

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (West) September 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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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	PM	MD
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
04 Sep 2021	Weekend				
05 Sep 2021	Weekend			8	
06 Sep 2021	Weekend				11
07 Sep 2021	Midweek		9		
08 Sep 2021	Midweek				11
09 Sep 2021	Midweek	3			
10 Sep 2021	Midweek				
11 Sep 2021	Weekend				
12 Sep 2021	Weekend				20
13 Sep 2021	Midweek		14		
14 Sep 2021	Midweek				15
15 Sep 2021	Midweek		7		
16 Sep 2021	Midweek				
17 Sep 2021	Midweek				
18 Sep 2021	Weekend				
19 Sep 2021	Weekend				
20 Sep 2021	Midweek				
21 Sep 2021	Midweek				
22 Sep 2021	Midweek				
23 Sep 2021	Midweek				
24 Sep 2021	Midweek				
25 Sep 2021	Weekend				
26 Sep 2021	Weekend				
27 Sep 2021	Midweek				
28 Sep 2021	Midweek				
29 Sep 2021	Midweek				
30 Sep 2021	Midweek				
01 Oct 2021	Midweek				
02 Oct 2021	Weekend				
03 Oct 2021	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-2021	Sunday		0							
30-Aug-2021	Monday	calm/rippled	8	16				55	0855	79
31-Aug-2021	Tuesday	choppy	9	24	9			53	0902	62
01-Sep-2021	Wednesday	calm/rippled	15	13	12					
02-Sep-2021	Thursday	choppy	6	9	4			62	0849	89
03-Sep-2021	Friday	calm/rippled	11	12	3					
04-Sep-2021	Saturday		0					161	0911	253
05-Sep-2021	Sunday	calm/rippled	8	7	27					
06-Sep-2021	Monday (Labour Day)	calm/rippled	11		24			27	0944	43
07-Sep-2021	Tuesday	choppy	9	2	37					
08-Sep-2021	Wednesday	calm/rippled	11	5	14			2	1009	2
09-Sep-2021	Thursday	calm/rippled	3	1	6					
10-Sep-2021	Friday		0							
11-Sep-2021	Saturday		0							
12-Sep-2021	Sunday	calm/rippled	20	1	46			105	0856	166
13-Sep-2021	Monday	calm/rippled	14	1	73					
14-Sep-2021	Tuesday	calm/rippled	15		46	1				
15-Sep-2021	Wednesday	calm/rippled	7	2	24			57	0950	68
16-Sep-2021	Thursday		0					32	0942	38
17-Sep-2021	Friday		0							
18-Sep-2021	Saturday		0					42	0903	83
19-Sep-2021	Sunday		0							
20-Sep-2021	Monday		0					5	0919	6
21-Sep-2021	Tuesday		0							
22-Sep-2021	Wednesday		0					9	0958	11
23-Sep-2021	Thursday		0							
24-Sep-2021	Friday		0							
25-Sep-2021	Saturday		0							
26-Sep-2021	Sunday		0							
27-Sep-2021	Monday		0					6	0933	8
28-Sep-2021	Tuesday		0					6	0918	7
29-Sep-2021	Wednesday		0							
30-Sep-2021	Thursday		0							
01-Oct-2021	Friday		0							
02-Oct-2021	Saturday		0							
03-Oct-2021	Sunday		0							
	Totals	calm/rippled	91	45	219	1		22*		29*
	Totals	calm/rippled	39	8	97			84*		136*

* 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	29	21	609	0.495	2.407	0.011		301	1466	7	
Weekend	136	9	1224	0.205	2.487			251	3044		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2021	September	1055	366	2565	6	0
5-Yr Avg	September	1260	897	1612	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	3738	79%	17%	4167	82%	15%	626
Chinook	488	26%	51%	488	30%	51%	248

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	385	8%
iRec Anglers	1775	21%
iRec Anglers	5224	18%

