

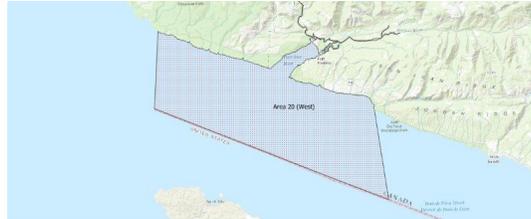
FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

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**Area 20 (West) July 2021**



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Thursday 19<sup>th</sup> January, 2023



Fisheries and Oceans  
Canada

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Canada



**Table 1: Numbers of Interviews conducted contributing to the area by day and access site.**

Date	Day Type	Pacific Gateway Marina		
		AM	MD	PM
28 Jun 2021	Midweek		6	
29 Jun 2021	Midweek		4	
30 Jun 2021	Midweek		5	
01 Jul 2021	Weekend		5	
02 Jul 2021	Midweek		6	
03 Jul 2021	Weekend			6
04 Jul 2021	Weekend		8	
05 Jul 2021	Midweek			
06 Jul 2021	Midweek		6	
07 Jul 2021	Midweek			
08 Jul 2021	Midweek		3	
09 Jul 2021	Midweek		4	
10 Jul 2021	Weekend		9	
11 Jul 2021	Weekend		10	
12 Jul 2021	Midweek	6		
13 Jul 2021	Midweek			
14 Jul 2021	Midweek			1
15 Jul 2021	Midweek		7	
16 Jul 2021	Midweek		20	
17 Jul 2021	Weekend		20	
18 Jul 2021	Weekend		7	
19 Jul 2021	Midweek			
20 Jul 2021	Midweek		23	
21 Jul 2021	Midweek	4	8	
22 Jul 2021	Midweek		10	2
23 Jul 2021	Midweek		9	
24 Jul 2021	Weekend		27	
25 Jul 2021	Weekend		11	
26 Jul 2021	Midweek			
27 Jul 2021	Midweek		14	
28 Jul 2021	Midweek		18	
29 Jul 2021	Midweek			9
30 Jul 2021	Midweek		17	
31 Jul 2021	Weekend			
01 Aug 2021	Weekend			
02 Aug 2021	Weekend		17	
03 Aug 2021	Midweek		30	

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-2021	Monday	chopy	6							
29-Jun-2021	Tuesday	calm/rippled	4							
30-Jun-2021	Wednesday	calm/rippled	5					4	0916	4
01-Jul-2021	Thursday (Canada Day)	calm/rippled	5							
02-Jul-2021	Friday	calm/rippled	6					2	1256	3
03-Jul-2021	Saturday	calm/rippled	6					3	1300	5
04-Jul-2021	Sunday	calm/rippled	8		2			19	1150	20
05-Jul-2021	Monday		0							
06-Jul-2021	Tuesday	calm/rippled	6							
07-Jul-2021	Wednesday		0							
08-Jul-2021	Thursday	calm/rippled	3					5	1018	6
09-Jul-2021	Friday	calm/rippled	4							
10-Jul-2021	Saturday	calm/rippled	9		1					
11-Jul-2021	Sunday	calm/rippled	10		2					
12-Jul-2021	Monday	calm/rippled	6							
13-Jul-2021	Tuesday		0							
14-Jul-2021	Wednesday	calm/rippled	1							
15-Jul-2021	Thursday	calm/rippled	7	6						
16-Jul-2021	Friday	calm/rippled	20	12	3					
17-Jul-2021	Saturday	calm/rippled	20	5						
18-Jul-2021	Sunday	chopy	7	1						
19-Jul-2021	Monday		0							
20-Jul-2021	Tuesday	calm/rippled	23	19				37	0806	41
21-Jul-2021	Wednesday	chopy	12	5				42	1028	47
22-Jul-2021	Thursday	calm/rippled	12	6	1					
23-Jul-2021	Friday	calm/rippled	9	2						
24-Jul-2021	Saturday	calm/rippled	27	15	8					
25-Jul-2021	Sunday	chopy	11	10	10			0	1009	0
26-Jul-2021	Monday		0							
27-Jul-2021	Tuesday	calm/rippled	14	9						
28-Jul-2021	Wednesday	chopy	18	10	2					
29-Jul-2021	Thursday	chopy	9	9						
30-Jul-2021	Friday	calm/rippled	17	10	2					
31-Jul-2021	Saturday		0							
01-Aug-2021	Sunday		0							
02-Aug-2021	Monday (B.C. Day)	calm/rippled	17	39						
03-Aug-2021	Tuesday	chopy	30	32	5					
	Totals	calm/rippled	167	88	8			22*		24*
	Totals	calm/rippled	103	31	23			7*		8*

