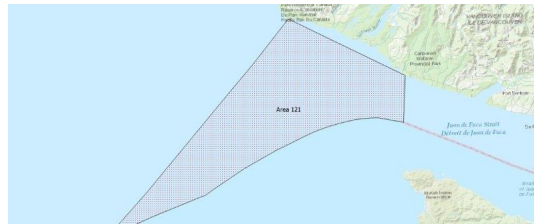


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 121 July 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Friday 10th November, 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	McKay Bay Gas Dock	Pacific Gateway Marina		Port Renfrew Marina
		PM	MD	PM	MD
28 Jun 2023	Midweek			1	
29 Jun 2023	Midweek				
30 Jun 2023	Midweek		3		
01 Jul 2023	Weekend				1
02 Jul 2023	Weekend		3		
03 Jul 2023	Weekend				
04 Jul 2023	Midweek		8		
05 Jul 2023	Midweek				1
06 Jul 2023	Midweek		8		
07 Jul 2023	Midweek				3
08 Jul 2023	Weekend		15		
09 Jul 2023	Weekend	1			6
10 Jul 2023	Midweek				
11 Jul 2023	Midweek				3
12 Jul 2023	Midweek		8		
13 Jul 2023	Midweek				
14 Jul 2023	Midweek		5		
15 Jul 2023	Weekend				1
16 Jul 2023	Weekend		7		
17 Jul 2023	Midweek				3
18 Jul 2023	Midweek				
19 Jul 2023	Midweek				3
20 Jul 2023	Midweek				
21 Jul 2023	Midweek				
22 Jul 2023	Weekend			4	
23 Jul 2023	Weekend				2
24 Jul 2023	Midweek		2		
25 Jul 2023	Midweek				1
26 Jul 2023	Midweek		12		
27 Jul 2023	Midweek				
28 Jul 2023	Midweek				
29 Jul 2023	Weekend				
30 Jul 2023	Weekend				
31 Jul 2023	Midweek				
01 Aug 2023	Midweek		13		
02 Aug 2023	Midweek				
03 Aug 2023	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-2023	Wednesday	choppy	1				3			
29-Jun-2023	Thursday		0							
30-Jun-2023	Friday	calm/rippled	3				9	7	1259	12
01-Jul-2023	Saturday	calm/rippled	1				2	0	0838	0
02-Jul-2023	Sunday	calm/rippled	3				8			
03-Jul-2023	Monday (Canada Day)		0							
04-Jul-2023	Tuesday	calm/rippled	8				19			
05-Jul-2023	Wednesday	calm/rippled	1				1	15	0854	18
06-Jul-2023	Thursday	frequent whitecaps	8				28			
07-Jul-2023	Friday	calm/rippled	3		1		11			
08-Jul-2023	Saturday	calm/rippled	15		44		64	45	0848	62
09-Jul-2023	Sunday	calm/rippled	7		2		17			
10-Jul-2023	Monday		0					13	0830	15
11-Jul-2023	Tuesday	calm/rippled	3				12			
12-Jul-2023	Wednesday	calm/rippled	8				34			
13-Jul-2023	Thursday		0							
14-Jul-2023	Friday	calm/rippled	5		1		10			
15-Jul-2023	Saturday	calm/rippled	1	3						
16-Jul-2023	Sunday	calm/rippled	7	6	2		3	0	1139	0
17-Jul-2023	Monday	calm/rippled	3	3			1			
18-Jul-2023	Tuesday		0							
19-Jul-2023	Wednesday	calm/rippled	3	1				17	0837	21
20-Jul-2023	Thursday		0							
21-Jul-2023	Friday		0							
22-Jul-2023	Saturday	choppy	4	12	8		8			
23-Jul-2023	Sunday	frequent whitecaps	2				6	9	0832	12
24-Jul-2023	Monday	calm/rippled	3	7	1		3			
25-Jul-2023	Tuesday	large swells	1					3	0839	3
26-Jul-2023	Wednesday	choppy	12	21	19		49			
27-Jul-2023	Thursday		0							
28-Jul-2023	Friday		0							
29-Jul-2023	Saturday		0					33	0835	45
30-Jul-2023	Sunday		0							
31-Jul-2023	Monday		0					5	0833	6
01-Aug-2023	Tuesday	calm/rippled	13	71	22		38			
02-Aug-2023	Wednesday		0					20	0828	24
03-Aug-2023	Thursday		0							
	Totals	choppy	58	32	22		168	11*		13*
	Totals	calm/rippled	40	21	56		108	17*		24*

* 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
Midweek	13	20	260	0.552	0.379		2.897	144	99		753
Weekend	24	11	264	0.525	1.4		2.7	139	370		713

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	July	1875	5581	3374		3681
2019	July	1708	2073	4914		5549
2020	July	789	667	1539	5	1917
2021	July	608	769	1913	9	1885
2022	July	765	2441	440		2457
2023	July	723	515	721		1852
5-Yr Avg	July	1149	2306	2436	7	3098

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	721	100%	1%	274	85%	2%	5
Chinook	176	35%	2%	289	61%	1%	3

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	97	66%
iRec Anglers	1317	79%

