

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 20 (East) September 2021



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Friday 11<sup>th</sup> February, 2022



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

Date	Day Type	Becher Bay		Flemming		Pedder Bay		Prestige Hotel Ramp		Sooke Harbour Marina	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
29 Aug 2021	Weekend				2				12		
30 Aug 2021	Midweek					3					
31 Aug 2021	Midweek									8	
01 Sep 2021	Midweek										
02 Sep 2021	Midweek										
03 Sep 2021	Midweek		16								
04 Sep 2021	Weekend				1				37		
05 Sep 2021	Weekend	19									
06 Sep 2021	Weekend				3						
07 Sep 2021	Midweek										
08 Sep 2021	Midweek	4									
09 Sep 2021	Midweek								7		
10 Sep 2021	Midweek										16
11 Sep 2021	Weekend						25				
12 Sep 2021	Weekend										
13 Sep 2021	Midweek							16			
14 Sep 2021	Midweek										
15 Sep 2021	Midweek						9				
16 Sep 2021	Midweek										
17 Sep 2021	Midweek										
18 Sep 2021	Weekend		15								
19 Sep 2021	Weekend										
20 Sep 2021	Midweek			1						10	
21 Sep 2021	Midweek	9				8					
22 Sep 2021	Midweek										
23 Sep 2021	Midweek								16		
24 Sep 2021	Midweek										
25 Sep 2021	Weekend								14		
26 Sep 2021	Weekend										15
27 Sep 2021	Midweek										
28 Sep 2021	Midweek										
29 Sep 2021	Midweek										
30 Sep 2021	Midweek										
01 Oct 2021	Midweek										
02 Oct 2021	Weekend							39			
03 Oct 2021	Weekend						23				16

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-2021	Sunday	frequent whitecaps	15	7	2					
30-Aug-2021	Monday	frequent whitecaps	4					29	0901	65
31-Aug-2021	Tuesday	choppy	9	4	2					
01-Sep-2021	Wednesday		1	1						
02-Sep-2021	Thursday		1		1					
03-Sep-2021	Friday	calm/rippled	17	6						
04-Sep-2021	Saturday	calm/rippled	40	38	14			279	0952	417
05-Sep-2021	Sunday	calm/rippled	20	8	1					
06-Sep-2021	Monday (Labour Day)	calm/rippled	4	3				1	0947	1
07-Sep-2021	Tuesday		1	1						
08-Sep-2021	Wednesday	choppy	4	1	1			35	1020	73
09-Sep-2021	Thursday	frequent whitecaps	8	4	4					
10-Sep-2021	Friday	frequent whitecaps	17	2			1			
11-Sep-2021	Saturday	calm/rippled	26	3	14					
12-Sep-2021	Sunday		1	1	2			110	0955	163
13-Sep-2021	Monday	calm/rippled	17	1	7					
14-Sep-2021	Tuesday		1	1	2					
15-Sep-2021	Wednesday	frequent whitecaps	9	1	1			36	1009	75
16-Sep-2021	Thursday		0					125	0954	259
17-Sep-2021	Friday		0							
18-Sep-2021	Saturday	calm/rippled	15	2	10			85	0950	126
19-Sep-2021	Sunday		0							
20-Sep-2021	Monday	calm/rippled	11	3	9		1			
21-Sep-2021	Tuesday	calm/rippled	17		4					
22-Sep-2021	Wednesday		0					27	1006	56
23-Sep-2021	Thursday	calm/rippled	16	4	12					
24-Sep-2021	Friday		0							
25-Sep-2021	Saturday	frequent whitecaps	14	4	8			0	0918	0
26-Sep-2021	Sunday	calm/rippled	15	5	19					
27-Sep-2021	Monday		0					50	0944	112
28-Sep-2021	Tuesday		0							
29-Sep-2021	Wednesday		0							
30-Sep-2021	Thursday		0							
01-Oct-2021	Friday		0							
02-Oct-2021	Saturday	calm/rippled	39	10	118					
03-Oct-2021	Sunday	frequent whitecaps	39	8	131			77	0923	151
	Totals	choppy	120	25	41		2	55*		115*
	Totals	calm/rippled	135	64	68			95*		141*

