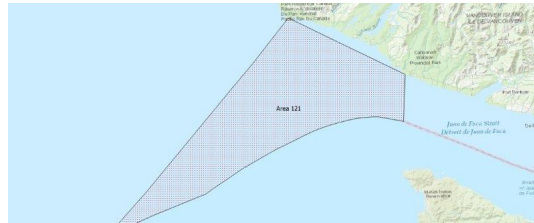


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 121 June 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	Mills Landing	Pacific Gateway Marina			Port Renfrew Marina
		MD	AM	MD	PM	MD
29 May 2021	Weekend					
30 May 2021	Weekend					
31 May 2021	Midweek					
01 Jun 2021	Midweek					
02 Jun 2021	Midweek					
03 Jun 2021	Midweek					
04 Jun 2021	Midweek			6		
05 Jun 2021	Weekend			2		
06 Jun 2021	Weekend			1		
07 Jun 2021	Midweek		1			
08 Jun 2021	Midweek					
09 Jun 2021	Midweek					
10 Jun 2021	Midweek				5	
11 Jun 2021	Midweek			5		
12 Jun 2021	Weekend			11		
13 Jun 2021	Weekend			1		
14 Jun 2021	Midweek			7		
15 Jun 2021	Midweek			9		
16 Jun 2021	Midweek					2
17 Jun 2021	Midweek					10
18 Jun 2021	Midweek			1		
19 Jun 2021	Weekend	1		11		
20 Jun 2021	Weekend					
21 Jun 2021	Midweek			8		
22 Jun 2021	Midweek			3		
23 Jun 2021	Midweek			6		
24 Jun 2021	Midweek			6		
25 Jun 2021	Midweek			12		
26 Jun 2021	Weekend			13		
27 Jun 2021	Weekend			14		
28 Jun 2021	Midweek			9		
29 Jun 2021	Midweek			8		
30 Jun 2021	Midweek			11		
01 Jul 2021	Weekend			7		
02 Jul 2021	Midweek			9		
03 Jul 2021	Weekend				8	

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-May-2021	Saturday		0							
30-May-2021	Sunday		0							
31-May-2021	Monday		0							
01-Jun-2021	Tuesday		0							
02-Jun-2021	Wednesday		0							
03-Jun-2021	Thursday		0							
04-Jun-2021	Friday	calm/rippled	6	1			26	8	0837	11
05-Jun-2021	Saturday	choppy	2				14	6	0832	6
06-Jun-2021	Sunday	choppy	1				8			
07-Jun-2021	Monday	calm/rippled	1				2			
08-Jun-2021	Tuesday		0					5	0827	7
09-Jun-2021	Wednesday		0							
10-Jun-2021	Thursday	calm/rippled	5				27			
11-Jun-2021	Friday	calm/rippled	5				26			
12-Jun-2021	Saturday	calm/rippled	11				59	21	0835	22
13-Jun-2021	Sunday	choppy	1				4			
14-Jun-2021	Monday	calm/rippled	7				29			
15-Jun-2021	Tuesday	calm/rippled	9				34			
16-Jun-2021	Wednesday	choppy	2				5			
17-Jun-2021	Thursday	choppy	10				20	15	0829	20
18-Jun-2021	Friday	choppy	1				6			
19-Jun-2021	Saturday	choppy	12				58	23	0834	24
20-Jun-2021	Sunday		0							
21-Jun-2021	Monday	choppy	8				30	5	0834	7
22-Jun-2021	Tuesday	calm/rippled	3				8			
23-Jun-2021	Wednesday	choppy	6				20			
24-Jun-2021	Thursday	calm/rippled	6				31			
25-Jun-2021	Friday	calm/rippled	13		7		47			
26-Jun-2021	Saturday	calm/rippled	13		21		55	36	0844	38
27-Jun-2021	Sunday	calm/rippled	14		4		66			
28-Jun-2021	Monday	choppy	9		1		31			
29-Jun-2021	Tuesday	calm/rippled	9				41			
30-Jun-2021	Wednesday	calm/rippled	11		8		40	13	0911	16
01-Jul-2021	Thursday (Canada Day)	calm/rippled	7		6		38			
02-Jul-2021	Friday	calm/rippled	9				35			
03-Jul-2021	Saturday	calm/rippled	8				27			
	Totals	calm/rippled	111	1	16		423	9*		12*
	Totals	choppy	54		25		264	22*		23*

* 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	12	22	264	0.009	0.144		3.811	2	38		1006
Weekend	23	8	184		0.463		4.889		85		900

