

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (West) July 2024



Prepared By:

South Coast Salmon Stock Assessment Section

Saturday 7th December, 2024



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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		Schooner
		AM	MD	MD	PM	AM
28 Jun 2024	Midweek		6		5	
29 Jun 2024	Weekend			15		1
30 Jun 2024	Weekend		6			
01 Jul 2024	Weekend		3			
02 Jul 2024	Midweek		2	4		
03 Jul 2024	Midweek	1		2		
04 Jul 2024	Midweek					
05 Jul 2024	Midweek			2		
06 Jul 2024	Weekend		6			
07 Jul 2024	Weekend			5		
08 Jul 2024	Midweek		2	5		
09 Jul 2024	Midweek		6			
10 Jul 2024	Midweek					
11 Jul 2024	Midweek					
12 Jul 2024	Midweek					
13 Jul 2024	Weekend			13		
14 Jul 2024	Weekend		10			
15 Jul 2024	Midweek		15			
16 Jul 2024	Midweek			11		
17 Jul 2024	Midweek		12	2		
18 Jul 2024	Midweek	5				
19 Jul 2024	Midweek		6			
20 Jul 2024	Weekend		6			
21 Jul 2024	Weekend			12		
22 Jul 2024	Midweek		6		1	
23 Jul 2024	Midweek			16		
24 Jul 2024	Midweek		2	15		
25 Jul 2024	Midweek					
26 Jul 2024	Midweek		7	21		
27 Jul 2024	Weekend			37		
28 Jul 2024	Weekend		12			
29 Jul 2024	Midweek		8			
30 Jul 2024	Midweek		8	7		
31 Jul 2024	Midweek		4			
01 Aug 2024	Midweek		1			
02 Aug 2024	Midweek			27		
03 Aug 2024	Weekend			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-2024	Friday	calm/rippled	11		1					
29-Jun-2024	Saturday	calm/rippled	16			8				
30-Jun-2024	Sunday	calm/rippled	6							
01-Jul-2024	Monday (Canada Day)	choppy	3					0	0840	0
02-Jul-2024	Tuesday	frequent whitecaps	6							
03-Jul-2024	Wednesday	calm/rippled	3					11	1018	14
04-Jul-2024	Thursday		0							
05-Jul-2024	Friday	calm/rippled	2							
06-Jul-2024	Saturday	frequent whitecaps	6					14	0857	19
07-Jul-2024	Sunday	calm/rippled	5							
08-Jul-2024	Monday	calm/rippled	7							
09-Jul-2024	Tuesday	choppy	6							
10-Jul-2024	Wednesday		0							
11-Jul-2024	Thursday		0							
12-Jul-2024	Friday		0							
13-Jul-2024	Saturday	choppy	13				1	24	0848	33
14-Jul-2024	Sunday	choppy	10							
15-Jul-2024	Monday	choppy	15	13	1					
16-Jul-2024	Tuesday	choppy	11	10	2			39	1153	45
17-Jul-2024	Wednesday	frequent whitecaps	15	19						
18-Jul-2024	Thursday	calm/rippled	6	13	4					
19-Jul-2024	Friday	calm/rippled	6	4						
20-Jul-2024	Saturday	choppy	6	3						
21-Jul-2024	Sunday	choppy	12	4	1					
22-Jul-2024	Monday	calm/rippled	7	7						
23-Jul-2024	Tuesday	calm/rippled	16	8						
24-Jul-2024	Wednesday	calm/rippled	18	23						
25-Jul-2024	Thursday		1	1				19	0846	22
26-Jul-2024	Friday	calm/rippled	28	30	2					
27-Jul-2024	Saturday	choppy	37	22	1					
28-Jul-2024	Sunday	calm/rippled	12	7	1		1			
29-Jul-2024	Monday	calm/rippled	8	22	2					
30-Jul-2024	Tuesday	calm/rippled	15	10						
31-Jul-2024	Wednesday	calm/rippled	4	6						
01-Aug-2024	Thursday	calm/rippled	1	5				63	0858	73
02-Aug-2024	Friday	choppy	27	36						
03-Aug-2024	Saturday	calm/rippled	24	32						
	Totals	calm/rippled	174	166	11			23*		27*
	Totals	choppy	104	36	3		2	13*		17*

* 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	17	9	153	0.346	0.029		0.019	53	4		3
Midweek	27	22	594	0.954	0.063			567	37		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2019	July	1041	869	31		0
2020	July	1316	843	59		48
2021	July	1132	1049	262	0	0
2022	July	1142	680	351	0	0
2023	July	899	555	148		10
2024	July	899	762	59		2
5-Yr Avg	July	1106	799	170	0	12

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	2904	97%	2%	1819	97%	3%	48
Chinook	984	67%	4%	579	58%	6%	36

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	566	20%
iRec Anglers	1476	21%
iRec Anglers	3368	33%

