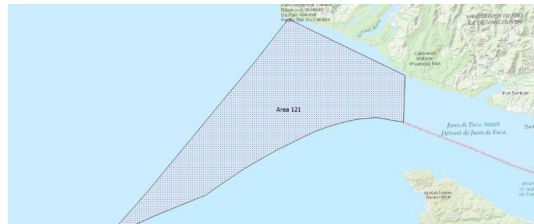


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 121 August 2021



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



Fisheries and Oceans
Canada

Pêches et Océans
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	MD
29 Jul 2021	Midweek		7	
30 Jul 2021	Midweek	16		
31 Jul 2021	Weekend			
01 Aug 2021	Weekend			
02 Aug 2021	Weekend	2		
03 Aug 2021	Midweek	2		
04 Aug 2021	Midweek	5		
05 Aug 2021	Midweek			
06 Aug 2021	Midweek			
07 Aug 2021	Weekend			
08 Aug 2021	Weekend			
09 Aug 2021	Midweek			1
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	2		
17 Aug 2021	Midweek			
18 Aug 2021	Midweek	2		
19 Aug 2021	Midweek			
20 Aug 2021	Midweek			
21 Aug 2021	Weekend			
22 Aug 2021	Weekend			
23 Aug 2021	Midweek			
24 Aug 2021	Midweek	2		
25 Aug 2021	Midweek			1
26 Aug 2021	Midweek	6		
27 Aug 2021	Midweek			
28 Aug 2021	Weekend			
29 Aug 2021	Weekend			
30 Aug 2021	Midweek			
31 Aug 2021	Midweek	2		
01 Sep 2021	Midweek			
02 Sep 2021	Midweek	3		
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	7	7	15		18			
30-Jul-2021	Friday	calm/rippled	16	7	19		36			
31-Jul-2021	Saturday		0							
01-Aug-2021	Sunday		0							
02-Aug-2021	Monday (B.C. Day)	calm/rippled	2				6			
03-Aug-2021	Tuesday	choppy	2				5	0	1007	0
04-Aug-2021	Wednesday	choppy	5		11		9			
05-Aug-2021	Thursday		0							
06-Aug-2021	Friday		0							
07-Aug-2021	Saturday		0							
08-Aug-2021	Sunday		0					8	0832	9
09-Aug-2021	Monday	calm/rippled	1	6						
10-Aug-2021	Tuesday		0							
11-Aug-2021	Wednesday		0					14	0839	18
12-Aug-2021	Thursday		0							
13-Aug-2021	Friday		0							
14-Aug-2021	Saturday		0							
15-Aug-2021	Sunday		0							
16-Aug-2021	Monday	choppy	2	1	7		4			
17-Aug-2021	Tuesday		0					4	1003	4
18-Aug-2021	Wednesday	frequent whitecaps	2				4			
19-Aug-2021	Thursday		0							
20-Aug-2021	Friday		0							
21-Aug-2021	Saturday		0							
22-Aug-2021	Sunday		0					0	0834	0
23-Aug-2021	Monday		0							
24-Aug-2021	Tuesday	calm/rippled	2	3	6		3	13	0835	16
25-Aug-2021	Wednesday	choppy	1		1		2			
26-Aug-2021	Thursday	choppy	6		12		16			
27-Aug-2021	Friday		0							
28-Aug-2021	Saturday		0							
29-Aug-2021	Sunday		0							
30-Aug-2021	Monday		0							
31-Aug-2021	Tuesday	choppy	2	1	2		3	0	0851	0
01-Sep-2021	Wednesday		0							
02-Sep-2021	Thursday	choppy	3	1	18		2	4	0838	5
03-Sep-2021	Friday		0							
	Totals	choppy	23	11	39		46	6*		8*
	Totals	calm/rippled	2				6	4*		5*

* 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	5	10	50				3				150
Midweek	8	21	168	0.478	1.696		2	80	285		336

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	August	671	2361	278		700
2017	August	807	2483	2732		833
2018	August	1102	1335	4451	724	2298
2019	August	621	2017	1710		1130
2020	August	686	1201	1709		1498
2021	August	221	128	276	0	472
5-Yr Avg	August	777	1879	2176	724	1292

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	276	100%	5%	581	83%	2%	14
Chinook	30	25%	13%	254	41%	2%	4

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	25	72%
iRec Anglers	1026	49%

