

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 20 (East) September 2020



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Tuesday 2<sup>nd</sup> February, 2021



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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		Jock's Dock (Crab Shack)		Pedder Bay	
		AM	PM	AM	PM	AM	PM	AM	PM
29 Aug 2020	Weekend	17							20
30 Aug 2020	Weekend						24	21	
31 Aug 2020	Midweek					16			12
01 Sep 2020	Midweek								
02 Sep 2020	Midweek								
03 Sep 2020	Midweek							19	
04 Sep 2020	Midweek		14	2					
05 Sep 2020	Weekend						25		
06 Sep 2020	Weekend	21					22		
07 Sep 2020	Weekend								
08 Sep 2020	Midweek		6						
09 Sep 2020	Midweek								
10 Sep 2020	Midweek		13						
11 Sep 2020	Midweek	5					3		
12 Sep 2020	Weekend				4				38
13 Sep 2020	Weekend		17						
14 Sep 2020	Midweek		4						
15 Sep 2020	Midweek								
16 Sep 2020	Midweek					12			
17 Sep 2020	Midweek						4		
18 Sep 2020	Midweek								
19 Sep 2020	Weekend						14		13
20 Sep 2020	Weekend					15			
21 Sep 2020	Midweek								
22 Sep 2020	Midweek								
23 Sep 2020	Midweek					3			
24 Sep 2020	Midweek								1
25 Sep 2020	Midweek						1		
26 Sep 2020	Weekend								
27 Sep 2020	Weekend		16				17	29	
28 Sep 2020	Midweek								22
29 Sep 2020	Midweek								
30 Sep 2020	Midweek								
01 Oct 2020	Midweek						20	12	
02 Oct 2020	Midweek				5				
03 Oct 2020	Weekend								

*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-2020	Saturday	choppy	37	5	12			234	0922	360
30-Aug-2020	Sunday	choppy	47	18	28					
31-Aug-2020	Monday	calm/rippled	29	11	21					
01-Sep-2020	Tuesday		0					167	1200	303
02-Sep-2020	Wednesday		1	2						
03-Sep-2020	Thursday	choppy	20	4	1		1			
04-Sep-2020	Friday	choppy	17	3	6					
05-Sep-2020	Saturday	choppy	25	5	4	1	3			
06-Sep-2020	Sunday	calm/rippled	44	5	17		2	155	1547	591
07-Sep-2020	Monday (Labour Day)		1		1					
08-Sep-2020	Tuesday	calm/rippled	8	2	4					
09-Sep-2020	Wednesday		0							
10-Sep-2020	Thursday	calm/rippled	14	2	9			100	1156	181
11-Sep-2020	Friday	choppy	8	2	4					
12-Sep-2020	Saturday	calm/rippled	43	11	30		1			
13-Sep-2020	Sunday	calm/rippled	18	2	25					
14-Sep-2020	Monday	choppy	5		9					
15-Sep-2020	Tuesday		0							
16-Sep-2020	Wednesday	calm/rippled	12	3	11					
17-Sep-2020	Thursday	calm/rippled	4		4					
18-Sep-2020	Friday		0							
19-Sep-2020	Saturday	frequent whitecaps	27	1	33			124	1135	163
20-Sep-2020	Sunday	calm/rippled	15	1	33			127	1510	484
21-Sep-2020	Monday		1	1	1			118	1153	192
22-Sep-2020	Tuesday		2		3					
23-Sep-2020	Wednesday	calm/rippled	4		5					
24-Sep-2020	Thursday	calm/rippled	2		3					
25-Sep-2020	Friday	choppy	2		7			13	1205	24
26-Sep-2020	Saturday		0					103	1138	135
27-Sep-2020	Sunday	calm/rippled	63	3	95		4			
28-Sep-2020	Monday	calm/rippled	23	3	11					
29-Sep-2020	Tuesday		1		1					
30-Sep-2020	Wednesday		0							
01-Oct-2020	Thursday	calm/rippled	34	5	56					
02-Oct-2020	Friday	calm/rippled	7		23					
03-Oct-2020	Saturday		0							
	Totals	calm/rippled	124	22	79		1	100*		175*
	Totals	calm/rippled	236	28	238	1	10	127*		343*

\* 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	175	21	3675	0.1770	0.6370		0.0080	650	2341		29
Weekend	343	9	3087	0.1190	1.0080	0.0040	0.0420	367	3112	12	130

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	September	5124	2520	4392		17
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
5-Yr Avg	September	6433	2249	4473	383	121

