

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (West) August 2022



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	AM	MD	PM
29 Jul 2022	Midweek					19	
30 Jul 2022	Weekend		3				
31 Jul 2022	Weekend					20	
01 Aug 2022	Weekend						
02 Aug 2022	Midweek			14		18	
03 Aug 2022	Midweek					24	
04 Aug 2022	Midweek		15			18	
05 Aug 2022	Midweek		5		14		
06 Aug 2022	Weekend					30	
07 Aug 2022	Weekend		12				
08 Aug 2022	Midweek					14	
09 Aug 2022	Midweek						
10 Aug 2022	Midweek		16			19	
11 Aug 2022	Midweek		4			14	
12 Aug 2022	Midweek	7				17	
13 Aug 2022	Weekend					2	
14 Aug 2022	Weekend						
15 Aug 2022	Midweek		5			16	
16 Aug 2022	Midweek					19	
17 Aug 2022	Midweek		15				17
18 Aug 2022	Midweek		9			24	
19 Aug 2022	Midweek	4				21	
20 Aug 2022	Weekend					28	
21 Aug 2022	Weekend		16				
22 Aug 2022	Midweek						
23 Aug 2022	Midweek			10			
24 Aug 2022	Midweek					20	
25 Aug 2022	Midweek		10				
26 Aug 2022	Midweek					25	
27 Aug 2022	Weekend		24				
28 Aug 2022	Weekend				9		
29 Aug 2022	Midweek		10			14	
30 Aug 2022	Midweek					21	
31 Aug 2022	Midweek		8				
01 Sep 2022	Midweek		11			30	
02 Sep 2022	Midweek	6			12		
03 Sep 2022	Weekend					48	

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-2022	Friday	choppy	19	14	4					
30-Jul-2022	Saturday	calm/rippled	3	2	13			61	0938	70
31-Jul-2022	Sunday	choppy	20	16	10					
01-Aug-2022	Monday (B.C. Day)		0							
02-Aug-2022	Tuesday	calm/rippled	32	47	21			66	0947	95
03-Aug-2022	Wednesday	choppy	24	16	19					
04-Aug-2022	Thursday	calm/rippled	33	32	13			61	0848	93
05-Aug-2022	Friday	calm/rippled	19	9	2					
06-Aug-2022	Saturday	calm/rippled	30	16	5			159	0842	188
07-Aug-2022	Sunday	calm/rippled	12	15	4			148	0937	168
08-Aug-2022	Monday	large swells	14	3						
09-Aug-2022	Tuesday		0							
10-Aug-2022	Wednesday	calm/rippled	35	22	1			76	1134	113
11-Aug-2022	Thursday	calm/rippled	18	15	2					
12-Aug-2022	Friday	calm/rippled	24	7				10	0935	14
13-Aug-2022	Saturday	calm/rippled	2	1				69	0938	78
14-Aug-2022	Sunday		0					65	0836	76
15-Aug-2022	Monday	choppy	21	23	2		1			
16-Aug-2022	Tuesday	choppy	19	19						
17-Aug-2022	Wednesday	choppy	32	26				77	0835	117
18-Aug-2022	Thursday	choppy	34	60				80	0935	116
19-Aug-2022	Friday	choppy	25	28	2					
20-Aug-2022	Saturday	choppy	28	38	2					
21-Aug-2022	Sunday	choppy	16	19				207	0908	235
22-Aug-2022	Monday		0							
23-Aug-2022	Tuesday	choppy	10	27				47	0938	68
24-Aug-2022	Wednesday	calm/rippled	21	41				99	1056	154
25-Aug-2022	Thursday	choppy	10	21						
26-Aug-2022	Friday	choppy	25	35	1					
27-Aug-2022	Saturday	frequent whitecaps	24	40				139	0918	158
28-Aug-2022	Sunday	choppy	9	15						
29-Aug-2022	Monday	calm/rippled	24	64				96	0905	145
30-Aug-2022	Tuesday	calm/rippled	21	30	3					
31-Aug-2022	Wednesday	large swells	8	12	3					
01-Sep-2022	Thursday	calm/rippled	41	45	3			58	1036	91
02-Sep-2022	Friday	choppy	20	18						
03-Sep-2022	Saturday	calm/rippled	48	37	1			158	1041	174
	Totals	choppy	449	537	69		1	68*		102*
	Totals	choppy	121	144	11			131*		151*

* 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	102	22	2244	1.196	0.154		0.002	2684	346		4
Weekend	151	9	1359	1.19	0.091			1617	124		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	August	3817	6758	93	6	20
2018	August	3869	3708	1229	5438	
2019	August	3502	6741	330		13
2020	August	4797	4708	1429		135
2021	August	2944	5075	456		25
2022	August	3306	3089	353	0	6
5-Yr Avg	August	3786	5398	707	2722	48

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	2797	88%	13%	3444	97%	11%	376
Chinook	3084	30%	28%	3274	45%	27%	872

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	952	8%
iRec Anglers	4348	16%
iRec Anglers	10638	14%