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

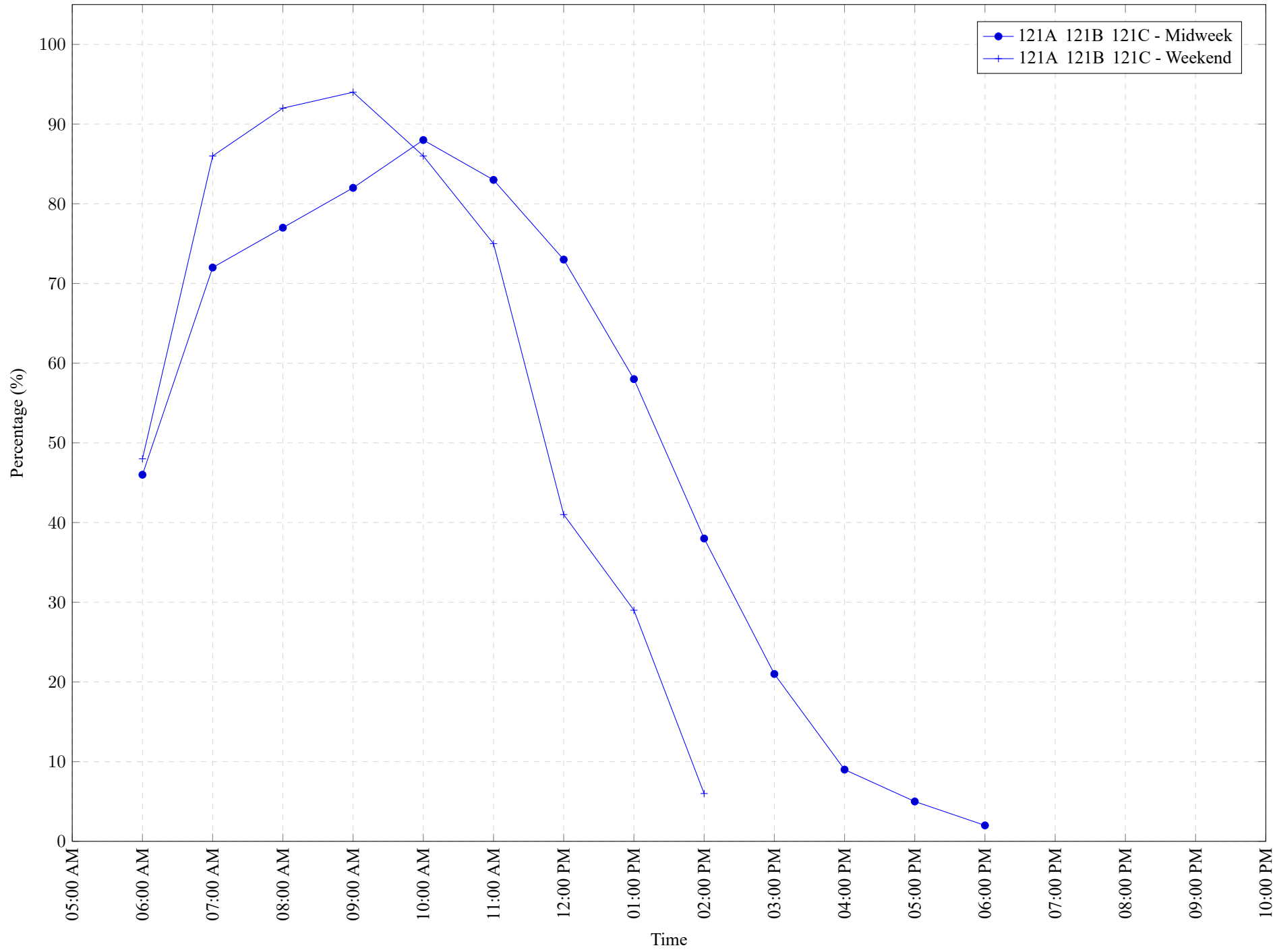


Table 7: Proportion of each day's fishing by hour.

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
121A	121B	121C	Midweek	46%	72%	77%	82%	88%	83%	73%	58%	38%	21%	9%	5%	2%	0%	0%	0%	0%
121A	121B	121C	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	Pacific Gateway Marina	Port Renfrew 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		
08 Aug 2021	Weekend		
09 Aug 2021	Midweek		calm/rippled
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	choppy	
17 Aug 2021	Midweek		
18 Aug 2021	Midweek	frequent whitecaps	
19 Aug 2021	Midweek		
20 Aug 2021	Midweek		
21 Aug 2021	Weekend		
22 Aug 2021	Weekend		
23 Aug 2021	Midweek		
24 Aug 2021	Midweek	calm/rippled	
25 Aug 2021	Midweek		choppy
26 Aug 2021	Midweek	choppy	
27 Aug 2021	Midweek		
28 Aug 2021	Weekend		
29 Aug 2021	Weekend		
30 Aug 2021	Midweek		
31 Aug 2021	Midweek	choppy	
01 Sep 2021	Midweek		
02 Sep 2021	Midweek	choppy	
03 Sep 2021	Midweek		