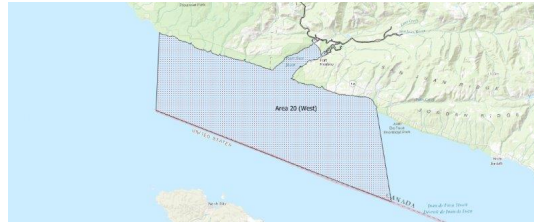


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (West) August 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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
29 Jul 2021	Midweek		9		
30 Jul 2021	Midweek	17			
31 Jul 2021	Weekend				
01 Aug 2021	Weekend				
02 Aug 2021	Weekend	17			
03 Aug 2021	Midweek	30			
04 Aug 2021	Midweek	27			
05 Aug 2021	Midweek	8			
06 Aug 2021	Midweek				
07 Aug 2021	Weekend				
08 Aug 2021	Weekend				
09 Aug 2021	Midweek				11
10 Aug 2021	Midweek				
11 Aug 2021	Midweek				
12 Aug 2021	Midweek	11			
13 Aug 2021	Midweek				7
14 Aug 2021	Weekend				
15 Aug 2021	Weekend				
16 Aug 2021	Midweek	9			
17 Aug 2021	Midweek				11
18 Aug 2021	Midweek	6			
19 Aug 2021	Midweek			10	
20 Aug 2021	Midweek				
21 Aug 2021	Weekend				
22 Aug 2021	Weekend	24			
23 Aug 2021	Midweek				10
24 Aug 2021	Midweek	10			
25 Aug 2021	Midweek				14
26 Aug 2021	Midweek	10			
27 Aug 2021	Midweek				
28 Aug 2021	Weekend				
29 Aug 2021	Weekend				
30 Aug 2021	Midweek				8
31 Aug 2021	Midweek	9			
01 Sep 2021	Midweek				15
02 Sep 2021	Midweek	6			
03 Sep 2021	Midweek				11

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	9	9						
30-Jul-2021	Friday	calm/rippled	17	10	2					
31-Jul-2021	Saturday		0							
01-Aug-2021	Sunday		0							
02-Aug-2021	Monday (B.C. Day)	calm/rippled	17	39						
03-Aug-2021	Tuesday	choppy	30	32	5					
04-Aug-2021	Wednesday	choppy	27	39	8					
05-Aug-2021	Thursday	calm/rippled	8	8						
06-Aug-2021	Friday		0							
07-Aug-2021	Saturday		0							
08-Aug-2021	Sunday		0					80	0842	88
09-Aug-2021	Monday	calm/rippled	11	26				65	0850	85
10-Aug-2021	Tuesday		0							
11-Aug-2021	Wednesday		0					100	0844	130
12-Aug-2021	Thursday	calm/rippled	11	34	4		2			
13-Aug-2021	Friday	calm/rippled	7	23	1					
14-Aug-2021	Saturday		0					50	0849	54
15-Aug-2021	Sunday		0							
16-Aug-2021	Monday	choppy	9	26	8					
17-Aug-2021	Tuesday	choppy	11	21				112	1014	127
18-Aug-2021	Wednesday	frequent whitecaps	6	10						
19-Aug-2021	Thursday	choppy	10	25						
20-Aug-2021	Friday		0							
21-Aug-2021	Saturday		0							
22-Aug-2021	Sunday	calm/rippled	24	41				141	0847	154
23-Aug-2021	Monday	calm/rippled	10	21	3					
24-Aug-2021	Tuesday	calm/rippled	10	27				135	0845	176
25-Aug-2021	Wednesday	choppy	14	29	2					
26-Aug-2021	Thursday	choppy	10	13						
27-Aug-2021	Friday		0							
28-Aug-2021	Saturday		0							
29-Aug-2021	Sunday		0							
30-Aug-2021	Monday	calm/rippled	8	16				55	0855	71
31-Aug-2021	Tuesday	choppy	9	24	9			53	0902	65
01-Sep-2021	Wednesday	calm/rippled	15	13	12					
02-Sep-2021	Thursday	choppy	6	9	4			62	0849	81
03-Sep-2021	Friday	calm/rippled	11	12	3					
	Totals	choppy	191	374	40		2	87*		109*
	Totals	calm/rippled	41	80				90*		99*

* 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	99	10	990	1.951				1931			
Midweek	109	21	2289	1.958	0.209		0.01	4482	478		23

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	August	3717	4569	195		
2017	August	3817	6758	93	6	20
2018	August	3869	3708	1229	5438	
2019	August	3502	6741	330		13
2020	August	4797	4708	1429		135
2021	August	2944	5075	456		25
5-Yr Avg	August	3940	5297	655	2722	56

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	1103	91%	17%	814	79%	23%	188
Chinook	1911	17%	49%	1920	23%	49%	940

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	787	14%
iRec Anglers	4288	23%
iRec Anglers	9031	18%

