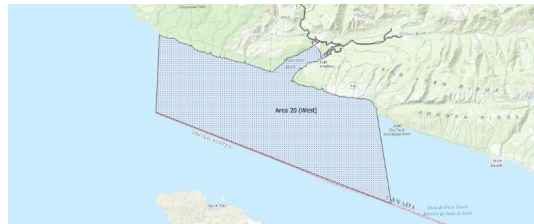


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (West) August 2019



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



Fisheries and Oceans
Canada

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Canada



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

Date	Day Type	Jock's Dock (Crab Shack) PM	Pacific Gateway Marina			Port Renfrew Marina		
			AM	MD	PM	AM	MD	PM
29 Jul 2019	Midweek			4				
30 Jul 2019	Midweek							
31 Jul 2019	Midweek							
01 Aug 2019	Midweek							
02 Aug 2019	Midweek			7				
03 Aug 2019	Weekend							26
04 Aug 2019	Weekend	1		7				
05 Aug 2019	Weekend							
06 Aug 2019	Midweek			10				
07 Aug 2019	Midweek							
08 Aug 2019	Midweek						26	
09 Aug 2019	Midweek			18				
10 Aug 2019	Weekend						29	
11 Aug 2019	Weekend		11					
12 Aug 2019	Midweek						24	
13 Aug 2019	Midweek			5				
14 Aug 2019	Midweek				4			
15 Aug 2019	Midweek						19	
16 Aug 2019	Midweek						27	
17 Aug 2019	Weekend							
18 Aug 2019	Weekend						27	
19 Aug 2019	Midweek			24				
20 Aug 2019	Midweek						23	
21 Aug 2019	Midweek			17				
22 Aug 2019	Midweek			16				
23 Aug 2019	Midweek						27	
24 Aug 2019	Weekend	1				17		
25 Aug 2019	Weekend			22				
26 Aug 2019	Midweek							14
27 Aug 2019	Midweek			16				
28 Aug 2019	Midweek				10		26	
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							

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-2019	Monday	choppy	4	12						
30-Jul-2019	Tuesday		0					18	0843	29
31-Jul-2019	Wednesday		0							
01-Aug-2019	Thursday		0							
02-Aug-2019	Friday	calm/rippled	7	23						
03-Aug-2019	Saturday	calm/rippled	26	22	2					
04-Aug-2019	Sunday	calm/rippled	8	8				165	0846	214
05-Aug-2019	Monday (B.C. Day)		0							
06-Aug-2019	Tuesday	calm/rippled	10	20	1					
07-Aug-2019	Wednesday		0							
08-Aug-2019	Thursday	calm/rippled	26	56	1			148	0931	215
09-Aug-2019	Friday	choppy	18	50	12					
10-Aug-2019	Saturday	calm/rippled	29	61	4			163	0838	211
11-Aug-2019	Sunday	calm/rippled	11	24	1					
12-Aug-2019	Monday	calm/rippled	24	46						
13-Aug-2019	Tuesday	calm/rippled	5	18						
14-Aug-2019	Wednesday	calm/rippled	4	15						
15-Aug-2019	Thursday	calm/rippled	19	41	1					
16-Aug-2019	Friday	calm/rippled	28	62	1					
17-Aug-2019	Saturday		1	2				259	0839	335
18-Aug-2019	Sunday	calm/rippled	28	57						
19-Aug-2019	Monday	calm/rippled	24	66	1			140	0933	204
20-Aug-2019	Tuesday	calm/rippled	23	45	4					
21-Aug-2019	Wednesday	choppy	18	32						
22-Aug-2019	Thursday	calm/rippled	16	14	2					
23-Aug-2019	Friday	calm/rippled	27	54	5					
24-Aug-2019	Saturday	calm/rippled	18	18						
25-Aug-2019	Sunday	calm/rippled	22	54	5					
26-Aug-2019	Monday	calm/rippled	14	24						
27-Aug-2019	Tuesday	calm/rippled	16	32						
28-Aug-2019	Wednesday	calm/rippled	36	45			2			
29-Aug-2019	Thursday	calm/rippled	15	37	1			86	0932	125
30-Aug-2019	Friday	calm/rippled	26	15	1					
31-Aug-2019	Saturday	calm/rippled	13	5				233	0858	302
01-Sep-2019	Sunday	calm/rippled	30	34						
02-Sep-2019	Monday (Labour Day)	calm/rippled	5	1						
03-Sep-2019	Tuesday		0							
	Totals	calm/rippled	356	695	30		2	125*		181*
	Totals	calm/rippled	156	251	12			205*		266*

* 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	181	21	3801	1.9520	0.0840		0.0060	7420	319		23
Weekend	266	10	2660	1.6090	0.0770			4280	205		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	August	2799	2444	655	165	5
2015	August	2520	4607	716		48
2016	August	3717	4569	195		
2017	August	3817	6758	93	6	20
2018	August	3869	3708	1229	5438	
2019	August	3502	6741	330		13
5-Yr Avg	August	3344	4417	578	1870	24

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	1712	94%	15%	1237	87%	21%	256
Chinook	1743	12%	50%	2394	18%	37%	876

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	812	11%
iRec Anglers	25466	11%
iRec Responses	521	4%

