

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (West) September 2020



Prepared By:
South Coast Salmon Stock Assessment Section

Friday 19th February, 2021



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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
29 Aug 2020	Weekend				
30 Aug 2020	Weekend	21			18
31 Aug 2020	Midweek			16	
01 Sep 2020	Midweek	9		17	
02 Sep 2020	Midweek	12		15	
03 Sep 2020	Midweek				21
04 Sep 2020	Midweek				
05 Sep 2020	Weekend	17			
06 Sep 2020	Weekend	21			
07 Sep 2020	Weekend	6		26	
08 Sep 2020	Midweek	6		15	
09 Sep 2020	Midweek	9			
10 Sep 2020	Midweek		13		
11 Sep 2020	Midweek	16			
12 Sep 2020	Weekend				
13 Sep 2020	Weekend	11			
14 Sep 2020	Midweek	6			
15 Sep 2020	Midweek	10			
16 Sep 2020	Midweek				
17 Sep 2020	Midweek				
18 Sep 2020	Midweek				
19 Sep 2020	Weekend				
20 Sep 2020	Weekend				
21 Sep 2020	Midweek				
22 Sep 2020	Midweek				
23 Sep 2020	Midweek				
24 Sep 2020	Midweek				
25 Sep 2020	Midweek				
26 Sep 2020	Weekend				
27 Sep 2020	Weekend				
28 Sep 2020	Midweek				
29 Sep 2020	Midweek				
30 Sep 2020	Midweek				
01 Oct 2020	Midweek				
02 Oct 2020	Midweek				
03 Oct 2020	Weekend				

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-2020	Saturday		0							
30-Aug-2020	Sunday	choppy	39	32	17					
31-Aug-2020	Monday	choppy	16	13	3					
01-Sep-2020	Tuesday	choppy	26	26	7					
02-Sep-2020	Wednesday	choppy	27	33	25		1			
03-Sep-2020	Thursday	calm/rippled	21	23	4			87	0956	136
04-Sep-2020	Friday		0							
05-Sep-2020	Saturday	calm/rippled	17	15	95			240	0948	373
06-Sep-2020	Sunday	choppy	21	2	84					
07-Sep-2020	Monday (Labour Day)	frequent whitecaps	32	10	96					
08-Sep-2020	Tuesday	choppy	21	8	61					
09-Sep-2020	Wednesday	calm/rippled	9	4	28					
10-Sep-2020	Thursday	calm/rippled	13	2	60			118	1009	181
11-Sep-2020	Friday	calm/rippled	16	1	59					
12-Sep-2020	Saturday		0							
13-Sep-2020	Sunday	calm/rippled	11		31					
14-Sep-2020	Monday	calm/rippled	6	2	24					
15-Sep-2020	Tuesday	calm/rippled	10		28					
16-Sep-2020	Wednesday		0							
17-Sep-2020	Thursday		0							
18-Sep-2020	Friday		0							
19-Sep-2020	Saturday		0							
20-Sep-2020	Sunday		0							
21-Sep-2020	Monday		0					84	1032	110
22-Sep-2020	Tuesday		0							
23-Sep-2020	Wednesday		0							
24-Sep-2020	Thursday		0							
25-Sep-2020	Friday		0					0	1153	0
26-Sep-2020	Saturday		0					4	0928	6
27-Sep-2020	Sunday		0							
28-Sep-2020	Monday		0							
29-Sep-2020	Tuesday		0							
30-Sep-2020	Wednesday		0							
01-Oct-2020	Thursday		0							
02-Oct-2020	Friday		0							
03-Oct-2020	Saturday		0							
	Totals	calm/rippled	149	99	296		1	72*		107*
	Totals	choppy	81	27	306			122*		190*

* 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	190	9	1710	0.3330	3.7780			569	6460		
Midweek	107	21	2247	0.6640	1.9870		0.0070	1492	4465		16

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2020	September	1514	791	4256		0
5-Yr Avg	September	1160	1062	863	7	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	8944	90%	16%	7102	86%	21%	1462
Chinook	558	34%	24%	1082	54%	12%	132

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	589	12%
iRec Anglers	3395	14%
iRec Anglers	7383	12%