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	June	556	1796	546		1434
2017	June	293	1246	335		382
2018	June	582	2115	109		1181
2019	June	234	0	150		651
2020	June	334	27	72		547
2021	June	408	0	123		1788
5-Yr Avg	June	400	1037	242		839

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
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Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	163	83%
iRec Anglers	695	67%

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

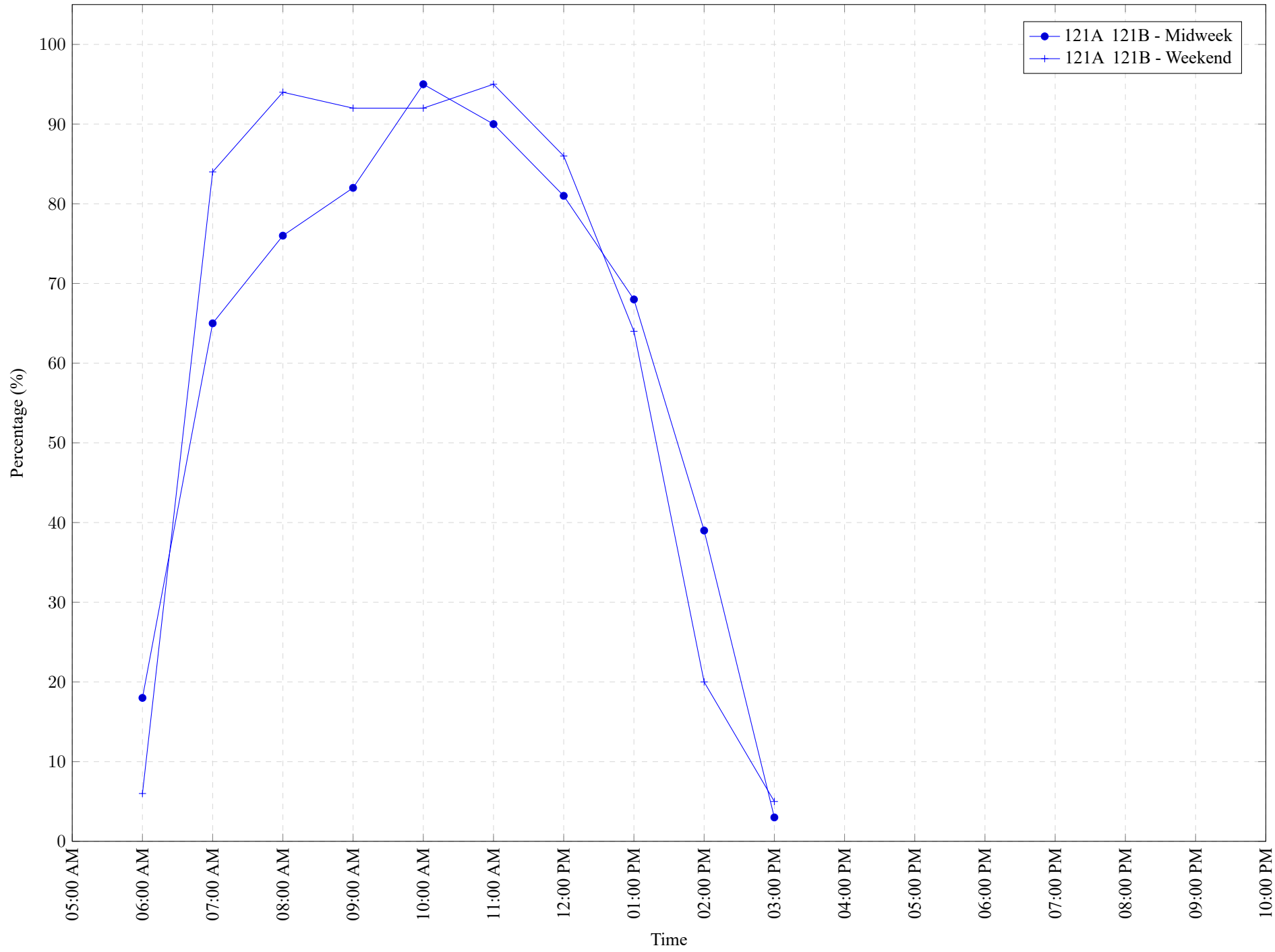


Table 7: Proportion of each day's fishing by hour.

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	Midweek	18%	65%	76%	82%	95%	90%	81%	68%	39%	3%	0%	0%	0%	0%	0%	0%	0%
121A	121B	Weekend	6%	84%	94%	92%	92%	95%	86%	64%	20%	5%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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