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

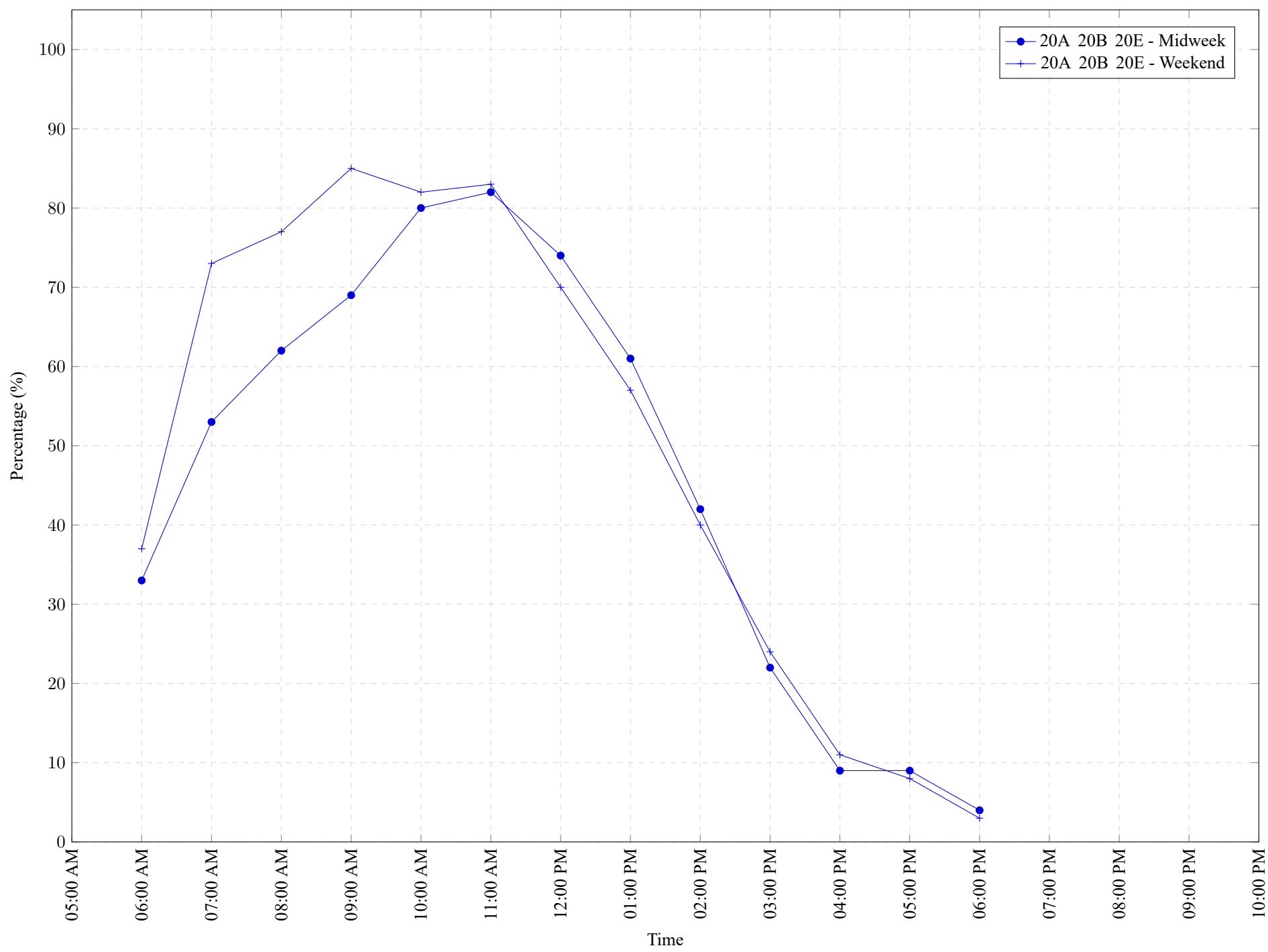


Table 7: Proportion of each day's fishing by hour.

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	33%	53%	62%	69%	80%	82%	74%	61%	42%	22%	9%	9%	4%	0%	0%	0%	0%
20A	20B	20E	Weekend	37%	73%	77%	85%	82%	83%	70%	57%	40%	24%	11%	8%	3%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Jock's Dock (Crab Shack)	Pacific Gateway Marina	Port Renfrew Marina
29 Jul 2019	Midweek		choppy	
30 Jul 2019	Midweek			
31 Jul 2019	Midweek			
01 Aug 2019	Midweek			
02 Aug 2019	Midweek		calm/rippled	
03 Aug 2019	Weekend			calm/rippled
04 Aug 2019	Weekend	choppy	calm/rippled	
05 Aug 2019	Weekend			
06 Aug 2019	Midweek		calm/rippled	
07 Aug 2019	Midweek			
08 Aug 2019	Midweek			calm/rippled
09 Aug 2019	Midweek		choppy	
10 Aug 2019	Weekend			calm/rippled
11 Aug 2019	Weekend		calm/rippled	
12 Aug 2019	Midweek			calm/rippled
13 Aug 2019	Midweek		calm/rippled	
14 Aug 2019	Midweek		calm/rippled	
15 Aug 2019	Midweek			calm/rippled
16 Aug 2019	Midweek			calm/rippled
17 Aug 2019	Weekend			
18 Aug 2019	Weekend			calm/rippled
19 Aug 2019	Midweek		calm/rippled	
20 Aug 2019	Midweek			calm/rippled
21 Aug 2019	Midweek		choppy	
22 Aug 2019	Midweek		calm/rippled	
23 Aug 2019	Midweek			calm/rippled
24 Aug 2019	Weekend	frequent whitecaps		calm/rippled
25 Aug 2019	Weekend		calm/rippled	
26 Aug 2019	Midweek			calm/rippled
27 Aug 2019	Midweek		calm/rippled	
28 Aug 2019	Midweek		calm/rippled	calm/rippled
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			