

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (West) September 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Friday 10th November, 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	
		MD	PM	MD	PM
29 Aug 2023	Midweek	11			
30 Aug 2023	Midweek			13	
31 Aug 2023	Midweek				
01 Sep 2023	Midweek	11			
02 Sep 2023	Weekend				
03 Sep 2023	Weekend			27	
04 Sep 2023	Weekend	11			
05 Sep 2023	Midweek				
06 Sep 2023	Midweek				
07 Sep 2023	Midweek				
08 Sep 2023	Midweek				
09 Sep 2023	Weekend				
10 Sep 2023	Weekend				14
11 Sep 2023	Midweek		3		
12 Sep 2023	Midweek				2
13 Sep 2023	Midweek				
14 Sep 2023	Midweek				
15 Sep 2023	Midweek				
16 Sep 2023	Weekend				
17 Sep 2023	Weekend				
18 Sep 2023	Midweek				
19 Sep 2023	Midweek				
20 Sep 2023	Midweek				
21 Sep 2023	Midweek				
22 Sep 2023	Midweek				
23 Sep 2023	Weekend				
24 Sep 2023	Weekend				
25 Sep 2023	Midweek				
26 Sep 2023	Midweek				
27 Sep 2023	Midweek				
28 Sep 2023	Midweek				
29 Sep 2023	Midweek				
30 Sep 2023	Weekend				
01 Oct 2023	Weekend				
02 Oct 2023	Midweek				
03 Oct 2023	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-2023	Tuesday	choppy	11	7	1			46	1029	58
30-Aug-2023	Wednesday	calm/rippled	13	18						
31-Aug-2023	Thursday		0							
01-Sep-2023	Friday	frequent whitecaps	11	2	4			89	0908	113
02-Sep-2023	Saturday		0					117	0844	126
03-Sep-2023	Sunday	choppy	27	33	1					
04-Sep-2023	Monday (Labour Day)	frequent whitecaps	11	8	12		1	26	0930	27
05-Sep-2023	Tuesday		0							
06-Sep-2023	Wednesday		0							
07-Sep-2023	Thursday		0							
08-Sep-2023	Friday		0							
09-Sep-2023	Saturday		0					121	1049	122
10-Sep-2023	Sunday	choppy	14	11	16		1			
11-Sep-2023	Monday	large swells	3		2		1			
12-Sep-2023	Tuesday	choppy	2	4				14	1136	14
13-Sep-2023	Wednesday		0							
14-Sep-2023	Thursday		0							
15-Sep-2023	Friday		0					25	0933	32
16-Sep-2023	Saturday		0							
17-Sep-2023	Sunday		0					29	0935	30
18-Sep-2023	Monday		0							
19-Sep-2023	Tuesday		0							
20-Sep-2023	Wednesday		0					8	0931	11
21-Sep-2023	Thursday		0							
22-Sep-2023	Friday		0							
23-Sep-2023	Saturday		0							
24-Sep-2023	Sunday		0					42	0954	43
25-Sep-2023	Monday		0							
26-Sep-2023	Tuesday		0							
27-Sep-2023	Wednesday		0							
28-Sep-2023	Thursday		0					8	0941	10
29-Sep-2023	Friday		0							
30-Sep-2023	Saturday		0					41	0934	42
01-Oct-2023	Sunday		0							
02-Oct-2023	Monday		0							
03-Oct-2023	Tuesday		0							
	Totals	frequent whitecaps	16	6	6		1	29*		36*
	Totals	choppy	52	52	29		2	63*		65*

* 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	65	10	650	1	0.558		0.038	650	363		25
Midweek	36	20	720	0.375	0.375		0.063	270	270		45

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2023	September	694	331	333		36
5-Yr Avg	September	1308	764	2118	12	2

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
Chinook	779	21%	1%	1197	46%	0%	4

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	417	7%
iRec Anglers	1930	13%
iRec Anglers	5347	14%

