

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 28 August 2020



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Wednesday 3<sup>rd</sup> February, 2021



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

		Brechin	Gibson's		McDonald Beach		Planetarium		Sewell's West		Thunder-bird Marina
Date	Day Type	PM	AM	PM	AM	PM	AM	PM	AM	PM	PM
29 Jul 2020	Midweek			2					1		
30 Jul 2020	Midweek						7				
31 Jul 2020	Midweek									2	
01 Aug 2020	Weekend										
02 Aug 2020	Weekend					6					
03 Aug 2020	Weekend										
04 Aug 2020	Midweek										1
05 Aug 2020	Midweek				4						
06 Aug 2020	Midweek										
07 Aug 2020	Midweek					2					
08 Aug 2020	Weekend										
09 Aug 2020	Weekend	1						18			
10 Aug 2020	Midweek										
11 Aug 2020	Midweek										
12 Aug 2020	Midweek									3	
13 Aug 2020	Midweek										2
14 Aug 2020	Midweek							9			
15 Aug 2020	Weekend									1	
16 Aug 2020	Weekend										2
17 Aug 2020	Midweek										
18 Aug 2020	Midweek								1		
19 Aug 2020	Midweek									1	
20 Aug 2020	Midweek										1
21 Aug 2020	Midweek						1				
22 Aug 2020	Weekend						9				
23 Aug 2020	Weekend						9				
24 Aug 2020	Midweek										
25 Aug 2020	Midweek				1						
26 Aug 2020	Midweek							3			
27 Aug 2020	Midweek							2			
28 Aug 2020	Midweek								1		
29 Aug 2020	Weekend		2						4		
30 Aug 2020	Weekend				2						
31 Aug 2020	Midweek										
01 Sep 2020	Midweek								1		
02 Sep 2020	Midweek						4				
03 Sep 2020	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
29-Jul-2020	Wednesday	calm/rippled	3		3					
30-Jul-2020	Thursday	choppy	7		3					
31-Jul-2020	Friday	calm/rippled	2		1			17	1236	24
01-Aug-2020	Saturday		0					70	1222	89
02-Aug-2020	Sunday	choppy	6	1						
03-Aug-2020	Monday (B.C. Day)		1		2					
04-Aug-2020	Tuesday	choppy	1							
05-Aug-2020	Wednesday	choppy	4					14	1148	19
06-Aug-2020	Thursday		0							
07-Aug-2020	Friday	choppy	3		1					
08-Aug-2020	Saturday		1		1					
09-Aug-2020	Sunday	calm/rippled	20	1	4			66	1237	83
10-Aug-2020	Monday		0							
11-Aug-2020	Tuesday		0					22	1218	33
12-Aug-2020	Wednesday	choppy	3		3					
13-Aug-2020	Thursday	calm/rippled	2		1					
14-Aug-2020	Friday	calm/rippled	10							
15-Aug-2020	Saturday	calm/rippled	2					42	1228	54
16-Aug-2020	Sunday	calm/rippled	2							
17-Aug-2020	Monday		0							
18-Aug-2020	Tuesday	choppy	1							
19-Aug-2020	Wednesday	calm/rippled	1							
20-Aug-2020	Thursday	choppy	1					14	1119	19
21-Aug-2020	Friday	choppy	1	2						
22-Aug-2020	Saturday	choppy	11	3	1			79	1220	99
23-Aug-2020	Sunday	choppy	9	2						
24-Aug-2020	Monday		0							
25-Aug-2020	Tuesday	calm/rippled	2							
26-Aug-2020	Wednesday	choppy	5	2	1					
27-Aug-2020	Thursday	calm/rippled	2	1	1			19	1145	24
28-Aug-2020	Friday	choppy	1					24	1202	36
29-Aug-2020	Saturday	frequent whitecaps	6					17	1150	21
30-Aug-2020	Sunday	choppy	3		1					
31-Aug-2020	Monday		0							
01-Sep-2020	Tuesday	calm/rippled	1							
02-Sep-2020	Wednesday	calm/rippled	4	2						
03-Sep-2020	Thursday		0							
	Totals	choppy	37	5	7			19*		26*
	Totals	choppy	61	7	9			55*		69*

\* 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	26	20	520	0.1350	0.1890			70	98		
Weekend	69	11	759	0.1150	0.1480			87	112		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	August	3614	805	40		
2016	August	2290	155	20		
2017	August	1234	389	927		
2018	August	844	58	225	35	
2019	August	1167	727	0		0
2020	August	1340	171	194		0
5-Yr Avg	August	1830	427	242	35	0

