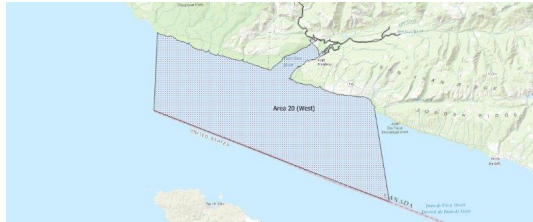


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (West) September 2019



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



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		
		AM	MD	AM	MD	PM
29 Aug 2019	Midweek		15			
30 Aug 2019	Midweek	7			19	
31 Aug 2019	Weekend		13			
01 Sep 2019	Weekend			30		
02 Sep 2019	Weekend		5			
03 Sep 2019	Midweek					
04 Sep 2019	Midweek				14	
05 Sep 2019	Midweek					
06 Sep 2019	Midweek					
07 Sep 2019	Weekend					
08 Sep 2019	Weekend		14			
09 Sep 2019	Midweek					
10 Sep 2019	Midweek					
11 Sep 2019	Midweek			1		
12 Sep 2019	Midweek					
13 Sep 2019	Midweek					
14 Sep 2019	Weekend				15	
15 Sep 2019	Weekend		2			
16 Sep 2019	Midweek					
17 Sep 2019	Midweek					
18 Sep 2019	Midweek			2		
19 Sep 2019	Midweek		1			
20 Sep 2019	Midweek					
21 Sep 2019	Weekend		10			
22 Sep 2019	Weekend					
23 Sep 2019	Midweek					
24 Sep 2019	Midweek					6
25 Sep 2019	Midweek					
26 Sep 2019	Midweek					
27 Sep 2019	Midweek					
28 Sep 2019	Weekend		22			
29 Sep 2019	Weekend				28	
30 Sep 2019	Midweek					
01 Oct 2019	Midweek					
02 Oct 2019	Midweek					
03 Oct 2019	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
29-Aug-2019	Thursday	calm/rippled	15	37	1			86	0932	163
30-Aug-2019	Friday	calm/rippled	26	15	1					
31-Aug-2019	Saturday	calm/rippled	13	5				233	0858	317
01-Sep-2019	Sunday	calm/rippled	30	34						
02-Sep-2019	Monday (Labour Day)	calm/rippled	5	1						
03-Sep-2019	Tuesday		0							
04-Sep-2019	Wednesday	calm/rippled	14	13						
05-Sep-2019	Thursday		0							
06-Sep-2019	Friday		0							
07-Sep-2019	Saturday		0					105	0914	114
08-Sep-2019	Sunday	calm/rippled	14	20	17					
09-Sep-2019	Monday		0							
10-Sep-2019	Tuesday		0							
11-Sep-2019	Wednesday	calm/rippled	1					24	0900	56
12-Sep-2019	Thursday		0							
13-Sep-2019	Friday		0							
14-Sep-2019	Saturday	calm/rippled	15	1	22					
15-Sep-2019	Sunday	calm/rippled	2		15					
16-Sep-2019	Monday		0							
17-Sep-2019	Tuesday		0							
18-Sep-2019	Wednesday	calm/rippled	2	1				6	0913	11
19-Sep-2019	Thursday	calm/rippled	1	1	1					
20-Sep-2019	Friday		0							
21-Sep-2019	Saturday	calm/rippled	10		25					
22-Sep-2019	Sunday		0							
23-Sep-2019	Monday		0					4	0850	10
24-Sep-2019	Tuesday	calm/rippled	6	2	6					
25-Sep-2019	Wednesday		0							
26-Sep-2019	Thursday		0							
27-Sep-2019	Friday		0							
28-Sep-2019	Saturday	calm/rippled	22	2	47					
29-Sep-2019	Sunday	choppy	28	3	13			152	1005	161
30-Sep-2019	Monday		0							
01-Oct-2019	Tuesday		0							
02-Oct-2019	Wednesday		0							
03-Oct-2019	Thursday		0							
	Totals	calm/rippled	24	17	7			11*		26*
	Totals	calm/rippled	126	61	139			129*		138*

* 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	138	10	1380	0.4840	1.1030			668	1522		
Midweek	26	20	520	0.7080	0.2920			368	152		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	September	883	540	1452	15	
2015	September	1014	1613	510		
2016	September	947	847	684	0	0
2017	September	1294	1408	591	3	
2018	September	1102	495	1476	18	
2019	September	1441	945	1052		0
5-Yr Avg	September	1048	981	943	9	0

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	3956	81%	10%	2824	93%	14%	388
Chinook	364	14%	34%	482	32%	25%	122

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	297	10%
iRec Anglers	8408	13%
iRec Responses	149	1%

