

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (West) September 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	AM	MD	PM
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	
04 Sep 2022	Weekend		6			
05 Sep 2022	Weekend		17			
06 Sep 2022	Midweek				11	
07 Sep 2022	Midweek		13			
08 Sep 2022	Midweek					8
09 Sep 2022	Midweek		4			
10 Sep 2022	Weekend					
11 Sep 2022	Weekend		10			
12 Sep 2022	Midweek					
13 Sep 2022	Midweek					
14 Sep 2022	Midweek					
15 Sep 2022	Midweek					
16 Sep 2022	Midweek					
17 Sep 2022	Weekend					
18 Sep 2022	Weekend					
19 Sep 2022	Midweek					
20 Sep 2022	Midweek					
21 Sep 2022	Midweek					
22 Sep 2022	Midweek					
23 Sep 2022	Midweek					
24 Sep 2022	Weekend					
25 Sep 2022	Weekend					
26 Sep 2022	Midweek					
27 Sep 2022	Midweek					
28 Sep 2022	Midweek					
29 Sep 2022	Midweek					
30 Sep 2022	Midweek					
01 Oct 2022	Weekend					
02 Oct 2022	Weekend					
03 Oct 2022	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-Aug-2022	Monday	calm/rippled	24	64				96	0905	135
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	74
02-Sep-2022	Friday	choppy	20	18						
03-Sep-2022	Saturday	calm/rippled	48	37	1			158	1041	159
04-Sep-2022	Sunday	calm/rippled	6	8			1			
05-Sep-2022	Monday (Labour Day)	choppy	17	5	17			26	1046	26
06-Sep-2022	Tuesday	choppy	12	14	1			31	0849	43
07-Sep-2022	Wednesday	choppy	13	6	35			5	1035	6
08-Sep-2022	Thursday	choppy	8	3	3					
09-Sep-2022	Friday	large swells	4	11	42					
10-Sep-2022	Saturday		0					67	0934	69
11-Sep-2022	Sunday	frequent whitecaps	10	11	34					
12-Sep-2022	Monday		0					20	1042	26
13-Sep-2022	Tuesday		0							
14-Sep-2022	Wednesday		0							
15-Sep-2022	Thursday		0					17	0850	24
16-Sep-2022	Friday		0							
17-Sep-2022	Saturday		0					65	0849	73
18-Sep-2022	Sunday		0					67	1035	67
19-Sep-2022	Monday		0							
20-Sep-2022	Tuesday		0					9	0848	13
21-Sep-2022	Wednesday		0					38	1035	48
22-Sep-2022	Thursday		0							
23-Sep-2022	Friday		0							
24-Sep-2022	Saturday		0							
25-Sep-2022	Sunday		0					107	0935	111
26-Sep-2022	Monday		0							
27-Sep-2022	Tuesday		0							
28-Sep-2022	Wednesday		0							
29-Sep-2022	Thursday		0							
30-Sep-2022	Friday		0					11	1525	58
01-Oct-2022	Saturday		0							
02-Oct-2022	Sunday		0							
03-Oct-2022	Monday		0							
	Totals	choppy	98	97	84			24*		37*
	Totals	choppy	81	61	52		1	82*		84*

* 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
Weekend	84	9	756	0.753	0.642		0.012	569	485		9
Midweek	37	21	777	0.99	0.857			769	666		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2022	September	1428	1224	1239		7
5-Yr Avg	September	1281	801	1988	9	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	4926	83%	22%	5437	85%	20%	1106
Chinook	1837	36%	20%	1405	62%	26%	366

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	582	9%
iRec Anglers	1925	15%
iRec Anglers	6154	14%

