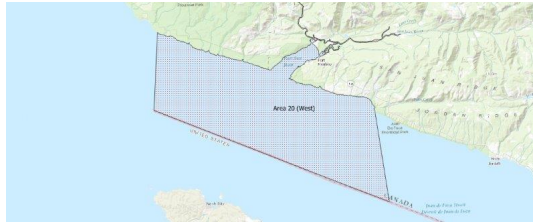


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 20 (West) July 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	McKay Bay Gas Dock	Pacific Gateway Marina		Port Renfrew Marina	
		MD	MD	PM	AM	MD
28 Jun 2023	Midweek			1		
29 Jun 2023	Midweek					
30 Jun 2023	Midweek		2			
01 Jul 2023	Weekend					3
02 Jul 2023	Weekend		3			
03 Jul 2023	Weekend					2
04 Jul 2023	Midweek		6			
05 Jul 2023	Midweek					11
06 Jul 2023	Midweek		4			
07 Jul 2023	Midweek					8
08 Jul 2023	Weekend		11			
09 Jul 2023	Weekend					7
10 Jul 2023	Midweek					
11 Jul 2023	Midweek					4
12 Jul 2023	Midweek		7			
13 Jul 2023	Midweek				6	
14 Jul 2023	Midweek		3			
15 Jul 2023	Weekend					3
16 Jul 2023	Weekend		3			31
17 Jul 2023	Midweek					2
18 Jul 2023	Midweek					
19 Jul 2023	Midweek					1
20 Jul 2023	Midweek					
21 Jul 2023	Midweek					
22 Jul 2023	Weekend			7		
23 Jul 2023	Weekend					29
24 Jul 2023	Midweek		6			
25 Jul 2023	Midweek					11
26 Jul 2023	Midweek		23			
27 Jul 2023	Midweek	1				
28 Jul 2023	Midweek					
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					

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-2023	Wednesday	choppy	1							
29-Jun-2023	Thursday		0							
30-Jun-2023	Friday	calm/rippled	2							
01-Jul-2023	Saturday	calm/rippled	4					6	0842	8
02-Jul-2023	Sunday	calm/rippled	3							
03-Jul-2023	Monday (Canada Day)	calm/rippled	2							
04-Jul-2023	Tuesday	calm/rippled	6					3	1007	3
05-Jul-2023	Wednesday	calm/rippled	11	4				9	0852	10
06-Jul-2023	Thursday	frequent whitecaps	4		1					
07-Jul-2023	Friday	calm/rippled	8				1			
08-Jul-2023	Saturday	calm/rippled	11					28	0923	38
09-Jul-2023	Sunday	calm/rippled	7							
10-Jul-2023	Monday		0					18	0923	21
11-Jul-2023	Tuesday	calm/rippled	4							
12-Jul-2023	Wednesday	calm/rippled	7							
13-Jul-2023	Thursday	calm/rippled	6							
14-Jul-2023	Friday	calm/rippled	3							
15-Jul-2023	Saturday	calm/rippled	5	1						
16-Jul-2023	Sunday	frequent whitecaps	34	17						
17-Jul-2023	Monday	calm/rippled	2							
18-Jul-2023	Tuesday		0							
19-Jul-2023	Wednesday	calm/rippled	1					75	0920	87
20-Jul-2023	Thursday		0							
21-Jul-2023	Friday		1	2						
22-Jul-2023	Saturday	choppy	7	2	1					
23-Jul-2023	Sunday	frequent whitecaps	29	19	1		1	36	0838	50
24-Jul-2023	Monday	calm/rippled	6	12	12			30	1009	31
25-Jul-2023	Tuesday	large swells	11	10	5			37	0849	45
26-Jul-2023	Wednesday	choppy	23	31	7					
27-Jul-2023	Thursday	choppy	1							
28-Jul-2023	Friday		0							
29-Jul-2023	Saturday		1	1				49	0843	68
30-Jul-2023	Sunday		0							
31-Jul-2023	Monday	choppy	18	20	2			7	0843	8
01-Aug-2023	Tuesday	calm/rippled	15	15						
02-Aug-2023	Wednesday		0					45	0837	55
03-Aug-2023	Thursday		0							
	Totals	choppy	112	79	27		1	26*		29*
	Totals	choppy	103	40	2		1	30*		41*

* 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	29	20	580	0.705	0.241		0.009	409	140		5
Weekend	41	11	451	0.388	0.019		0.01	175	9		5