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

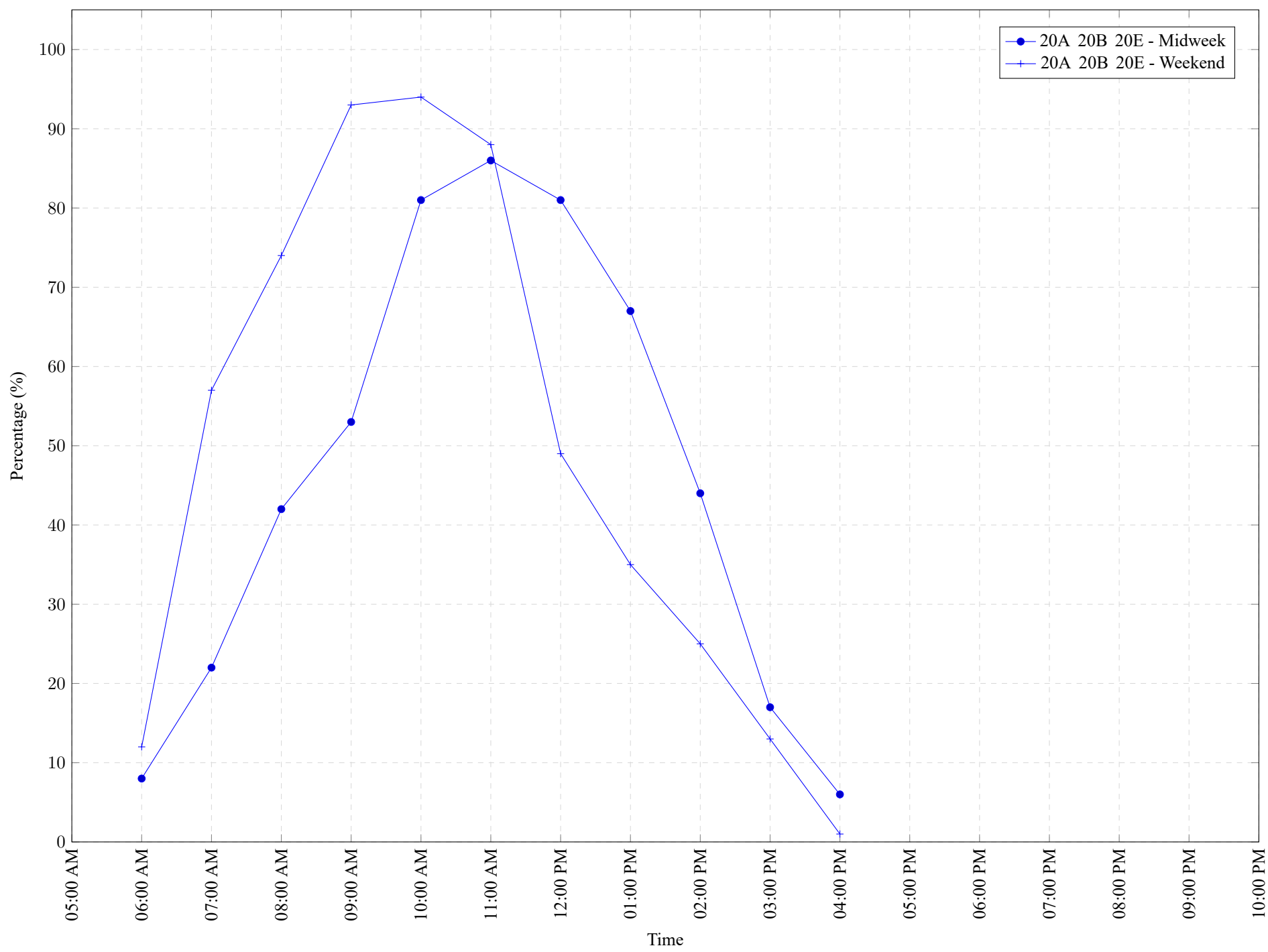


Table 7: Proportion of each day’s fishing by hour.

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	8%	22%	42%	53%	81%	86%	81%	67%	44%	17%	6%	0%	0%	0%	0%	0%	0%
20A	20B	20E	Weekend	12%	57%	74%	93%	94%	88%	49%	35%	25%	13%	1%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Pacific Gateway Marina	Port Renfrew Marina
29 Aug 2019	Midweek	calm/rippled	
30 Aug 2019	Midweek	calm/rippled	calm/rippled
31 Aug 2019	Weekend	calm/rippled	
01 Sep 2019	Weekend		calm/rippled
02 Sep 2019	Weekend	calm/rippled	
03 Sep 2019	Midweek		
04 Sep 2019	Midweek		calm/rippled
05 Sep 2019	Midweek		
06 Sep 2019	Midweek		
07 Sep 2019	Weekend		
08 Sep 2019	Weekend	calm/rippled	
09 Sep 2019	Midweek		
10 Sep 2019	Midweek		
11 Sep 2019	Midweek		calm/rippled
12 Sep 2019	Midweek		
13 Sep 2019	Midweek		
14 Sep 2019	Weekend		calm/rippled
15 Sep 2019	Weekend	calm/rippled	
16 Sep 2019	Midweek		
17 Sep 2019	Midweek		
18 Sep 2019	Midweek		calm/rippled
19 Sep 2019	Midweek	calm/rippled	
20 Sep 2019	Midweek		
21 Sep 2019	Weekend	calm/rippled	
22 Sep 2019	Weekend		
23 Sep 2019	Midweek		
24 Sep 2019	Midweek		calm/rippled
25 Sep 2019	Midweek		
26 Sep 2019	Midweek		
27 Sep 2019	Midweek		
28 Sep 2019	Weekend	calm/rippled	
29 Sep 2019	Weekend		choppy
30 Sep 2019	Midweek		
01 Oct 2019	Midweek		
02 Oct 2019	Midweek		
03 Oct 2019	Midweek		