## FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

## Area 121 July 2021



## Prepared By: South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023

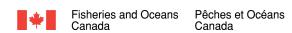




Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

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		Pacific (	Gateway Ma	rina	Ucluelet Gov Dock
Date	Day Type	AM	MD	PM	PM
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	
04 Jul 2021	Weekend		10		
05 Jul 2021	Midweek				
06 Jul 2021	Midweek		9		
07 Jul 2021	Midweek				
08 Jul 2021	Midweek		6		
09 Jul 2021	Midweek		8		
10 Jul 2021	Weekend		10		
11 Jul 2021	Weekend		9		1
12 Jul 2021	Midweek	1			
13 Jul 2021	Midweek			_	
14 Jul 2021	Midweek			2	
15 Jul 2021	Midweek		6		
16 Jul 2021	Midweek		6		
17 Jul 2021	Weekend		12		
18 Jul 2021	Weekend		14		
19 Jul 2021	Midweek		10		
20 Jul 2021	Midweek		12		
21 Jul 2021 22 Jul 2021	Midweek		12 13		
22 Jul 2021 23 Jul 2021	Midweek Midweek		13		
24 Jul 2021	Weekend		16		
25 Jul 2021	Weekend		12		
26 Jul 2021	Midweek		12		
27 Jul 2021	Midweek		11		
28 Jul 2021	Midweek		9		
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		

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-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	14
01-Jul-2021	Thursday	calm/rippled	7		6		38			
	(Canada Day)									
02-Jul-2021	Friday	calm/rippled	9				35			
03-Jul-2021	Saturday	calm/rippled	8				27			
04-Jul-2021	Sunday	calm/rippled	10		18		48	7	1045	7
05-Jul-2021	Monday		0							
06-Jul-2021	Tuesday	calm/rippled	9		9		57			
07-Jul-2021	Wednesday		0							
08-Jul-2021	Thursday	calm/rippled	6			2	36			
09-Jul-2021	Friday	calm/rippled	8		5		34			
10-Jul-2021	Saturday	calm/rippled	10		5		36			
11-Jul-2021	Sunday	calm/rippled	10		6		32			
12-Jul-2021	Monday	calm/rippled	1				1			
13-Jul-2021	Tuesday		0							
14-Jul-2021	Wednesday	calm/rippled	2				9			
15-Jul-2021	Thursday	calm/rippled	6	2	13		19			
16-Jul-2021	Friday	calm/rippled	6	1	34		4			
17-Jul-2021	Saturday	calm/rippled	12		41		38			
18-Jul-2021	Sunday	choppy	14	2	53		28			
19-Jul-2021	Monday		0					0	0812	0
20-Jul-2021	Tuesday	calm/rippled	12	7	62	1	27	11	0757	13
21-Jul-2021	Wednesday	choppy	12	27	71		44			
22-Jul-2021	Thursday	calm/rippled	13	53	90		33			
23-Jul-2021	Friday	calm/rippled	13	66	83		43			
24-Jul-2021	Saturday	calm/rippled	16	53	91		39			
25-Jul-2021	Sunday	choppy	12	30	62		15			
26-Jul-2021	Monday		0							
27-Jul-2021	Tuesday	calm/rippled	11	16	40		25			
28-Jul-2021	Wednesday	choppy	9	17	21		12	11	1001	12
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
_	Totals	calm/rippled	140	203	462	3	433	7*		8*
	Totals	calm/rippled	99	85	282		301	7*		7*

<sup>\*</sup> Average number of boats Observed and Expanded

Table 3: Simple area based cpue (catch per boat trip) expansion.

					CPUE				Retained				
Day Type	Average	Number of	Total	Chinook	Coho	Sockeye	Halibut	Chinook	Coho	Sockeye	Halibut		
	Expanded	Days	Estimated										
	Boats		Effort										
Midweek	8	21	168	1.45	3.3	0.021	3.093	244	554	4	520		
Weekend	7	10	70	0.859	2.848		3.04	60	199		213		