\* 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	115	21	2415	0.208	0.342		0.017	502	826		41
Weekend	141	9	1269	0.474	0.504			602	640		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	September	5619	2073	3936		11
2017	September	8560	3127	5167		403
2018	September	6247	1800	4906	383	
2019	September	6617	1725	3966		53
2020	September	7684	883	5681	16	152
2021	September	4490	1606	2181	0	27
5-Yr Avg	September	6945	1922	4731	200	155

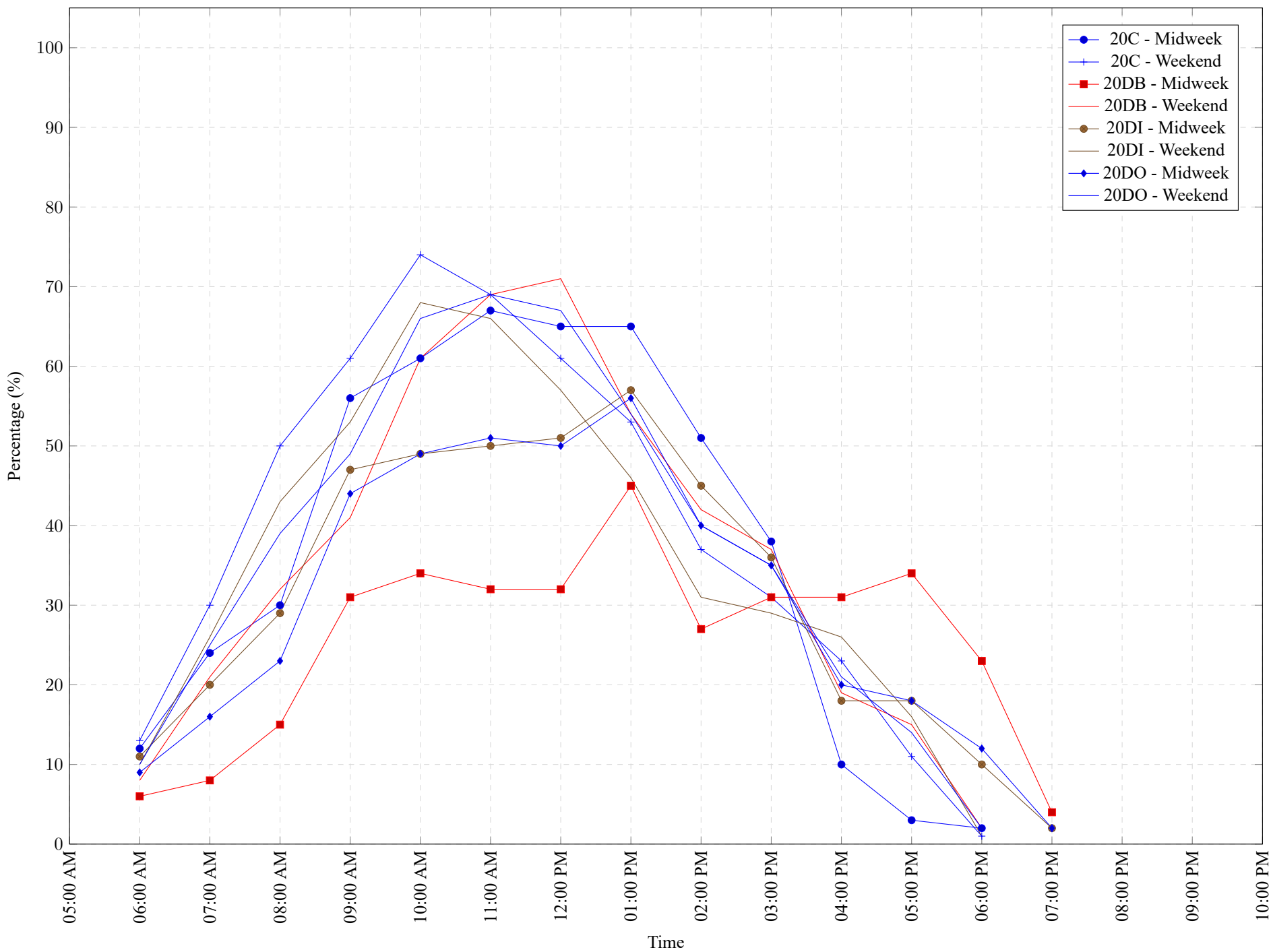
**Table 5: Sport Head Recovery Review.**

