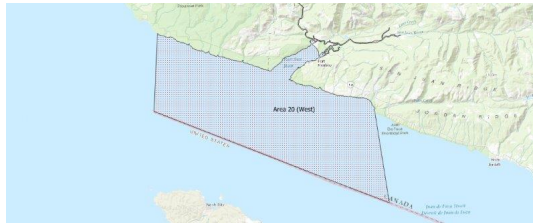


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (West) June 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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	Pacific Gateway Marina			Port Renfrew Marina
		AM	MD	PM	MD
29 May 2021	Weekend				
30 May 2021	Weekend				
31 May 2021	Midweek				
01 Jun 2021	Midweek				
02 Jun 2021	Midweek				
03 Jun 2021	Midweek				
04 Jun 2021	Midweek		5		
05 Jun 2021	Weekend		3		
06 Jun 2021	Weekend		3		
07 Jun 2021	Midweek	2			
08 Jun 2021	Midweek				
09 Jun 2021	Midweek				
10 Jun 2021	Midweek			4	
11 Jun 2021	Midweek		4		
12 Jun 2021	Weekend		8		
13 Jun 2021	Weekend		1		
14 Jun 2021	Midweek		7		
15 Jun 2021	Midweek		6		
16 Jun 2021	Midweek				2
17 Jun 2021	Midweek				6
18 Jun 2021	Midweek		4		
19 Jun 2021	Weekend		10		
20 Jun 2021	Weekend				
21 Jun 2021	Midweek		7		
22 Jun 2021	Midweek		8		
23 Jun 2021	Midweek		8		
24 Jun 2021	Midweek		6		
25 Jun 2021	Midweek		8	1	
26 Jun 2021	Weekend		12		
27 Jun 2021	Weekend		9		
28 Jun 2021	Midweek		6		
29 Jun 2021	Midweek		4		
30 Jun 2021	Midweek		5		
01 Jul 2021	Weekend		5		
02 Jul 2021	Midweek		6		
03 Jul 2021	Weekend			6	

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-May-2021	Saturday		0							
30-May-2021	Sunday		0							
31-May-2021	Monday		0							
01-Jun-2021	Tuesday		0					5	1037	5
02-Jun-2021	Wednesday		0							
03-Jun-2021	Thursday		0							
04-Jun-2021	Friday	calm/rippled	5					3	0847	4
05-Jun-2021	Saturday	choppy	3					7	0938	7
06-Jun-2021	Sunday	choppy	3							
07-Jun-2021	Monday	calm/rippled	2							
08-Jun-2021	Tuesday		0					21	0914	25
09-Jun-2021	Wednesday		0							
10-Jun-2021	Thursday	calm/rippled	4							
11-Jun-2021	Friday	calm/rippled	4							
12-Jun-2021	Saturday	calm/rippled	8				2	5	0841	5
13-Jun-2021	Sunday	choppy	1					6	1041	6
14-Jun-2021	Monday	calm/rippled	7							
15-Jun-2021	Tuesday	calm/rippled	6							
16-Jun-2021	Wednesday	choppy	2					4	1041	4
17-Jun-2021	Thursday	choppy	6					9	0840	12
18-Jun-2021	Friday	choppy	4					4	1049	4
19-Jun-2021	Saturday	choppy	10					25	0935	27
20-Jun-2021	Sunday		0							
21-Jun-2021	Monday	choppy	7					6	0844	8
22-Jun-2021	Tuesday	calm/rippled	8							
23-Jun-2021	Wednesday	choppy	8		2			5	1044	5
24-Jun-2021	Thursday	calm/rippled	6							
25-Jun-2021	Friday	calm/rippled	9							
26-Jun-2021	Saturday	calm/rippled	12					22	0936	24
27-Jun-2021	Sunday	calm/rippled	9							
28-Jun-2021	Monday	choppy	6							
29-Jun-2021	Tuesday	calm/rippled	4							
30-Jun-2021	Wednesday	calm/rippled	5					4	0916	4
01-Jul-2021	Thursday (Canada Day)	calm/rippled	5							
02-Jul-2021	Friday	calm/rippled	6					2	1256	2
03-Jul-2021	Saturday	calm/rippled	6					3	1300	5
	Totals	calm/rippled	93		2			7*		8*
	Totals	choppy	46				2	13*		14*

* 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	8	22	176		0.022				4		
Weekend	14	8	112				0.043				5

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	June	730	351	32		46
2017	June	415	240			
2018	June	622	659	9		4
2019	June	237	0	19		46
2020	June	124	17	45		25
2021	June	194	0	27		20
5-Yr Avg	June	426	253	26		30