\* 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	24	21	504	0.527	0.048			266	24		
Weekend	8	10	80	0.301	0.223			24	18		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	July	1543	873	22	0	0
2017	July	1579	1818	114		10
2018	July	1961	1748	244		
2019	July	1041	869	31		0
2020	July	1316	843	59		48
2021	July	1132	1049	262	0	0
5-Yr Avg	July	1488	1230	94	0	15

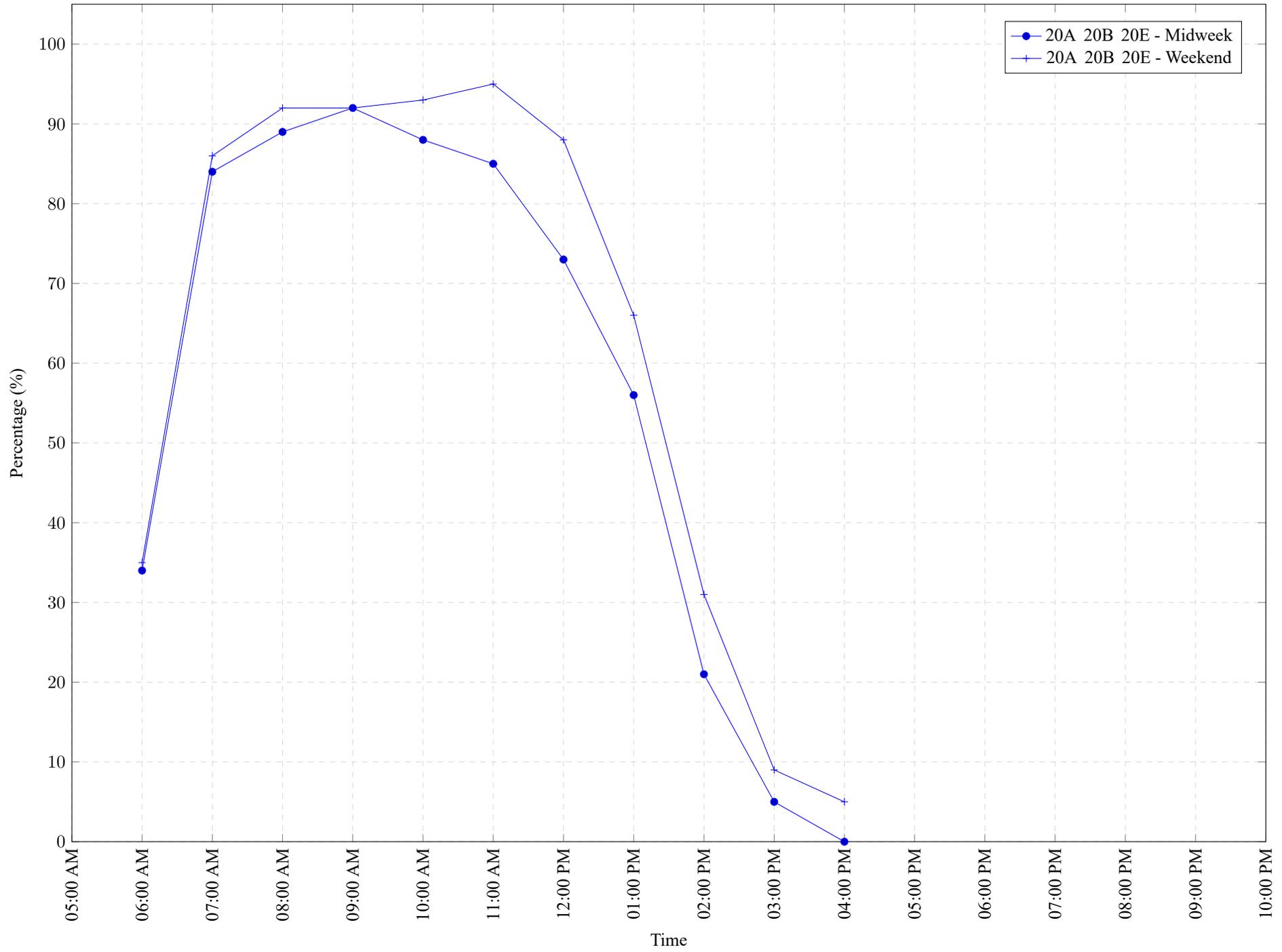
**Table 5: Sport Head Recovery Review.**