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

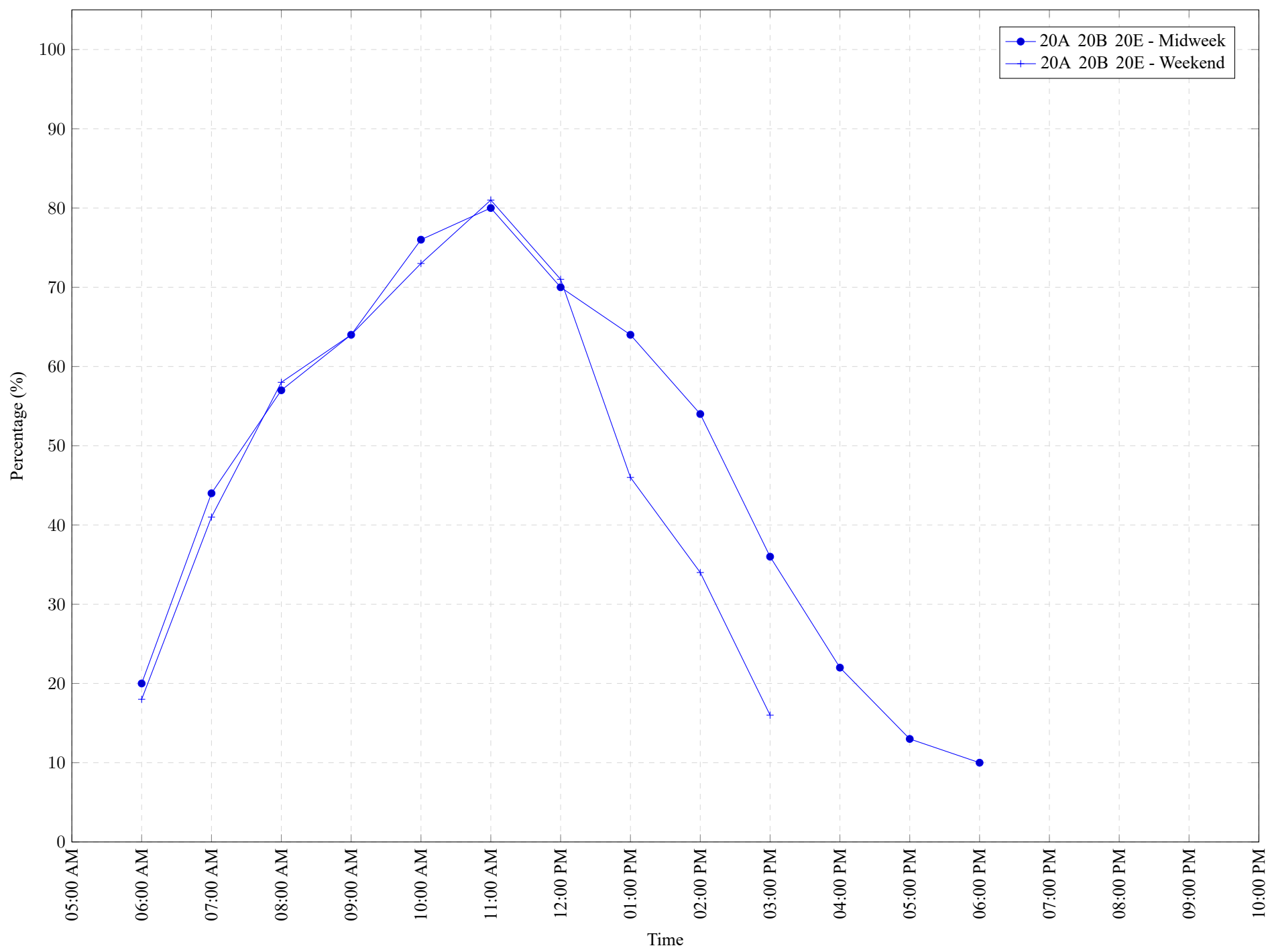


Table 7: Proportion of each day's fishing by hour.

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	20%	44%	57%	64%	76%	80%	70%	64%	54%	36%	22%	13%	10%	0%	0%	0%	0%
20A	20B	20E	Weekend	18%	41%	58%	64%	73%	81%	71%	46%	34%	16%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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