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	1436	97%	2%	535	99%	6%	30
Chinook	110	100%	45%	81	74%	62%	50

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	233	53%
iRec Anglers	459	21%
iRec Anglers	1796	10%

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

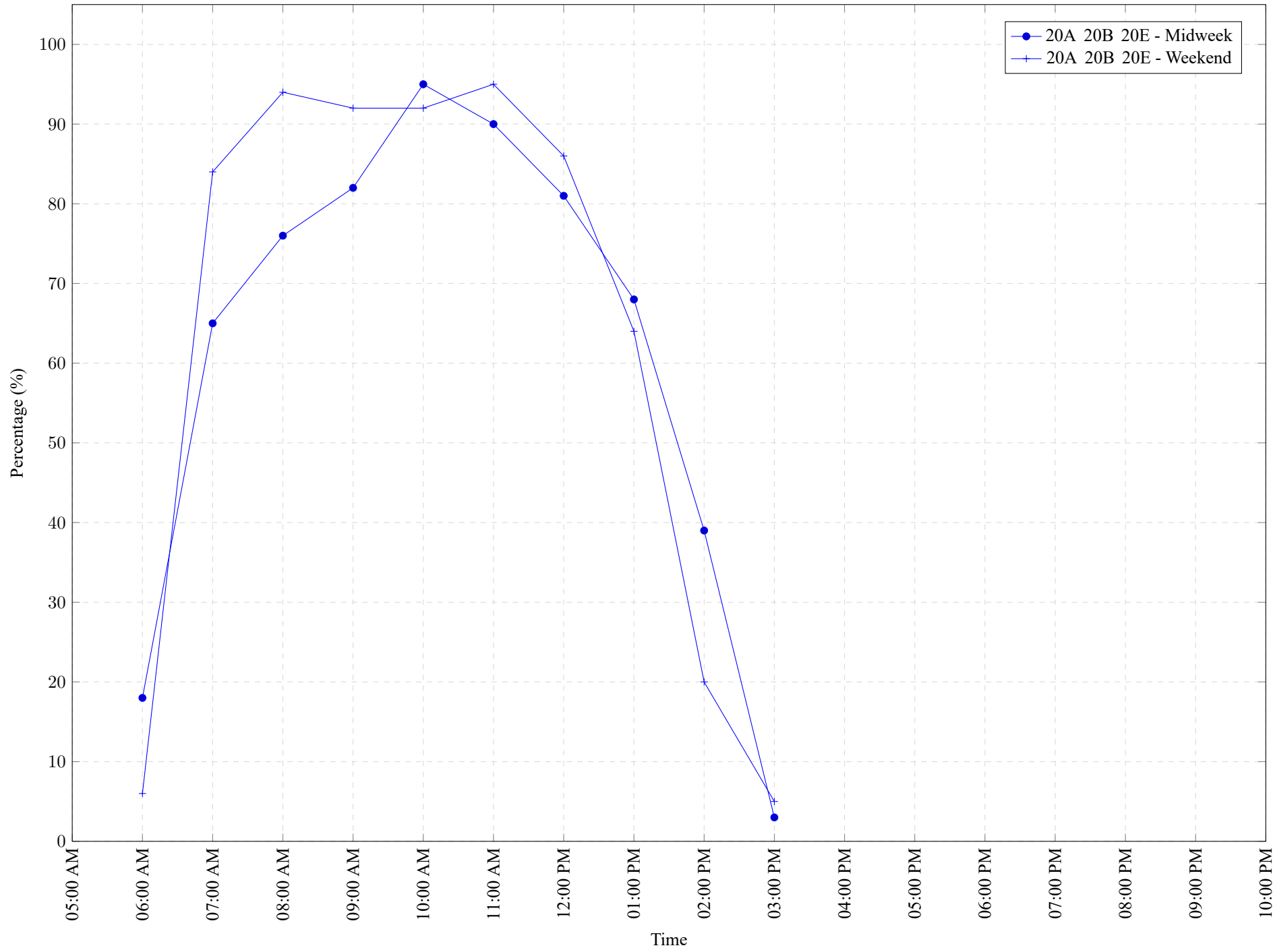


Table 7: Proportion of each day's fishing by hour.

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	18%	65%	76%	82%	95%	90%	81%	68%	39%	3%	0%	0%	0%	0%	0%	0%	0%
20A	20B	20E	Weekend	6%	84%	94%	92%	92%	95%	86%	64%	20%	5%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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