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

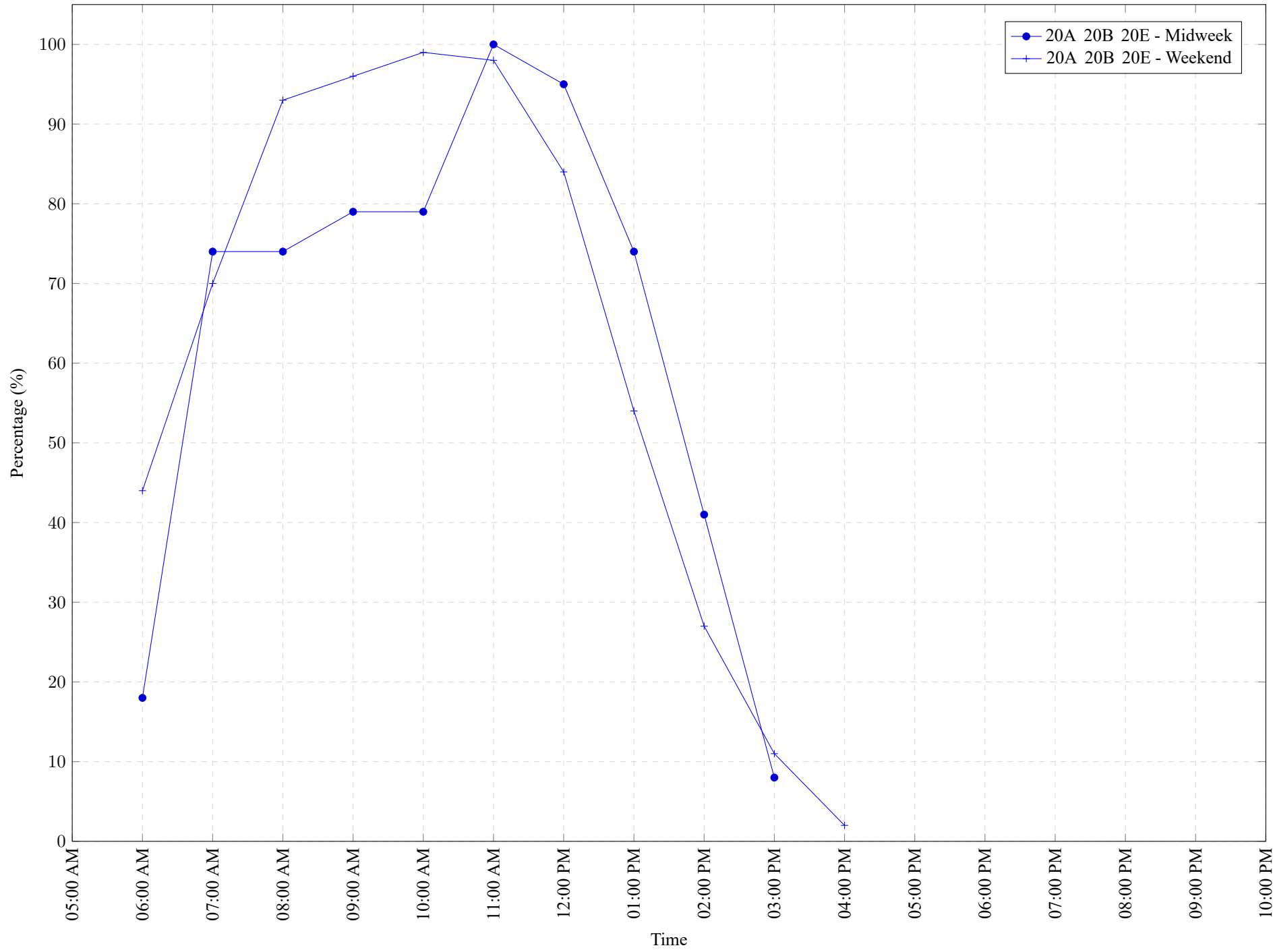


Table 7: Proportion of each day's fishing by hour.

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	18%	74%	74%	79%	79%	100%	95%	74%	41%	8%	0%	0%	0%	0%	0%	0%	0%
20A	20B	20E	Weekend	44%	70%	93%	96%	99%	98%	84%	54%	27%	11%	2%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Pacific Gateway Marina	Port Renfrew Marina
29 Aug 2023	Midweek	choppy	calm/rippled
30 Aug 2023	Midweek		
31 Aug 2023	Midweek		
01 Sep 2023	Midweek	frequent whitecaps	
02 Sep 2023	Weekend		choppy
03 Sep 2023	Weekend		
04 Sep 2023	Weekend	frequent whitecaps	
05 Sep 2023	Midweek		
06 Sep 2023	Midweek		
07 Sep 2023	Midweek		
08 Sep 2023	Midweek		
09 Sep 2023	Weekend		choppy
10 Sep 2023	Weekend		
11 Sep 2023	Midweek	large swells	
12 Sep 2023	Midweek		choppy
13 Sep 2023	Midweek		
14 Sep 2023	Midweek		
15 Sep 2023	Midweek		
16 Sep 2023	Weekend		
17 Sep 2023	Weekend		
18 Sep 2023	Midweek		
19 Sep 2023	Midweek		
20 Sep 2023	Midweek		
21 Sep 2023	Midweek		
22 Sep 2023	Midweek		
23 Sep 2023	Weekend		
24 Sep 2023	Weekend		
25 Sep 2023	Midweek		
26 Sep 2023	Midweek		
27 Sep 2023	Midweek		
28 Sep 2023	Midweek		
29 Sep 2023	Midweek		
30 Sep 2023	Weekend		
01 Oct 2023	Weekend		
02 Oct 2023	Midweek		
03 Oct 2023	Midweek		