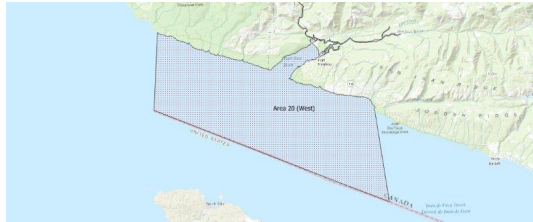


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (West) August 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Friday 10th November, 2023



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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	MD	PM
29 Jul 2023	Weekend					
30 Jul 2023	Weekend					
31 Jul 2023	Midweek				18	
01 Aug 2023	Midweek		15			
02 Aug 2023	Midweek					
03 Aug 2023	Midweek					
04 Aug 2023	Midweek				26	
05 Aug 2023	Weekend		26			
06 Aug 2023	Weekend				27	
07 Aug 2023	Weekend		22			
08 Aug 2023	Midweek					16
09 Aug 2023	Midweek		15			
10 Aug 2023	Midweek				24	
11 Aug 2023	Midweek					
12 Aug 2023	Weekend				9	
13 Aug 2023	Weekend				20	
14 Aug 2023	Midweek		28			
15 Aug 2023	Midweek				14	
16 Aug 2023	Midweek	11				
17 Aug 2023	Midweek					
18 Aug 2023	Midweek				21	
19 Aug 2023	Weekend		27			
20 Aug 2023	Weekend	24				
21 Aug 2023	Midweek		23			
22 Aug 2023	Midweek		23		19	
23 Aug 2023	Midweek				17	
24 Aug 2023	Midweek		23		26	
25 Aug 2023	Midweek			5	27	
26 Aug 2023	Weekend					
27 Aug 2023	Weekend				24	
28 Aug 2023	Midweek					
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	

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-2023	Saturday		1	1				49	0843	58
30-Jul-2023	Sunday		0							
31-Jul-2023	Monday	choppy	18	20	2			7	0843	10
01-Aug-2023	Tuesday	calm/rippled	15	15						
02-Aug-2023	Wednesday		0					45	0837	63
03-Aug-2023	Thursday		0							
04-Aug-2023	Friday	calm/rippled	26	65	6					
05-Aug-2023	Saturday	calm/rippled	28	78	7		3			
06-Aug-2023	Sunday	calm/rippled	27	54	10		1			
07-Aug-2023	Monday (B.C. Day)	calm/rippled	22	69	4					
08-Aug-2023	Tuesday	choppy	16	26	8			0	0838	0
09-Aug-2023	Wednesday	choppy	15	53	2					
10-Aug-2023	Thursday	calm/rippled	24	46	17					
11-Aug-2023	Friday		0							
12-Aug-2023	Saturday	calm/rippled	9	32	8			138	0834	163
13-Aug-2023	Sunday	calm/rippled	20	79	11			164	0959	175
14-Aug-2023	Monday	frequent whitecaps	28	80	8					
15-Aug-2023	Tuesday	frequent whitecaps	14	31	11			141	0921	188
16-Aug-2023	Wednesday	calm/rippled	11	46	5					
17-Aug-2023	Thursday		0							
18-Aug-2023	Friday	choppy	21	44	9					
19-Aug-2023	Saturday	calm/rippled	27	44	27			311	0949	337
20-Aug-2023	Sunday	calm/rippled	24	70	26					
21-Aug-2023	Monday	choppy	23	50	5					
22-Aug-2023	Tuesday	calm/rippled	42	106	32			71	1008	90
23-Aug-2023	Wednesday	calm/rippled	17	40	5					
24-Aug-2023	Thursday	calm/rippled	49	146	24			96	1043	121
25-Aug-2023	Friday	calm/rippled	32	57	18					
26-Aug-2023	Saturday		0					257	1013	272
27-Aug-2023	Sunday	frequent whitecaps	24	26	3					
28-Aug-2023	Monday		0							
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	119
02-Sep-2023	Saturday		0					117	0844	138
03-Sep-2023	Sunday	choppy	27	33	1					
	Totals	choppy	357	830	151			67*		87*
	Totals	calm/rippled	181	452	96		4	218*		237*

* 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	237	9	2133	2.497	0.53		0.022	5326	1130		47
Midweek	87	22	1914	2.325	0.423			4450	810		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2023	August	3091	6184	1469	0	42
5-Yr Avg	August	3684	4664	759	2719	45