Species	Creel Marked Catch	Creel Mark Rate	Creel Submission Rate	iRec Marked Catch	iRec Mark Rate	iRec Submission Rate	Sport Head Recoveries
Coho	942	98%	21%	779	89%	25%	198
Chinook	490	39%	40%	465	35%	43%	198

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	566	26%
iRec Anglers	2557	15%
iRec Anglers	3574	24%

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	34%	84%	89%	92%	88%	85%	73%	56%	21%	5%	0%	0%	0%	0%	0%	0%	0%
20A	20B	20E	Weekend	35%	86%	92%	92%	93%	95%	88%	66%	31%	9%	5%	0%	0%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	Pacific Gateway Marina
28 Jun 2021	Midweek	choppy
29 Jun 2021	Midweek	calm/rippled
30 Jun 2021	Midweek	calm/rippled
01 Jul 2021	Weekend	calm/rippled
02 Jul 2021	Midweek	calm/rippled
03 Jul 2021	Weekend	calm/rippled
04 Jul 2021	Weekend	calm/rippled
05 Jul 2021	Midweek	
06 Jul 2021	Midweek	calm/rippled
07 Jul 2021	Midweek	
08 Jul 2021	Midweek	calm/rippled
09 Jul 2021	Midweek	calm/rippled
10 Jul 2021	Weekend	calm/rippled
11 Jul 2021	Weekend	calm/rippled
12 Jul 2021	Midweek	calm/rippled
13 Jul 2021	Midweek	
14 Jul 2021	Midweek	calm/rippled
15 Jul 2021	Midweek	calm/rippled
16 Jul 2021	Midweek	calm/rippled
17 Jul 2021	Weekend	calm/rippled
18 Jul 2021	Weekend	choppy
19 Jul 2021	Midweek	
20 Jul 2021	Midweek	calm/rippled
21 Jul 2021	Midweek	calm/rippled
22 Jul 2021	Midweek	calm/rippled
23 Jul 2021	Midweek	calm/rippled
24 Jul 2021	Weekend	calm/rippled
25 Jul 2021	Weekend	choppy
26 Jul 2021	Midweek	
27 Jul 2021	Midweek	calm/rippled
28 Jul 2021	Midweek	choppy
29 Jul 2021	Midweek	choppy
30 Jul 2021	Midweek	calm/rippled
31 Jul 2021	Weekend	
01 Aug 2021	Weekend	
02 Aug 2021	Weekend	calm/rippled
03 Aug 2021	Midweek	choppy