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

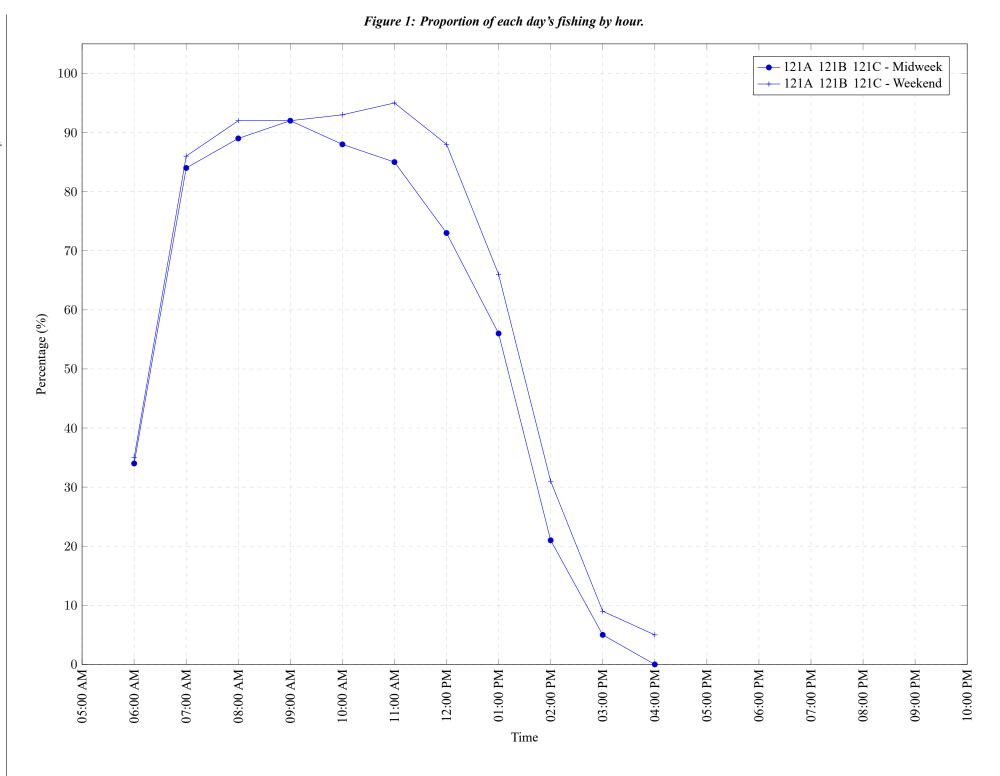
Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	July	1458	5732	1059		2690
2017	July	2157	10651	5937		3481
2018	July	1875	5581	3374		3681
2019	July	1708	2073	4914		5549
2020	July	789	667	1539	5	1917
2021	July	608	769	1913	9	1885
5-Yr Avg	July	1597	4941	3365	5	3464

Table 5: Sport Head Recovery Review.

Species	Creel Marked Catch		Creel Submission Rate	iRec Marked Catch	iRec Mark Rate	iRec Submission Rate	Sport Head Recoveries
Coho	1866	98%	0%	800	89%	1%	8
Chinook	386	50%	7%	266	36%	10%	26

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	239	85%
iRec Anglers	1408	95%



Area 121 July 2021

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

Areas	Day Type																	
		AM	AM	AM	AM	AM	AM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
121A 121B 121C	Midweek	34%	84%	89%	92%	88%	85%	73%	56%	21%	5%	0%	0%	0%	0%	0%	0%	0%
121A 121B 121C	Weekend	35%	86%	92%	92%	93%	95%	88%	66%	31%	9%	5%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

	•	G	
Date	Day Type	Pacific Gateway	Ucluelet Gov Dock
		Marina	
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	
04 Jul 2021	Weekend	calm/rippled	
05 Jul 2021	Midweek	•	
06 Jul 2021	Midweek	calm/rippled	
07 Jul 2021	Midweek		
08 Jul 2021	Midweek	calm/rippled	
09 Jul 2021	Midweek	calm/rippled	
10 Jul 2021	Weekend	calm/rippled	
11 Jul 2021	Weekend	calm/rippled	calm/rippled
12 Jul 2021	Midweek	calm/rippled	
13 Jul 2021	Midweek		
14 Jul 2021	Midweek	calm/rippled	
15 Jul 2021	Midweek	calm/rippled	
16 Jul 2021	Midweek	calm/rippled	
17 Jul 2021	Weekend	calm/rippled	
18 Jul 2021	Weekend	choppy	
19 Jul 2021	Midweek		
20 Jul 2021	Midweek	calm/rippled	
21 Jul 2021	Midweek	choppy	
22 Jul 2021	Midweek	calm/rippled	
23 Jul 2021	Midweek	calm/rippled	
24 Jul 2021	Weekend	calm/rippled	
25 Jul 2021	Weekend	choppy	
26 Jul 2021	Midweek		
27 Jul 2021	Midweek	calm/rippled	
28 Jul 2021	Midweek	choppy	
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	