Species	Creel Marked Catch	Creel Mark Rate	Creel Submission Rate	iRec Marked Catch	iRec Mark Rate	iRec Submission Rate	Sport Head Recoveries
Coho	3738	79%	17%	4167	82%	15%	622
Chinook	488	26%	49%	488	30%	49%	240

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	385	8%
iRec Anglers	1775	21%
iRec Anglers	5224	18%

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
20C	Midweek	12%	24%	30%	56%	61%	67%	65%	65%	51%	38%	10%	3%	2%	0%	0%	0%	0%
20C	Weekend	13%	30%	50%	61%	74%	69%	61%	53%	37%	31%	23%	11%	1%	0%	0%	0%	0%
20DB	Midweek	6%	8%	15%	31%	34%	32%	32%	45%	27%	31%	31%	34%	23%	4%	0%	0%	0%
20DB	Weekend	8%	21%	32%	41%	61%	69%	71%	54%	42%	37%	19%	15%	2%	0%	0%	0%	0%
20DI	Midweek	11%	20%	29%	47%	49%	50%	51%	57%	45%	36%	18%	18%	10%	2%	0%	0%	0%
20DI	Weekend	10%	26%	43%	53%	68%	66%	57%	46%	31%	29%	26%	16%	1%	0%	0%	0%	0%
20DO	Midweek	9%	16%	23%	44%	49%	51%	50%	56%	40%	35%	20%	18%	12%	2%	0%	0%	0%
20DO	Weekend	10%	25%	39%	49%	66%	69%	67%	54%	40%	35%	21%	14%	2%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	Becher Bay	Flemming	Pedder Bay	Prestige Hotel Ramp	Sooke Harbour Marina
29 Aug 2021	Weekend		frequent whitecaps		frequent whitecaps	
30 Aug 2021	Midweek			frequent whitecaps		
31 Aug 2021	Midweek					choppy
01 Sep 2021	Midweek					
02 Sep 2021	Midweek					
03 Sep 2021	Midweek	calm/rippled				
04 Sep 2021	Weekend		calm/rippled		calm/rippled	
05 Sep 2021	Weekend	calm/rippled				
06 Sep 2021	Weekend		calm/rippled			
07 Sep 2021	Midweek					
08 Sep 2021	Midweek	choppy				
09 Sep 2021	Midweek				frequent whitecaps	
10 Sep 2021	Midweek					frequent whitecaps
11 Sep 2021	Weekend			calm/rippled		
12 Sep 2021	Weekend					
13 Sep 2021	Midweek				calm/rippled	
14 Sep 2021	Midweek					
15 Sep 2021	Midweek			frequent whitecaps		
16 Sep 2021	Midweek					
17 Sep 2021	Midweek					
18 Sep 2021	Weekend	calm/rippled				
19 Sep 2021	Weekend					
20 Sep 2021	Midweek		calm/rippled			calm/rippled
21 Sep 2021	Midweek	choppy		calm/rippled		
22 Sep 2021	Midweek					
23 Sep 2021	Midweek				calm/rippled	
24 Sep 2021	Midweek					
25 Sep 2021	Weekend				frequent whitecaps	
26 Sep 2021	Weekend					calm/rippled
27 Sep 2021	Midweek					
28 Sep 2021	Midweek					
29 Sep 2021	Midweek					
30 Sep 2021	Midweek					
01 Oct 2021	Midweek					
02 Oct 2021	Weekend				calm/rippled	
03 Oct 2021	Weekend			frequent whitecaps		frequent whitecaps