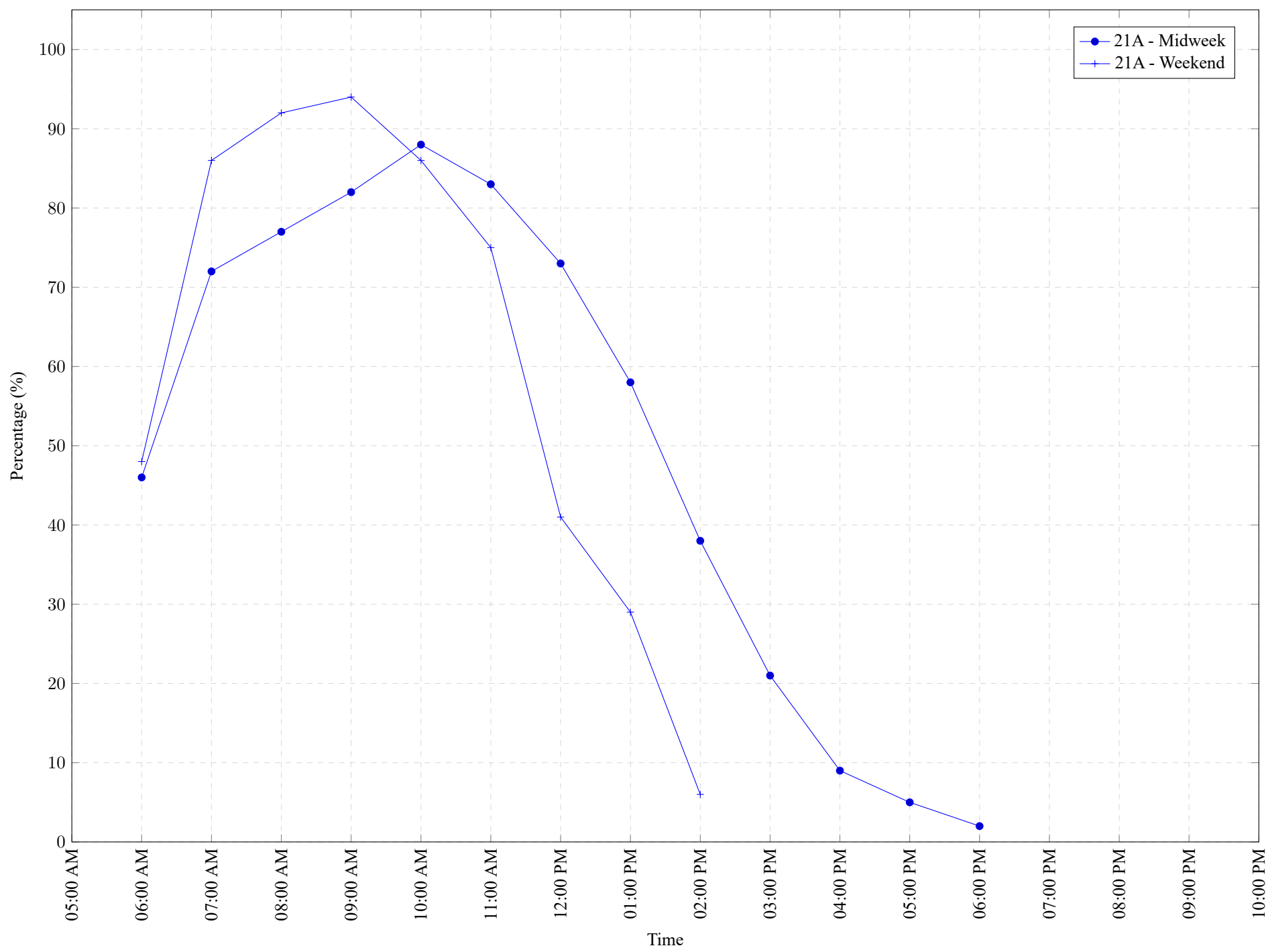


Table 7: Proportion of each day's fishing by hour.

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	46%	72%	77%	82%	88%	83%	73%	58%	38%	21%	9%	5%	2%	0%	0%	0%	0%
21A	Weekend	48%	86%	92%	94%	86%	75%	41%	29%	6%	0%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Island West	Pacific Gateway Marina
29 Jul 2021	Midweek		choppy
30 Jul 2021	Midweek		calm/rippled
31 Jul 2021	Weekend		
01 Aug 2021	Weekend		
02 Aug 2021	Weekend		calm/rippled
03 Aug 2021	Midweek		choppy
04 Aug 2021	Midweek		choppy
05 Aug 2021	Midweek		
06 Aug 2021	Midweek		
07 Aug 2021	Weekend	choppy	
08 Aug 2021	Weekend		
09 Aug 2021	Midweek		
10 Aug 2021	Midweek		
11 Aug 2021	Midweek		
12 Aug 2021	Midweek		
13 Aug 2021	Midweek		
14 Aug 2021	Weekend		
15 Aug 2021	Weekend		
16 Aug 2021	Midweek		
17 Aug 2021	Midweek		
18 Aug 2021	Midweek		
19 Aug 2021	Midweek		
20 Aug 2021	Midweek		
21 Aug 2021	Weekend		
22 Aug 2021	Weekend		
23 Aug 2021	Midweek		
24 Aug 2021	Midweek		
25 Aug 2021	Midweek		
26 Aug 2021	Midweek		
27 Aug 2021	Midweek		
28 Aug 2021	Weekend		
29 Aug 2021	Weekend		
30 Aug 2021	Midweek		
31 Aug 2021	Midweek		
01 Sep 2021	Midweek		
02 Sep 2021	Midweek		
03 Sep 2021	Midweek		