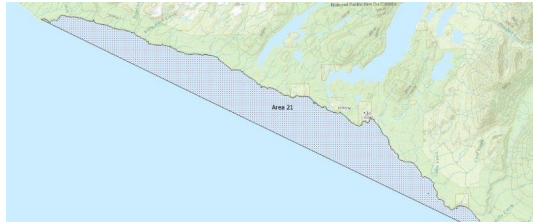


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 21 August 2019



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



Fisheries and Oceans
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Canada



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

Date	Day Type	Pacific Gateway Marina		Port Renfrew Marina		
		MD	PM	AM	MD	PM
29 Jul 2019	Midweek	8				
30 Jul 2019	Midweek					
31 Jul 2019	Midweek					
01 Aug 2019	Midweek					
02 Aug 2019	Midweek					
03 Aug 2019	Weekend					
04 Aug 2019	Weekend	1				
05 Aug 2019	Weekend					
06 Aug 2019	Midweek	3				
07 Aug 2019	Midweek					
08 Aug 2019	Midweek				2	
09 Aug 2019	Midweek	1				
10 Aug 2019	Weekend					
11 Aug 2019	Weekend					
12 Aug 2019	Midweek					
13 Aug 2019	Midweek					
14 Aug 2019	Midweek					
15 Aug 2019	Midweek					
16 Aug 2019	Midweek					
17 Aug 2019	Weekend					
18 Aug 2019	Weekend				2	
19 Aug 2019	Midweek	4				
20 Aug 2019	Midweek				1	
21 Aug 2019	Midweek					
22 Aug 2019	Midweek	4				
23 Aug 2019	Midweek					
24 Aug 2019	Weekend					
25 Aug 2019	Weekend	1				
26 Aug 2019	Midweek					1
27 Aug 2019	Midweek	2				
28 Aug 2019	Midweek		4		1	
29 Aug 2019	Midweek	2				
30 Aug 2019	Midweek					
31 Aug 2019	Weekend	7				
01 Sep 2019	Weekend			1		
02 Sep 2019	Weekend	7				
03 Sep 2019	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-2019	Monday	choppy	8	24						
30-Jul-2019	Tuesday		0					2	0853	3
31-Jul-2019	Wednesday		1	7	10					
01-Aug-2019	Thursday		0							
02-Aug-2019	Friday		0							
03-Aug-2019	Saturday		1	3	3					
04-Aug-2019	Sunday	calm/rippled	1	5	1			1	0855	1
05-Aug-2019	Monday (B.C. Day)		1	5	5					
06-Aug-2019	Tuesday	calm/rippled	3	13						
07-Aug-2019	Wednesday		0							
08-Aug-2019	Thursday	calm/rippled	2	2				13	0940	18
09-Aug-2019	Friday	choppy	1							
10-Aug-2019	Saturday		0					11	0848	14
11-Aug-2019	Sunday		0							
12-Aug-2019	Monday		1	6	2					
13-Aug-2019	Tuesday		0							
14-Aug-2019	Wednesday		0							
15-Aug-2019	Thursday		0							
16-Aug-2019	Friday		0							
17-Aug-2019	Saturday		0					15	0849	19
18-Aug-2019	Sunday	calm/rippled	2	4			1			
19-Aug-2019	Monday	calm/rippled	4	26	1			4	0943	6
20-Aug-2019	Tuesday	calm/rippled	1	6						
21-Aug-2019	Wednesday		0							
22-Aug-2019	Thursday	calm/rippled	4	1	5		1			
23-Aug-2019	Friday		0							
24-Aug-2019	Saturday		0							
25-Aug-2019	Sunday	calm/rippled	2	8						
26-Aug-2019	Monday	calm/rippled	1	3						
27-Aug-2019	Tuesday	calm/rippled	3	11						
28-Aug-2019	Wednesday	calm/rippled	5	6						
29-Aug-2019	Thursday	calm/rippled	2	4				3	0945	4
30-Aug-2019	Friday		0							
31-Aug-2019	Saturday	calm/rippled	7	32	2			7	0909	8
01-Sep-2019	Sunday	calm/rippled	1	1						
02-Sep-2019	Monday (Labour Day)	calm/rippled	7	22	1					
03-Sep-2019	Tuesday		0							
	Totals	calm/rippled	27	78	8		1	7*		9*
	Totals	calm/rippled	14	57	11		1	9*		11*

* 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	11	10	110	4.0710	0.7860		0.0710	448	86		8
Midweek	9	21	189	2.8890	0.2960		0.0370	546	56		7

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	August	203	30	637		
2015	August	433	1771			72
2016	August	347	1074			21
2017	August	198	194	33		11
2018	August	427	346	150	126	40
2019	August	287	931	87		8
5-Yr Avg	August	322	683	273	126	36

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	77	89%	8%	93	100%	6%	6
Chinook	58	7%	28%	224	40%	7%	16

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	42	70%
iRec Anglers	958	51%
iRec Responses	21	24%