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

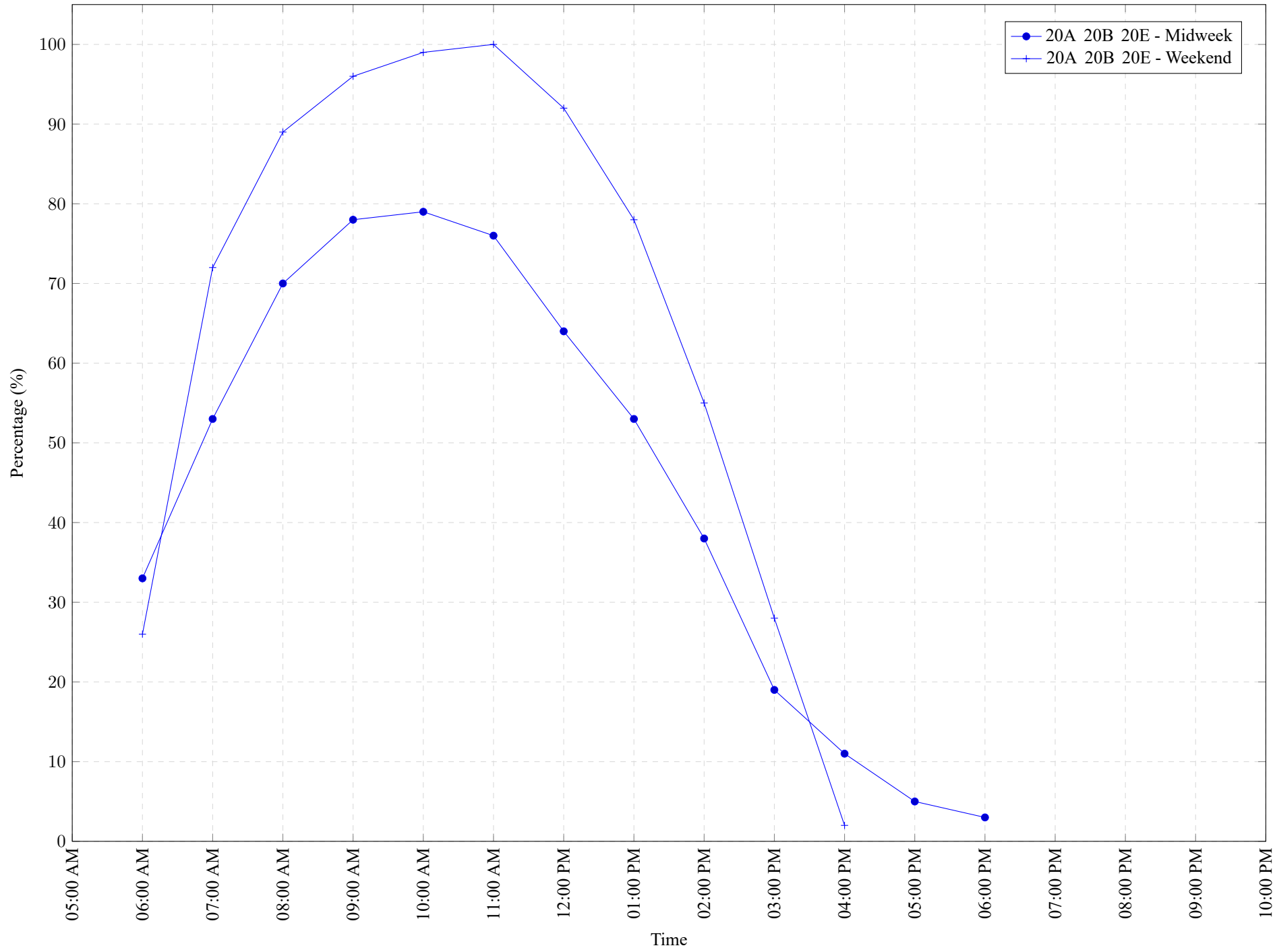


Table 7: Proportion of each day's fishing by hour.

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	33%	53%	70%	78%	79%	76%	64%	53%	38%	19%	11%	5%	3%	0%	0%	0%	0%
20A	20B	20E	Weekend	26%	72%	89%	96%	99%	100%	92%	78%	55%	28%	2%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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