

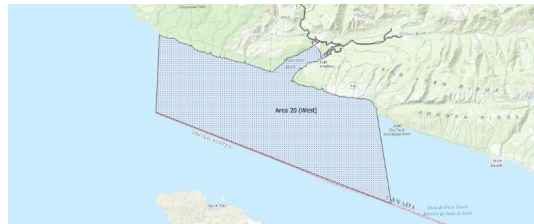
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 20 (West) July 2020



*Prepared By:*

South Coast Salmon Stock Assessment Section

Friday 19<sup>th</sup> February, 2021



Fisheries and Oceans  
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**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	AM	MD	PM
28 Jun 2020	Weekend	6		10	
29 Jun 2020	Midweek	5			
30 Jun 2020	Midweek			4	
01 Jul 2020	Weekend	8			
02 Jul 2020	Midweek			7	
03 Jul 2020	Midweek	8	3		
04 Jul 2020	Weekend	17			
05 Jul 2020	Weekend				
06 Jul 2020	Midweek			11	
07 Jul 2020	Midweek				
08 Jul 2020	Midweek			14	
09 Jul 2020	Midweek				8
10 Jul 2020	Midweek	10		8	
11 Jul 2020	Weekend				
12 Jul 2020	Weekend	5		6	
13 Jul 2020	Midweek				4
14 Jul 2020	Midweek	6		14	
15 Jul 2020	Midweek			34	
16 Jul 2020	Midweek			29	
17 Jul 2020	Midweek				
18 Jul 2020	Weekend	29			
19 Jul 2020	Weekend			23	
20 Jul 2020	Midweek	12		14	
21 Jul 2020	Midweek		4		
22 Jul 2020	Midweek	11		17	
23 Jul 2020	Midweek			21	
24 Jul 2020	Midweek	14			
25 Jul 2020	Weekend				
26 Jul 2020	Weekend	4			
27 Jul 2020	Midweek			20	
28 Jul 2020	Midweek	6		15	
29 Jul 2020	Midweek			21	
30 Jul 2020	Midweek				9
31 Jul 2020	Midweek			19	
01 Aug 2020	Weekend	8			
02 Aug 2020	Weekend				
03 Aug 2020	Weekend	8		23	

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-2020	Sunday	choppy	16		13					
29-Jun-2020	Monday	calm/rippled	5					1	1037	1
30-Jun-2020	Tuesday	choppy	4					12	1054	14
01-Jul-2020	Wednesday (Canada Day)	calm/rippled	8					23	1038	27
02-Jul-2020	Thursday	calm/rippled	7							
03-Jul-2020	Friday	calm/rippled	11							
04-Jul-2020	Saturday	calm/rippled	17					25	0928	33
05-Jul-2020	Sunday		0							
06-Jul-2020	Monday	calm/rippled	11					8	1034	9
07-Jul-2020	Tuesday		0					13	0942	16
08-Jul-2020	Wednesday	calm/rippled	14							
09-Jul-2020	Thursday	calm/rippled	8							
10-Jul-2020	Friday	calm/rippled	18		6		4			
11-Jul-2020	Saturday		0					48	0932	63
12-Jul-2020	Sunday	choppy	11				1	17	1046	19
13-Jul-2020	Monday	calm/rippled	4							
14-Jul-2020	Tuesday	choppy	20		4					
15-Jul-2020	Wednesday	calm/rippled	34	27	1					
16-Jul-2020	Thursday	choppy	29	24						
17-Jul-2020	Friday		0					127	0835	164
18-Jul-2020	Saturday	calm/rippled	29	14	1		3			
19-Jul-2020	Sunday	choppy	23	7						
20-Jul-2020	Monday	choppy	26	9	3			56	0846	72
21-Jul-2020	Tuesday	calm/rippled	4	2						
22-Jul-2020	Wednesday	calm/rippled	28	29	2					
23-Jul-2020	Thursday	calm/rippled	21	12						
24-Jul-2020	Friday	choppy	14	3						
25-Jul-2020	Saturday		0							
26-Jul-2020	Sunday	calm/rippled	4	1				112	0839	157
27-Jul-2020	Monday	frequent whitecaps	20	11	2					
28-Jul-2020	Tuesday	calm/rippled	21	24				39	1041	45
29-Jul-2020	Wednesday	calm/rippled	21	15						
30-Jul-2020	Thursday	calm/rippled	9	8						
31-Jul-2020	Friday	calm/rippled	19	12						
01-Aug-2020	Saturday	choppy	8	6				72	0937	95
02-Aug-2020	Sunday		0					119	0945	158
03-Aug-2020	Monday (B.C. Day)	calm/rippled	31	33	6		3			
	Totals	calm/rippled	339	176	18		4	49*		61*
	Totals	calm/rippled	92	22	1		4	45*		60*