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

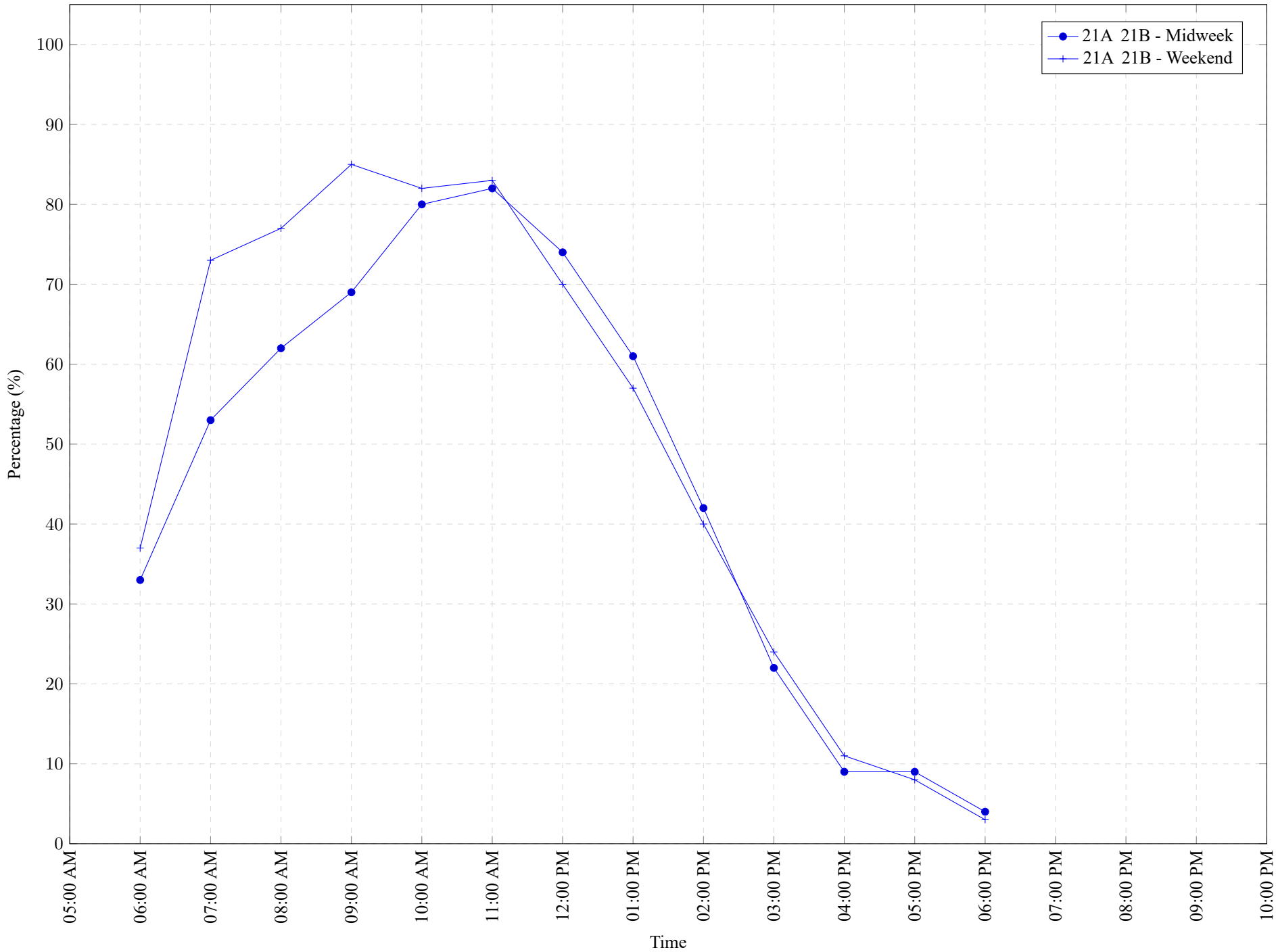


Table 7: Proportion of each day's fishing by hour.

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
21A	21B	Midweek	33%	53%	62%	69%	80%	82%	74%	61%	42%	22%	9%	9%	4%	0%	0%	0%	0%
21A	21B	Weekend	37%	73%	77%	85%	82%	83%	70%	57%	40%	24%	11%	8%	3%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Pacific Gateway Marina	Port Renfrew Marina
29 Jul 2019	Midweek	choppy	
30 Jul 2019	Midweek		
31 Jul 2019	Midweek		
01 Aug 2019	Midweek		
02 Aug 2019	Midweek		
03 Aug 2019	Weekend		
04 Aug 2019	Weekend	calm/rippled	
05 Aug 2019	Weekend		
06 Aug 2019	Midweek	calm/rippled	
07 Aug 2019	Midweek		
08 Aug 2019	Midweek		calm/rippled
09 Aug 2019	Midweek	choppy	
10 Aug 2019	Weekend		
11 Aug 2019	Weekend		
12 Aug 2019	Midweek		
13 Aug 2019	Midweek		
14 Aug 2019	Midweek		
15 Aug 2019	Midweek		
16 Aug 2019	Midweek		
17 Aug 2019	Weekend		
18 Aug 2019	Weekend		calm/rippled
19 Aug 2019	Midweek	calm/rippled	
20 Aug 2019	Midweek		calm/rippled
21 Aug 2019	Midweek		
22 Aug 2019	Midweek	calm/rippled	
23 Aug 2019	Midweek		
24 Aug 2019	Weekend		
25 Aug 2019	Weekend	calm/rippled	
26 Aug 2019	Midweek		calm/rippled
27 Aug 2019	Midweek	calm/rippled	
28 Aug 2019	Midweek	calm/rippled	calm/rippled
29 Aug 2019	Midweek	calm/rippled	
30 Aug 2019	Midweek		
31 Aug 2019	Weekend	calm/rippled	
01 Sep 2019	Weekend		calm/rippled
02 Sep 2019	Weekend	calm/rippled	
03 Sep 2019	Midweek		