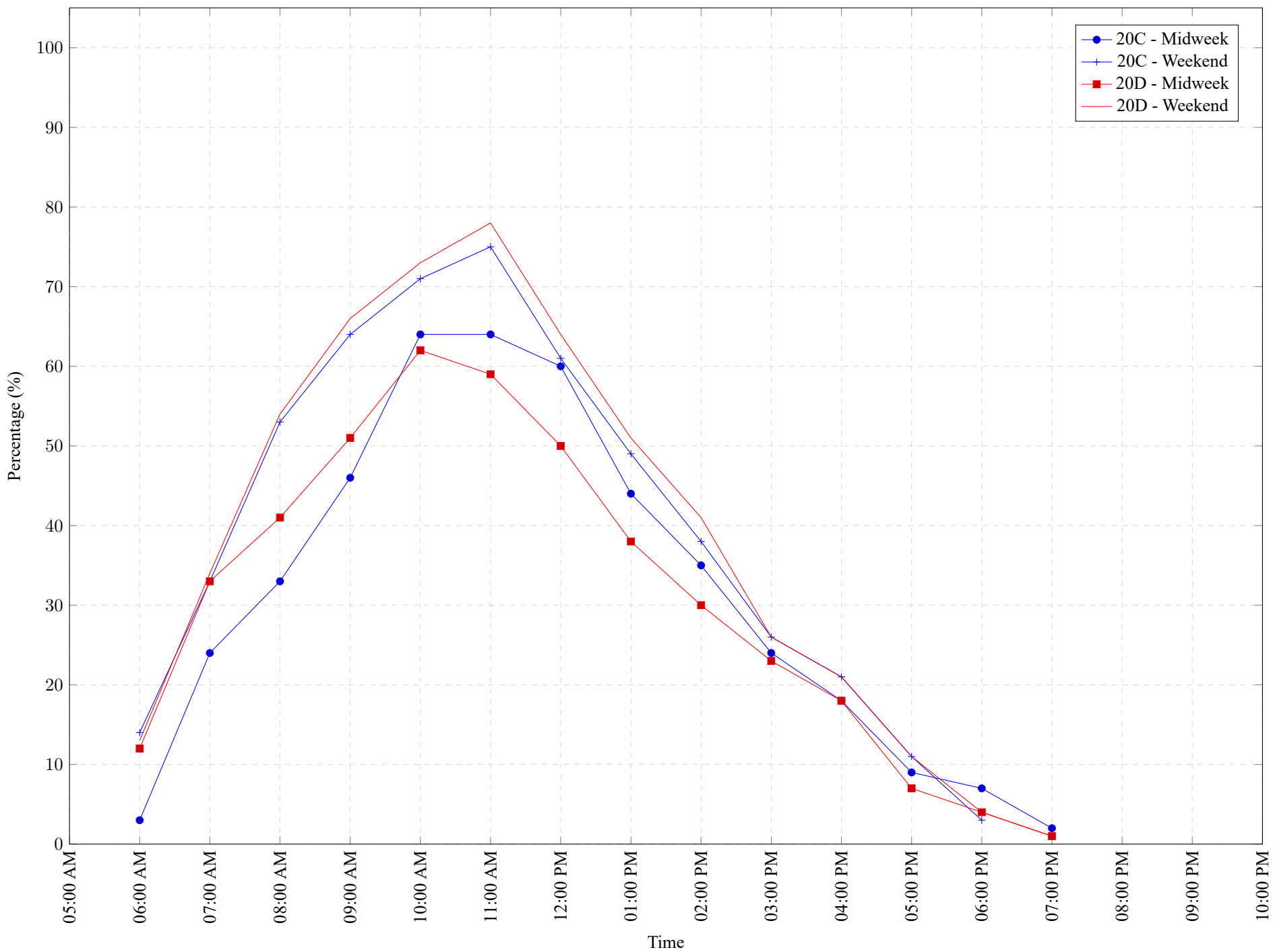
**Table 5: Sport Head Recovery Review.**

Species	Creel Marked Catch	Creel Mark Rate	Creel Submission Rate	iRec Marked Catch	iRec Mark Rate	iRec Submission Rate	Sport Head Recoveries
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**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	589	12%
iRec Anglers	3395	14%
iRec Anglers	7383	12%

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	3%	24%	33%	46%	64%	64%	60%	44%	35%	24%	18%	9%	7%	2%	0%	0%	0%
20C	Weekend	14%	33%	53%	64%	71%	75%	61%	49%	38%	26%	21%	11%	3%	0%	0%	0%	0%
20D	Midweek	12%	33%	41%	51%	62%	59%	50%	38%	30%	23%	18%	7%	4%	1%	0%	0%	0%
20D	Weekend	13%	34%	54%	66%	73%	78%	64%	51%	41%	26%	21%	11%	4%	1%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	Becher Bay	Flemming	Jock's Dock (Crab Shack)	Pedder Bay
29 Aug 2020	Weekend	choppy			choppy
30 Aug 2020	Weekend			choppy	calm/rippled
31 Aug 2020	Midweek			calm/rippled	calm/rippled
01 Sep 2020	Midweek				
02 Sep 2020	Midweek				
03 Sep 2020	Midweek				choppy
04 Sep 2020	Midweek	choppy	calm/rippled		
05 Sep 2020	Weekend			choppy	
06 Sep 2020	Weekend	calm/rippled		calm/rippled	
07 Sep 2020	Weekend				
08 Sep 2020	Midweek	calm/rippled			
09 Sep 2020	Midweek				
10 Sep 2020	Midweek	calm/rippled			
11 Sep 2020	Midweek	choppy		frequent whitecaps	
12 Sep 2020	Weekend		choppy		calm/rippled
13 Sep 2020	Weekend	calm/rippled			
14 Sep 2020	Midweek	choppy			
15 Sep 2020	Midweek				
16 Sep 2020	Midweek			calm/rippled	
17 Sep 2020	Midweek			calm/rippled	
18 Sep 2020	Midweek				
19 Sep 2020	Weekend			frequent whitecaps	frequent whitecaps
20 Sep 2020	Weekend			calm/rippled	
21 Sep 2020	Midweek				
22 Sep 2020	Midweek				
23 Sep 2020	Midweek			calm/rippled	
24 Sep 2020	Midweek				calm/rippled
25 Sep 2020	Midweek			choppy	
26 Sep 2020	Weekend				
27 Sep 2020	Weekend	calm/rippled		calm/rippled	calm/rippled
28 Sep 2020	Midweek				calm/rippled
29 Sep 2020	Midweek				
30 Sep 2020	Midweek				
01 Oct 2020	Midweek			calm/rippled	calm/rippled
02 Oct 2020	Midweek		calm/rippled		
03 Oct 2020	Weekend				