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

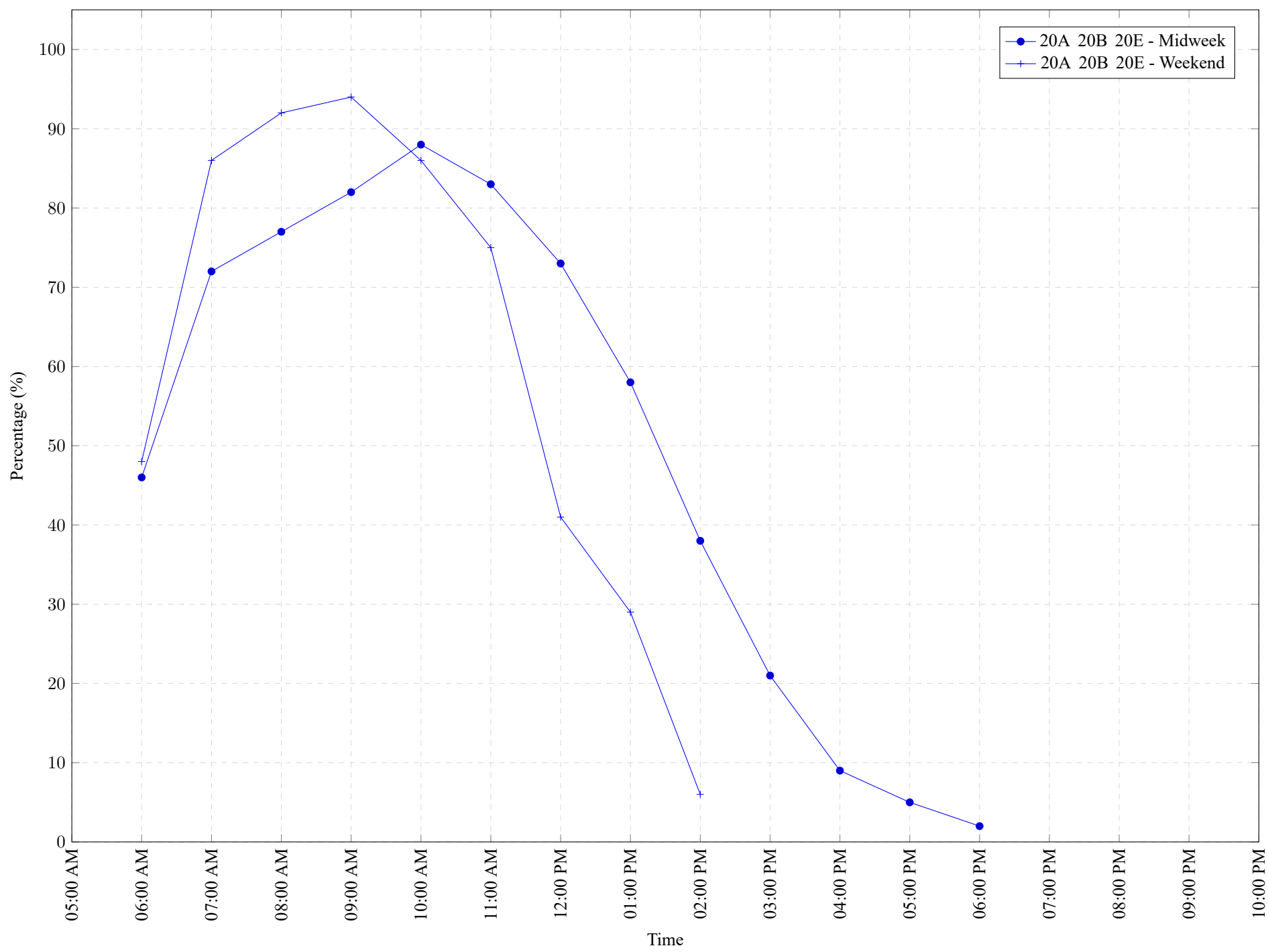


Table 7: Proportion of each day's fishing by hour.

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
20A	20B	20E	Midweek	46%	72%	77%	82%	88%	83%	73%	58%	38%	21%	9%	5%	2%	0%	0%	0%	0%
20A	20B	20E	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	calm/rippled	
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	calm/rippled	
13 Aug 2021	Midweek		calm/rippled
14 Aug 2021	Weekend		
15 Aug 2021	Weekend		
16 Aug 2021	Midweek	choppy	
17 Aug 2021	Midweek		choppy
18 Aug 2021	Midweek	frequent whitecaps	
19 Aug 2021	Midweek		choppy
20 Aug 2021	Midweek		
21 Aug 2021	Weekend		
22 Aug 2021	Weekend	calm/rippled	
23 Aug 2021	Midweek		calm/rippled
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		calm/rippled
31 Aug 2021	Midweek	choppy	
01 Sep 2021	Midweek		calm/rippled
02 Sep 2021	Midweek	choppy	
03 Sep 2021	Midweek		calm/rippled