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

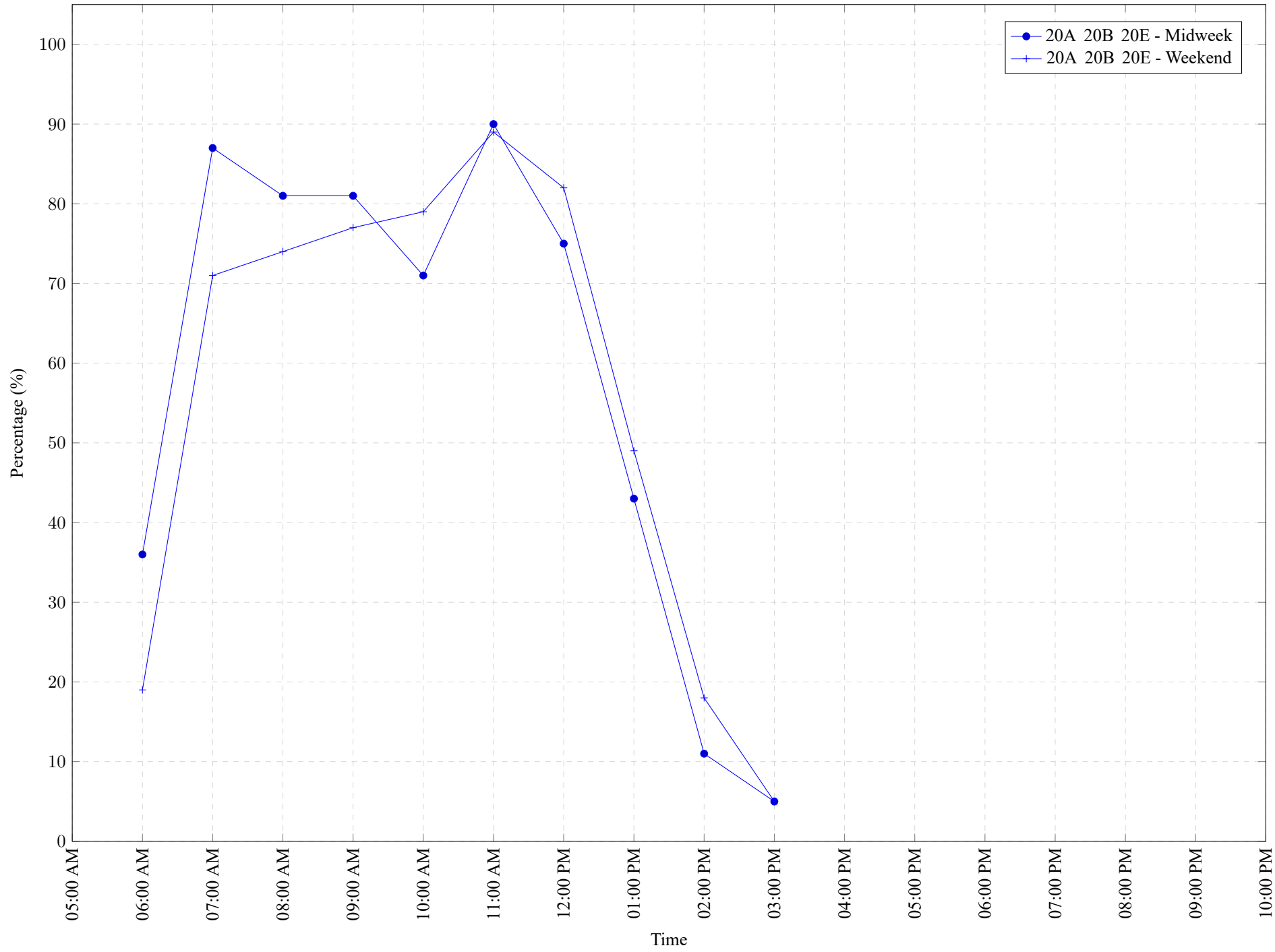


Table 7: Proportion of each day's fishing by hour.

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	36%	87%	81%	81%	71%	90%	75%	43%	11%	5%	0%	0%	0%	0%	0%	0%	0%
20A	20B	20E	Weekend	19%	71%	74%	77%	79%	89%	82%	49%	18%	5%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Pacific Gateway Marina	Port Renfrew Marina	Schooner
28 Jun 2024	Midweek	calm/rippled	calm/rippled	choppy
29 Jun 2024	Weekend		calm/rippled	
30 Jun 2024	Weekend	calm/rippled		
01 Jul 2024	Weekend	choppy		
02 Jul 2024	Midweek	large swells	frequent whitecaps	
03 Jul 2024	Midweek	choppy	calm/rippled	
04 Jul 2024	Midweek			
05 Jul 2024	Midweek		calm/rippled	
06 Jul 2024	Weekend	frequent whitecaps		
07 Jul 2024	Weekend		calm/rippled	
08 Jul 2024	Midweek	calm/rippled	calm/rippled	
09 Jul 2024	Midweek	choppy		
10 Jul 2024	Midweek			
11 Jul 2024	Midweek			
12 Jul 2024	Midweek			
13 Jul 2024	Weekend		choppy	
14 Jul 2024	Weekend	choppy		
15 Jul 2024	Midweek	choppy		
16 Jul 2024	Midweek		choppy	
17 Jul 2024	Midweek	frequent whitecaps	frequent whitecaps	
18 Jul 2024	Midweek	calm/rippled		
19 Jul 2024	Midweek	calm/rippled		
20 Jul 2024	Weekend	choppy		
21 Jul 2024	Weekend		choppy	
22 Jul 2024	Midweek	calm/rippled	choppy	
23 Jul 2024	Midweek		calm/rippled	
24 Jul 2024	Midweek	calm/rippled	calm/rippled	
25 Jul 2024	Midweek			
26 Jul 2024	Midweek	calm/rippled	calm/rippled	
27 Jul 2024	Weekend		choppy	
28 Jul 2024	Weekend	calm/rippled		
29 Jul 2024	Midweek	calm/rippled		
30 Jul 2024	Midweek	calm/rippled	calm/rippled	
31 Jul 2024	Midweek	calm/rippled		
01 Aug 2024	Midweek	calm/rippled		
02 Aug 2024	Midweek		choppy	
03 Aug 2024	Weekend		calm/rippled	