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

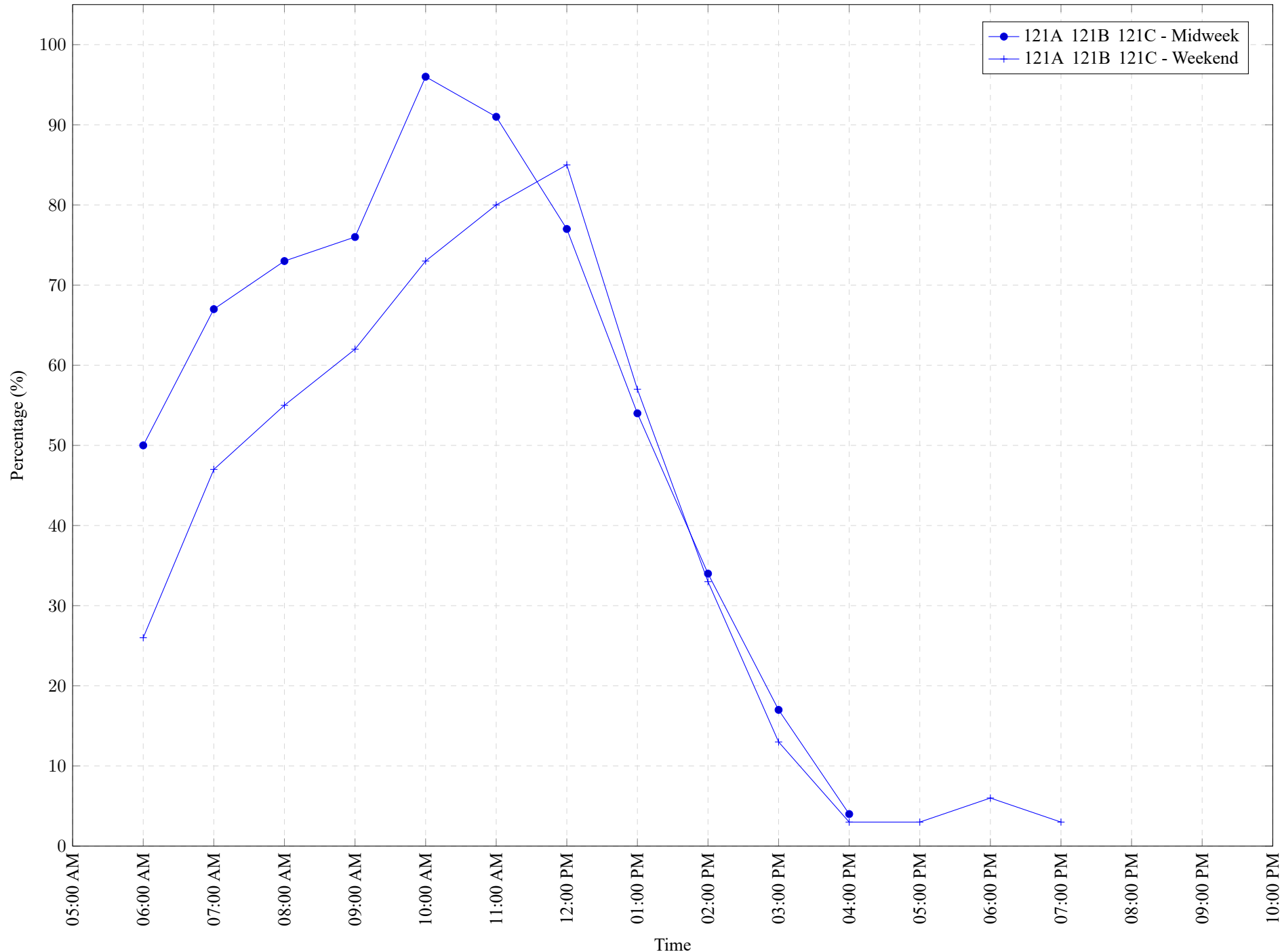


Table 7: Proportion of each day's fishing by hour.

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	50%	67%	73%	76%	96%	91%	77%	54%	34%	17%	4%	0%	0%	0%	0%	0%	0%
121A	121B	121C	Weekend	26%	47%	55%	62%	73%	80%	85%	57%	33%	13%	3%	3%	6%	3%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	McKay Bay Gas Dock	Pacific Gateway Marina	Port Renfrew Marina
28 Jun 2023	Midweek		choppy	
29 Jun 2023	Midweek			
30 Jun 2023	Midweek		calm/rippled	
01 Jul 2023	Weekend			calm/rippled
02 Jul 2023	Weekend		calm/rippled	
03 Jul 2023	Weekend			
04 Jul 2023	Midweek		calm/rippled	
05 Jul 2023	Midweek			calm/rippled
06 Jul 2023	Midweek		frequent whitecaps	
07 Jul 2023	Midweek			calm/rippled
08 Jul 2023	Weekend		calm/rippled	
09 Jul 2023	Weekend	calm/rippled		calm/rippled
10 Jul 2023	Midweek			
11 Jul 2023	Midweek			calm/rippled
12 Jul 2023	Midweek		calm/rippled	
13 Jul 2023	Midweek			
14 Jul 2023	Midweek		calm/rippled	
15 Jul 2023	Weekend			calm/rippled
16 Jul 2023	Weekend		calm/rippled	
17 Jul 2023	Midweek			calm/rippled
18 Jul 2023	Midweek			
19 Jul 2023	Midweek			calm/rippled
20 Jul 2023	Midweek			
21 Jul 2023	Midweek			
22 Jul 2023	Weekend		choppy	
23 Jul 2023	Weekend			frequent whitecaps
24 Jul 2023	Midweek		calm/rippled	
25 Jul 2023	Midweek			large swells
26 Jul 2023	Midweek		choppy	
27 Jul 2023	Midweek			
28 Jul 2023	Midweek			
29 Jul 2023	Weekend			
30 Jul 2023	Weekend			
31 Jul 2023	Midweek			
01 Aug 2023	Midweek		calm/rippled	
02 Aug 2023	Midweek			
03 Aug 2023	Midweek			