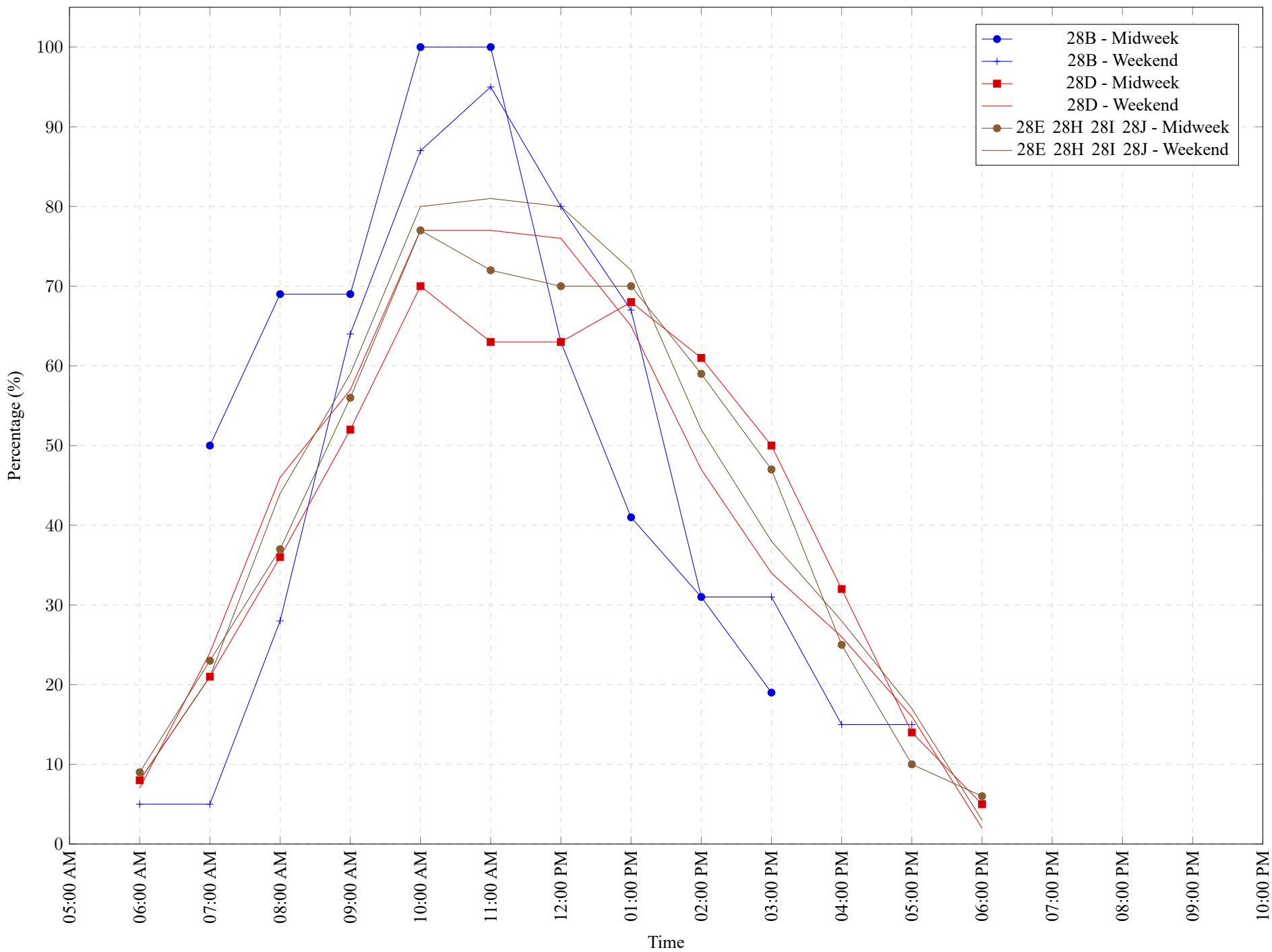
**Table 5: Sport Head Recovery Review.**

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	93	9%
iRec Anglers	4400	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
28B	Midweek	0%	50%	69%	69%	100%	100%	63%	41%	31%	19%	0%	0%	0%	0%	0%	0%	0%
28B	Weekend	5%	5%	28%	64%	87%	95%	80%	67%	31%	31%	15%	15%	0%	0%	0%	0%	0%
28D	Midweek	8%	21%	36%	52%	70%	63%	63%	68%	61%	50%	32%	14%	5%	0%	0%	0%	0%
28D	Weekend	7%	24%	46%	57%	77%	77%	76%	65%	47%	34%	26%	16%	2%	0%	0%	0%	0%
28E 28H 28I 28J	Midweek	9%	23%	37%	56%	77%	72%	70%	70%	59%	47%	25%	10%	6%	0%	0%	0%	0%
28E 28H 28I 28J	Weekend	8%	21%	44%	59%	80%	81%	80%	72%	52%	38%	28%	17%	3%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	Brechin	Gibson's	McDonald Beach	Planetarium	Sewell's West	Thunderbird Marina
29 Jul 2020	Midweek		calm/rippled			calm/rippled	
30 Jul 2020	Midweek				choppy		
31 Jul 2020	Midweek					calm/rippled	
01 Aug 2020	Weekend						
02 Aug 2020	Weekend			choppy			
03 Aug 2020	Weekend						
04 Aug 2020	Midweek						choppy
05 Aug 2020	Midweek			choppy			
06 Aug 2020	Midweek						
07 Aug 2020	Midweek			choppy			
08 Aug 2020	Weekend						
09 Aug 2020	Weekend	choppy			calm/rippled		
10 Aug 2020	Midweek						
11 Aug 2020	Midweek						
12 Aug 2020	Midweek					choppy	
13 Aug 2020	Midweek						calm/rippled
14 Aug 2020	Midweek				calm/rippled		
15 Aug 2020	Weekend					calm/rippled	
16 Aug 2020	Weekend						calm/rippled
17 Aug 2020	Midweek						
18 Aug 2020	Midweek					choppy	
19 Aug 2020	Midweek					calm/rippled	
20 Aug 2020	Midweek						choppy
21 Aug 2020	Midweek				choppy		
22 Aug 2020	Weekend				choppy		
23 Aug 2020	Weekend				choppy		
24 Aug 2020	Midweek						
25 Aug 2020	Midweek			calm/rippled			
26 Aug 2020	Midweek				choppy		
27 Aug 2020	Midweek				calm/rippled		
28 Aug 2020	Midweek					choppy	
29 Aug 2020	Weekend		choppy			frequent whitecaps	
30 Aug 2020	Weekend			choppy			
31 Aug 2020	Midweek						
01 Sep 2020	Midweek					calm/rippled	
02 Sep 2020	Midweek				calm/rippled		
03 Sep 2020	Midweek						