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

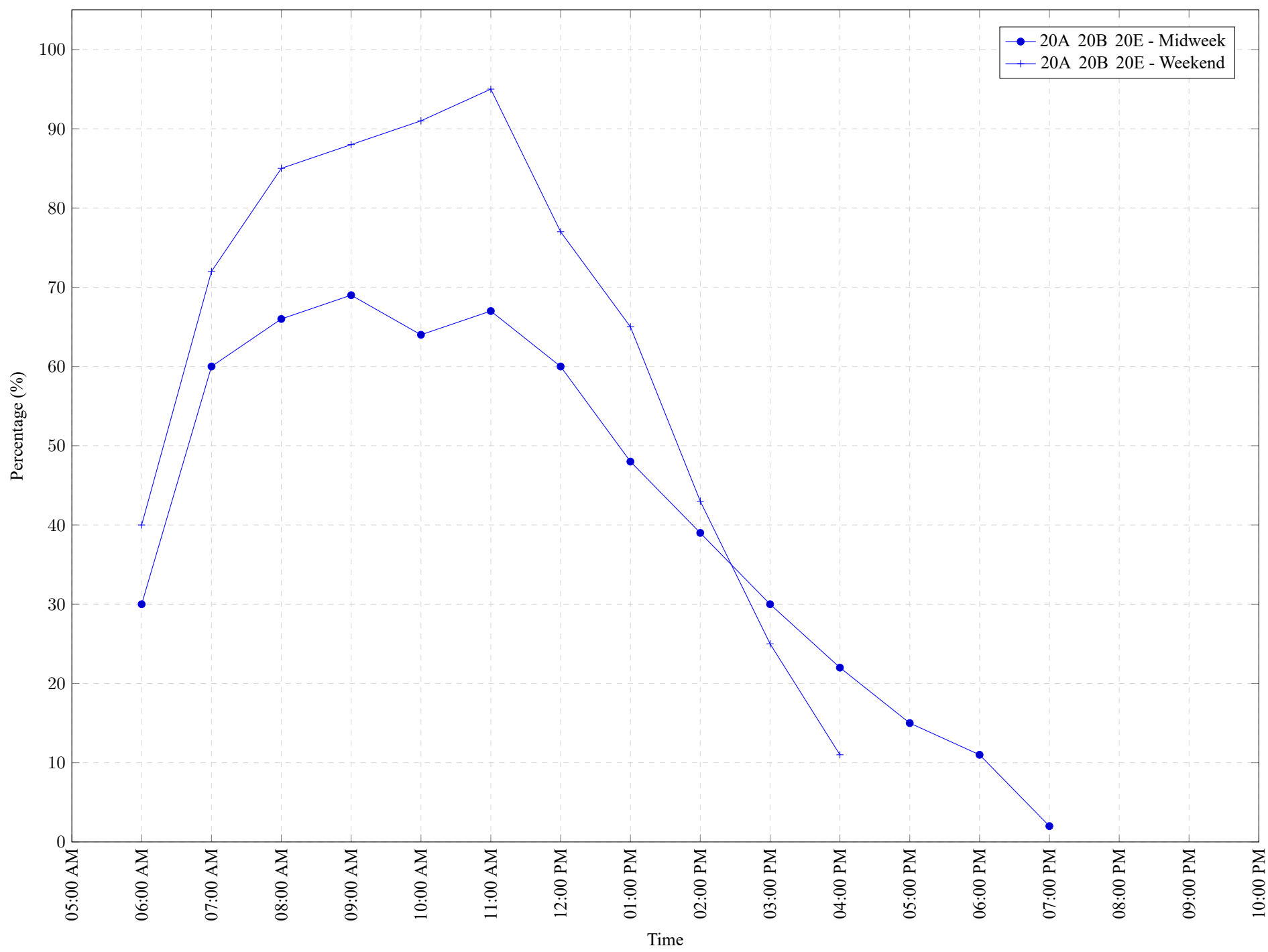


Table 7: Proportion of each day's fishing by hour.

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	30%	60%	66%	69%	64%	67%	60%	48%	39%	30%	22%	15%	11%	2%	0%	0%	0%
20A	20B	20E	Weekend	40%	72%	85%	88%	91%	95%	77%	65%	43%	25%	11%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Pacific Gateway Marina	Port Renfrew Marina
29 Jul 2022	Midweek		choppy
30 Jul 2022	Weekend	calm/rippled	
31 Jul 2022	Weekend		choppy
01 Aug 2022	Weekend		
02 Aug 2022	Midweek	choppy	calm/rippled
03 Aug 2022	Midweek		choppy
04 Aug 2022	Midweek	calm/rippled	calm/rippled
05 Aug 2022	Midweek	choppy	calm/rippled
06 Aug 2022	Weekend		calm/rippled
07 Aug 2022	Weekend	calm/rippled	
08 Aug 2022	Midweek		large swells
09 Aug 2022	Midweek		
10 Aug 2022	Midweek	calm/rippled	calm/rippled
11 Aug 2022	Midweek	calm/rippled	calm/rippled
12 Aug 2022	Midweek	calm/rippled	calm/rippled
13 Aug 2022	Weekend		calm/rippled
14 Aug 2022	Weekend		
15 Aug 2022	Midweek	choppy	choppy
16 Aug 2022	Midweek		choppy
17 Aug 2022	Midweek	choppy	choppy
18 Aug 2022	Midweek	choppy	choppy
19 Aug 2022	Midweek	choppy	choppy
20 Aug 2022	Weekend		choppy
21 Aug 2022	Weekend	choppy	
22 Aug 2022	Midweek		
23 Aug 2022	Midweek	choppy	
24 Aug 2022	Midweek		calm/rippled
25 Aug 2022	Midweek	choppy	
26 Aug 2022	Midweek		choppy
27 Aug 2022	Weekend	frequent whitecaps	
28 Aug 2022	Weekend		choppy
29 Aug 2022	Midweek	calm/rippled	calm/rippled
30 Aug 2022	Midweek		calm/rippled
31 Aug 2022	Midweek	large swells	
01 Sep 2022	Midweek	calm/rippled	calm/rippled
02 Sep 2022	Midweek	calm/rippled	frequent whitecaps
03 Sep 2022	Weekend		calm/rippled