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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	1142	680	351	0	0
2023	July	899	555	148		10
5-Yr Avg	July	1318	1038	189	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	3259	99%	9%	1183	84%	24%	280
Chinook	492	53%	26%	665	65%	19%	128

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	487	21%
iRec Anglers	1546	41%
iRec Anglers	5135	21%

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

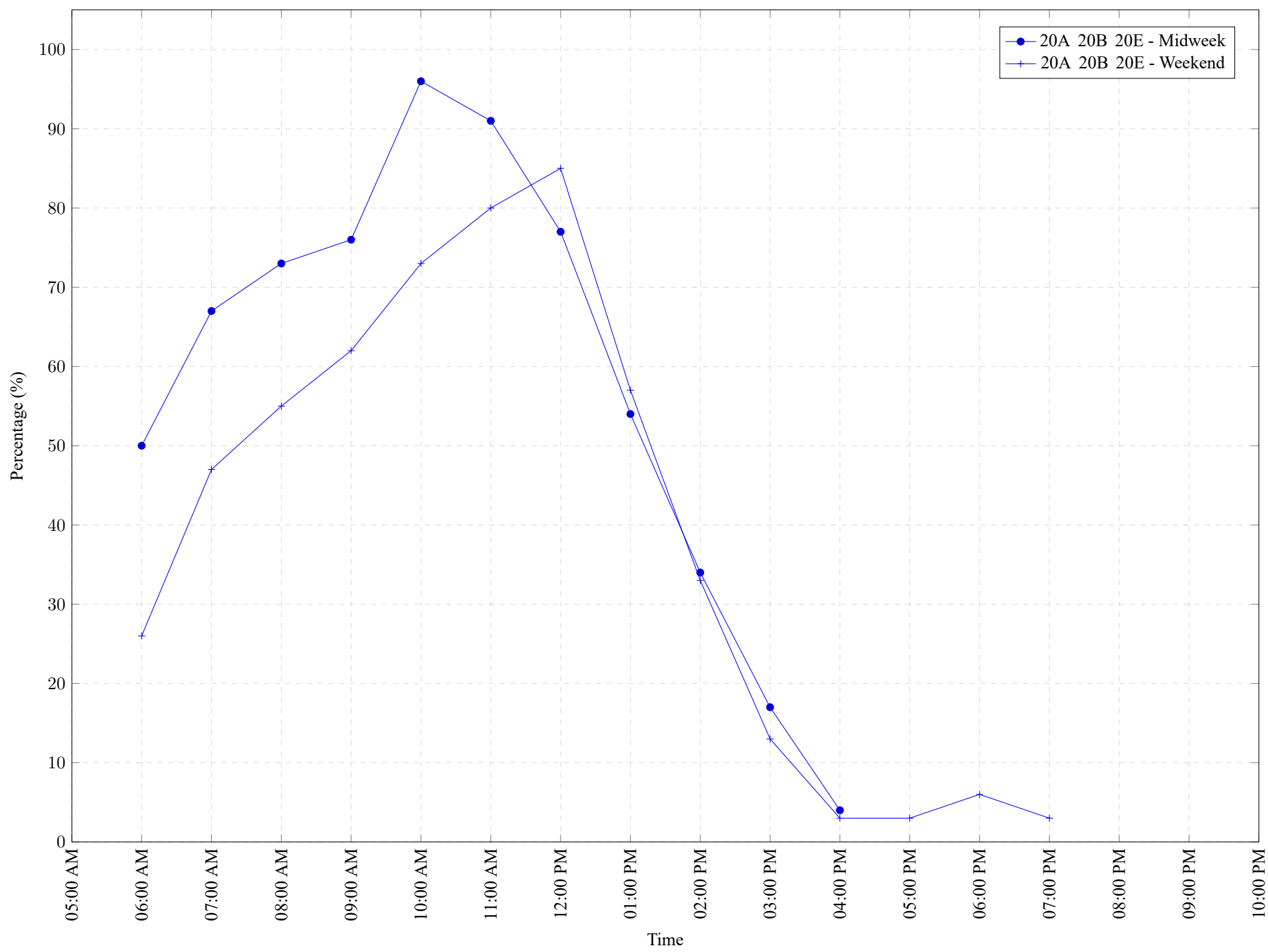


Table 7: Proportion of each day's fishing by hour.

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	50%	67%	73%	76%	96%	91%	77%	54%	34%	17%	4%	0%	0%	0%	0%	0%	0%
20A	20B	20E	Weekend	26%	47%	55%	62%	73%	80%	85%	57%	33%	13%	3%	3%	6%	3%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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