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

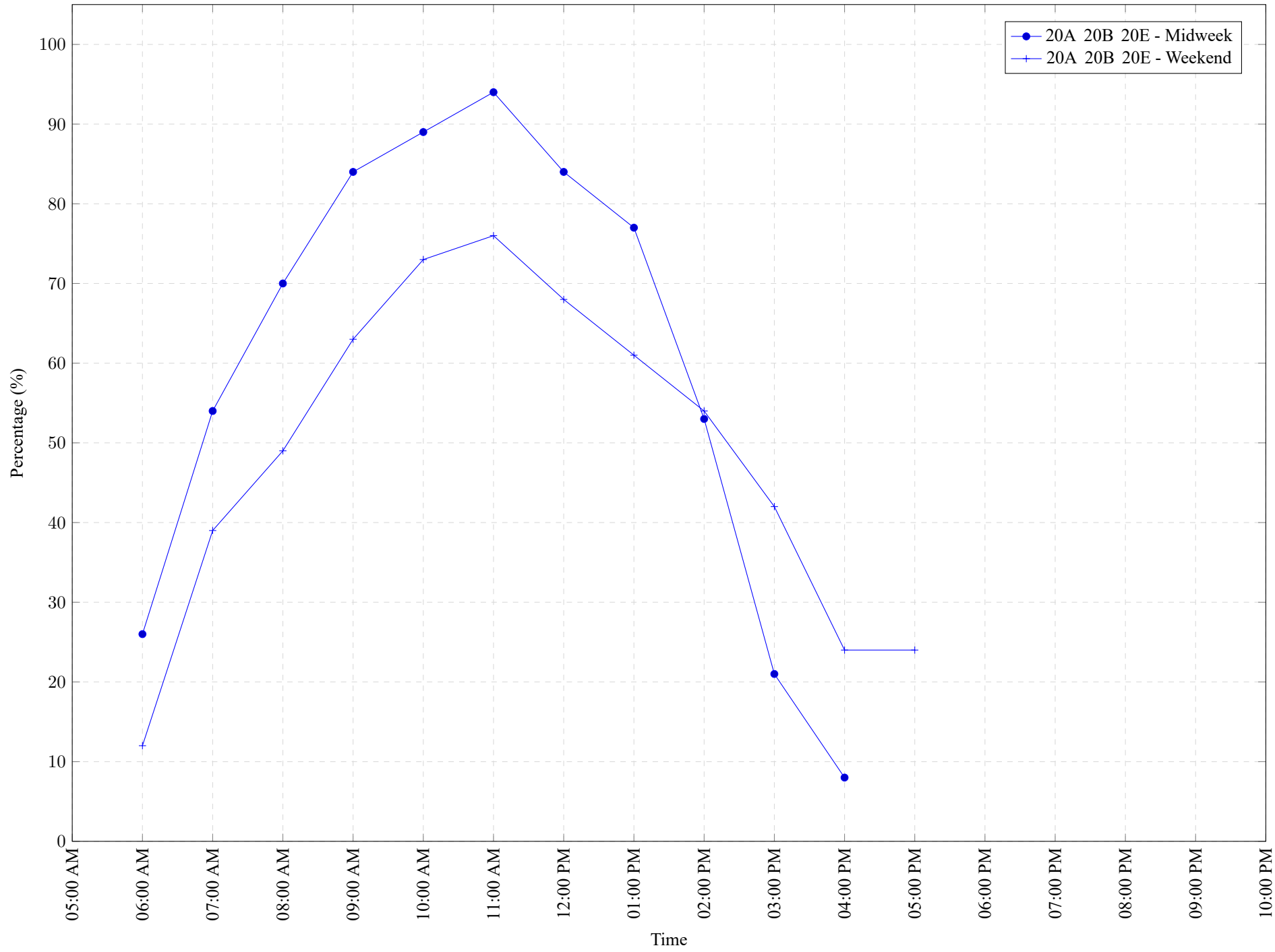


Table 7: Proportion of each day's fishing by hour.

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	26%	54%	70%	84%	89%	94%	84%	77%	53%	21%	8%	0%	0%	0%	0%	0%	0%
20A	20B	20E	Weekend	12%	39%	49%	63%	73%	76%	68%	61%	54%	42%	24%	24%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Pacific Gateway Marina	Port Renfrew Marina
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
04 Sep 2021	Weekend		
05 Sep 2021	Weekend	calm/rippled	
06 Sep 2021	Weekend		calm/rippled
07 Sep 2021	Midweek	choppy	
08 Sep 2021	Midweek		calm/rippled
09 Sep 2021	Midweek	calm/rippled	
10 Sep 2021	Midweek		
11 Sep 2021	Weekend		
12 Sep 2021	Weekend		calm/rippled
13 Sep 2021	Midweek	calm/rippled	
14 Sep 2021	Midweek		calm/rippled
15 Sep 2021	Midweek	calm/rippled	
16 Sep 2021	Midweek		
17 Sep 2021	Midweek		
18 Sep 2021	Weekend		
19 Sep 2021	Weekend		
20 Sep 2021	Midweek		
21 Sep 2021	Midweek		
22 Sep 2021	Midweek		
23 Sep 2021	Midweek		
24 Sep 2021	Midweek		
25 Sep 2021	Weekend		
26 Sep 2021	Weekend		
27 Sep 2021	Midweek		
28 Sep 2021	Midweek		
29 Sep 2021	Midweek		
30 Sep 2021	Midweek		
01 Oct 2021	Midweek		
02 Oct 2021	Weekend		
03 Oct 2021	Weekend		