

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (West) July 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	McKay Bay Gas Dock MD	Pacific Gateway Marina			Port Renfrew Marina		
			AM	MD	PM	AM	MD	PM
28 Jun 2022	Midweek	2						
29 Jun 2022	Midweek			8				
30 Jun 2022	Midweek					3	3	
01 Jul 2022	Weekend					21		
02 Jul 2022	Weekend			12				
03 Jul 2022	Weekend						12	
04 Jul 2022	Midweek			5				
05 Jul 2022	Midweek						2	
06 Jul 2022	Midweek		3					
07 Jul 2022	Midweek			2				
08 Jul 2022	Midweek			6				2
09 Jul 2022	Weekend			5			14	
10 Jul 2022	Weekend			5				
11 Jul 2022	Midweek						8	
12 Jul 2022	Midweek			9				
13 Jul 2022	Midweek						7	
14 Jul 2022	Midweek			2				
15 Jul 2022	Midweek						20	
16 Jul 2022	Weekend			7				
17 Jul 2022	Weekend						9	
18 Jul 2022	Midweek			15				
19 Jul 2022	Midweek				1		18	
20 Jul 2022	Midweek			5			23	
21 Jul 2022	Midweek			11			12	
22 Jul 2022	Midweek			10				
23 Jul 2022	Weekend						38	
24 Jul 2022	Weekend							
25 Jul 2022	Midweek			13			7	
26 Jul 2022	Midweek			4			10	
27 Jul 2022	Midweek				11		12	
28 Jul 2022	Midweek			13		5		
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	

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
28-Jun-2022	Tuesday		0					3	0850	4
29-Jun-2022	Wednesday	calm/rippled	10				4			
30-Jun-2022	Thursday	choppy	6							
01-Jul-2022	Friday (Canada Day)	choppy	21					17	0912	20
02-Jul-2022	Saturday	calm/rippled	12					20	0939	22
03-Jul-2022	Sunday	choppy	12							
04-Jul-2022	Monday	calm/rippled	5							
05-Jul-2022	Tuesday	calm/rippled	2							
06-Jul-2022	Wednesday	calm/rippled	3					6	0838	7
07-Jul-2022	Thursday	calm/rippled	2							
08-Jul-2022	Friday	choppy	8					12	0936	14
09-Jul-2022	Saturday	calm/rippled	19					32	0902	37
10-Jul-2022	Sunday	choppy	5					19	0937	22
11-Jul-2022	Monday	calm/rippled	8							
12-Jul-2022	Tuesday	frequent whitecaps	9					10	0938	12
13-Jul-2022	Wednesday	choppy	7					2	0938	2
14-Jul-2022	Thursday	choppy	2							
15-Jul-2022	Friday	choppy	20	21	7			63	0942	75
16-Jul-2022	Saturday	calm/rippled	7	8	1					
17-Jul-2022	Sunday	calm/rippled	9	17	4			86	0908	98
18-Jul-2022	Monday	large swells	15	16	2		1	13	0916	16
19-Jul-2022	Tuesday	calm/rippled	20	26	16			45	0934	54
20-Jul-2022	Wednesday	choppy	28	25	11					
21-Jul-2022	Thursday	choppy	24	16	12					
22-Jul-2022	Friday	calm/rippled	11	17	2					
23-Jul-2022	Saturday	frequent whitecaps	39	34	5			79	0841	92
24-Jul-2022	Sunday		0							
25-Jul-2022	Monday	choppy	20	34	9					
26-Jul-2022	Tuesday	choppy	14	10	5			59	0912	70
27-Jul-2022	Wednesday	calm/rippled	23	15	5					
28-Jul-2022	Thursday	calm/rippled	18	19	4					
29-Jul-2022	Friday	choppy	19	14	4					
30-Jul-2022	Saturday	calm/rippled	3	2	13			61	0938	69
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	78
03-Aug-2022	Wednesday	choppy	24	16	19					
	Totals	choppy	258	213	77		1	26*		31*
	Totals	choppy	147	77	33			45*		51*

* 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	31	20	620	0.826	0.298		0.004	512	185		2
Weekend	51	11	561	0.524	0.224			294	126		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	July	1579	1818	114		10
2018	July	1961	1748	244		
2019	July	1041	869	31		0
2020	July	1316	843	59		48
2021	July	1132	1049	262	0	0
2022	July	1296	825	401	0	1
5-Yr Avg	July	1406	1265	142	0	15