\* 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	61	22	1342	0.5190	0.0530		0.0120	696	71		16
Weekend	60	9	540	0.2390	0.0110		0.0430	129	6		23

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	July	2147	2149	352	15	0
2016	July	1543	873	22	0	0
2017	July	1579	1818	114		10
2018	July	1961	1748	244		
2019	July	1041	869	31		0
2020	July	1316	843	59		48
5-Yr Avg	July	1654	1491	153	8	3

**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	3167	99%	17%	3435	84%	15%	530
Chinook	452	51%	25%	245	35%	47%	114

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	685	12%
iRec Anglers	1789	16%
iRec Anglers	4199	12%

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

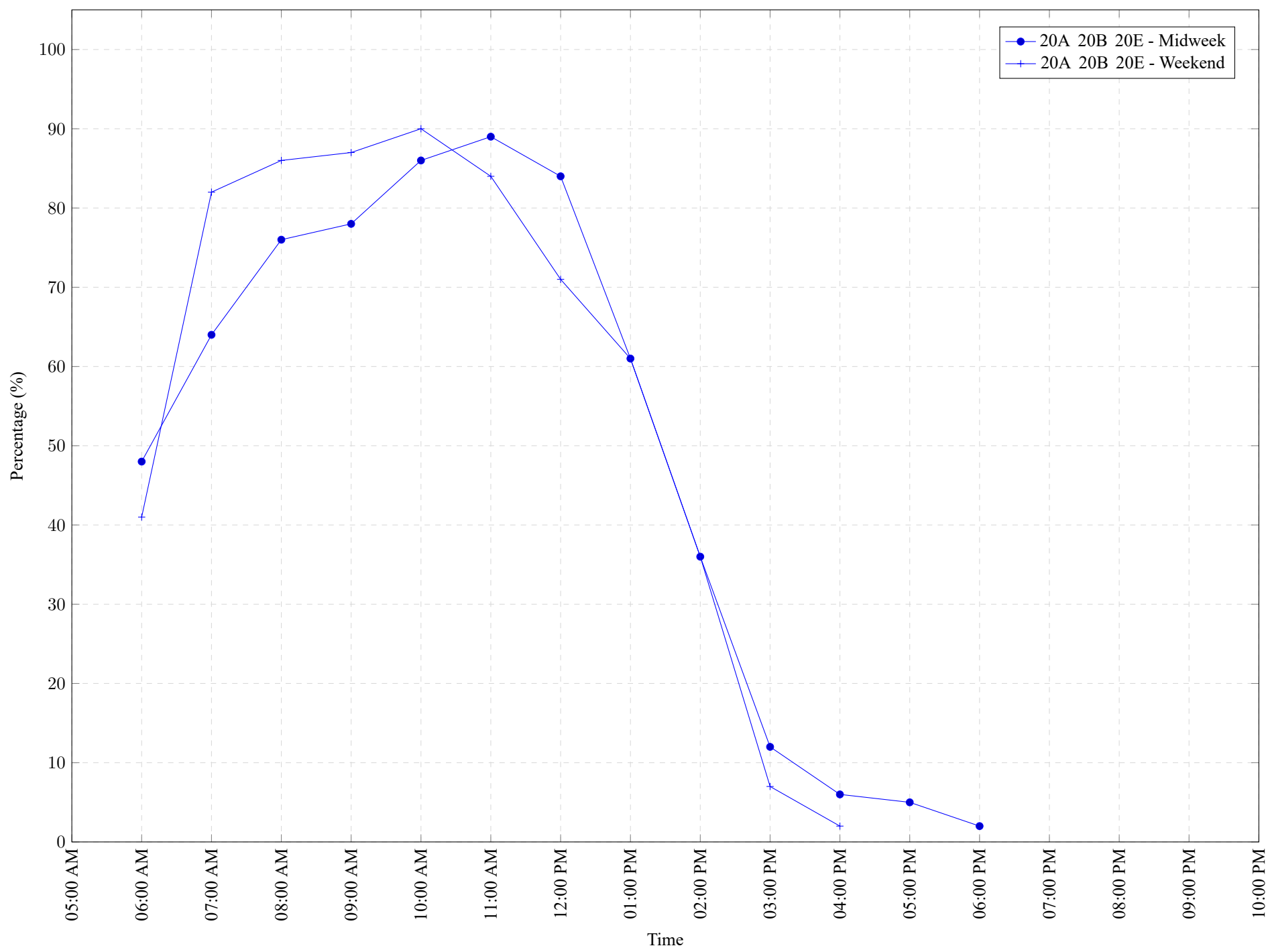


Table 7: Proportion of each day's fishing by hour.

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	48%	64%	76%	78%	86%	89%	84%	61%	36%	12%	6%	5%	2%	0%	0%	0%	0%
20A	20B	20E	Weekend	41%	82%	86%	87%	90%	84%	71%	61%	36%	7%	2%	0%	0%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	Pacific Gateway Marina	Port Renfrew Marina
28 Jun 2020	Weekend	calm/rippled	frequent whitecaps
29 Jun 2020	Midweek	calm/rippled	