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	5127	94%	1%	3564	90%	1%	32
Chinook	2120	14%	5%	3003	30%	4%	108

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	1068	13%
iRec Anglers	5317	17%
iRec Anglers	12727	15%

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

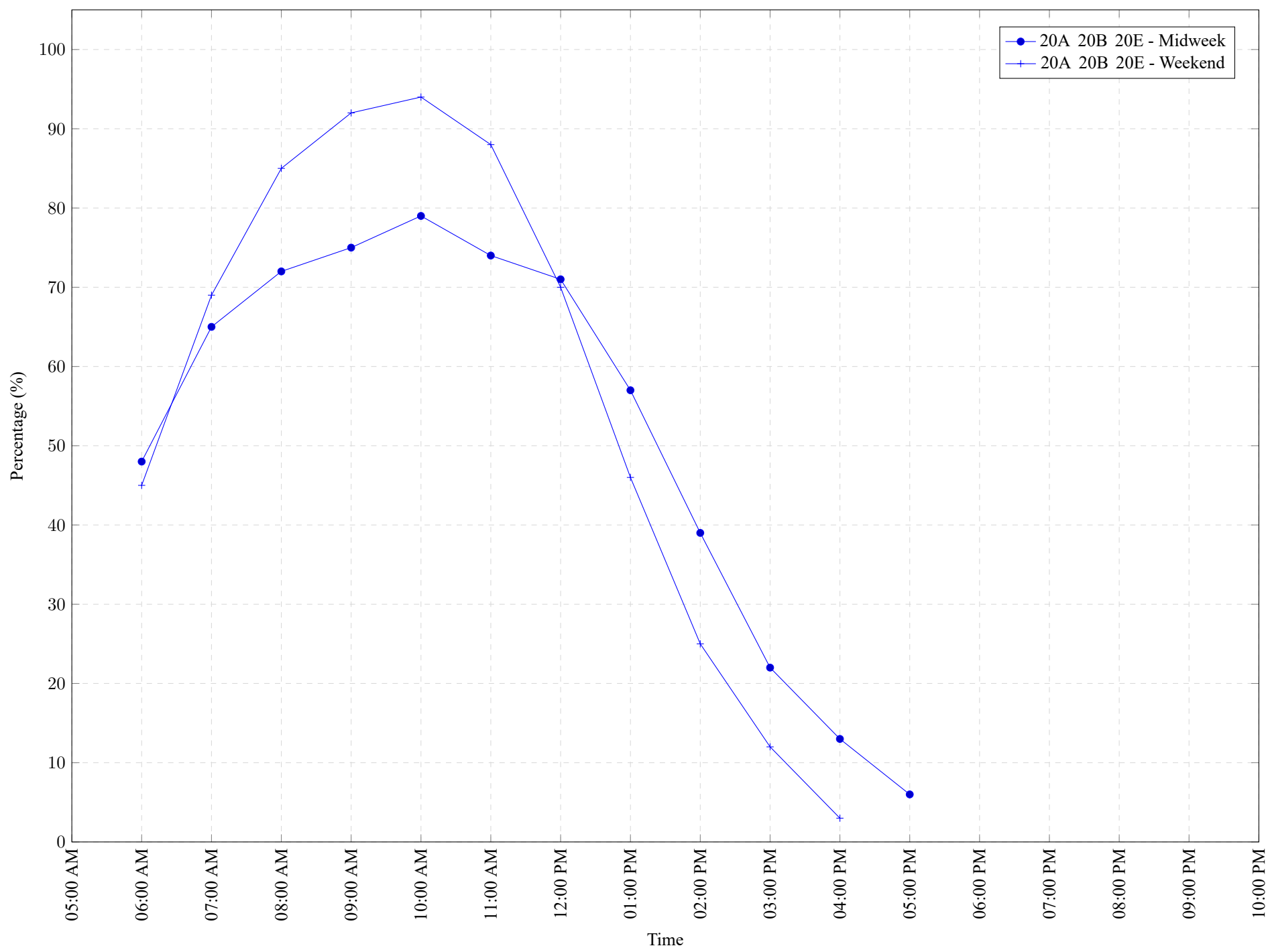


Table 7: Proportion of each day's fishing by hour.

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	48%	65%	72%	75%	79%	74%	71%	57%	39%	22%	13%	6%	0%	0%	0%	0%	0%
20A	20B	20E	Weekend	45%	69%	85%	92%	94%	88%	70%	46%	25%	12%	3%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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