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	8428	97%	9%	4646	99%	16%	756
Chinook	648	60%	27%	495	47%	36%	176

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	762	13%
iRec Anglers	1747	12%
iRec Anglers	4596	15%

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

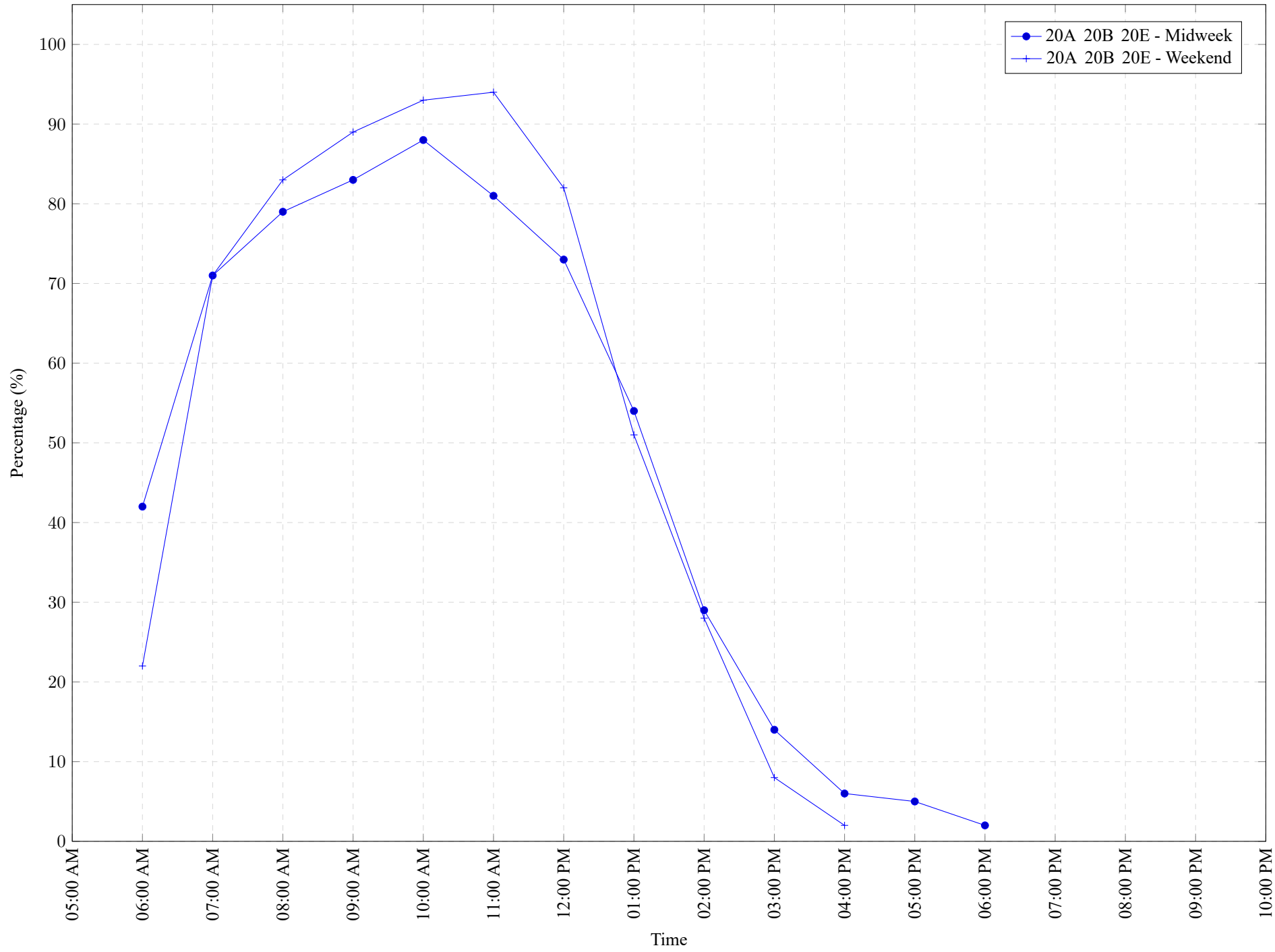


Table 7: Proportion of each day's fishing by hour.

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	42%	71%	79%	83%	88%	81%	73%	54%	29%	14%	6%	5%	2%	0%	0%	0%	0%
20A	20B	20E	Weekend	22%	71%	83%	89%	93%	94%	82%	51%	28%	8%	2%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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