30 Jun 2020	Midweek		choppy
01 Jul 2020	Weekend	calm/rippled	
02 Jul 2020	Midweek		calm/rippled
03 Jul 2020	Midweek	calm/rippled	calm/rippled
04 Jul 2020	Weekend	calm/rippled	
05 Jul 2020	Weekend		
06 Jul 2020	Midweek		calm/rippled
07 Jul 2020	Midweek		
08 Jul 2020	Midweek		calm/rippled
09 Jul 2020	Midweek		calm/rippled
10 Jul 2020	Midweek	calm/rippled	calm/rippled
11 Jul 2020	Weekend		
12 Jul 2020	Weekend	choppy	choppy
13 Jul 2020	Midweek		calm/rippled
14 Jul 2020	Midweek	choppy	choppy
15 Jul 2020	Midweek		calm/rippled
16 Jul 2020	Midweek		choppy
17 Jul 2020	Midweek		
18 Jul 2020	Weekend	calm/rippled	
19 Jul 2020	Weekend		choppy
20 Jul 2020	Midweek	choppy	choppy
21 Jul 2020	Midweek		calm/rippled
22 Jul 2020	Midweek	calm/rippled	calm/rippled
23 Jul 2020	Midweek		calm/rippled
24 Jul 2020	Midweek	choppy	
25 Jul 2020	Weekend		
26 Jul 2020	Weekend	calm/rippled	
27 Jul 2020	Midweek		frequent whitecaps
28 Jul 2020	Midweek	calm/rippled	choppy
29 Jul 2020	Midweek		calm/rippled
30 Jul 2020	Midweek		calm/rippled
31 Jul 2020	Midweek		calm/rippled
01 Aug 2020	Weekend	choppy	
02 Aug 2020	Weekend		
03 Aug 2020	Weekend	calm/rippled	choppy