

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 28 September 2020



Prepared By:
South Coast Salmon Stock Assessment Section

Wednesday 3rd February, 2021



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

Date	Day Type	Gibson's		McDonald Beach		Planetarium		Sewell's West		Thunderbird Marina	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
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										
04 Sep 2020	Midweek								4		
05 Sep 2020	Weekend						7				
06 Sep 2020	Weekend								9		
07 Sep 2020	Weekend										
08 Sep 2020	Midweek						7				
09 Sep 2020	Midweek										4
10 Sep 2020	Midweek						4				
11 Sep 2020	Midweek										
12 Sep 2020	Weekend										
13 Sep 2020	Weekend				1						
14 Sep 2020	Midweek										
15 Sep 2020	Midweek										1
16 Sep 2020	Midweek								4		
17 Sep 2020	Midweek					1					
18 Sep 2020	Midweek										
19 Sep 2020	Weekend							4			
20 Sep 2020	Weekend			3							
21 Sep 2020	Midweek										
22 Sep 2020	Midweek										1
23 Sep 2020	Midweek										
24 Sep 2020	Midweek										
25 Sep 2020	Midweek										7
26 Sep 2020	Weekend					3					
27 Sep 2020	Weekend		1							2	
28 Sep 2020	Midweek										
29 Sep 2020	Midweek										
30 Sep 2020	Midweek				3						
01 Oct 2020	Midweek										
02 Oct 2020	Midweek										
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	frequent whitecaps choppy	6					17	1150	21
30-Aug-2020	Sunday		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							
04-Sep-2020	Friday	calm/rippled	4							
05-Sep-2020	Saturday	choppy	9	3	1					
06-Sep-2020	Sunday	calm/rippled	9	3	1			38	1403	56
07-Sep-2020	Monday (Labour Day)		0							
08-Sep-2020	Tuesday	choppy	7	2	2					
09-Sep-2020	Wednesday	calm/rippled	4	2	2					
10-Sep-2020	Thursday	calm/rippled	4	3				16	1434	35
11-Sep-2020	Friday		0							
12-Sep-2020	Saturday		0							
13-Sep-2020	Sunday	calm/rippled	1							
14-Sep-2020	Monday		1							
15-Sep-2020	Tuesday	calm/rippled	1		1					
16-Sep-2020	Wednesday	calm/rippled	4		2					
17-Sep-2020	Thursday	calm/rippled	1							
18-Sep-2020	Friday		0							
19-Sep-2020	Saturday	calm/rippled	4	1				55	1425	79
20-Sep-2020	Sunday	calm/rippled	3					72	1358	104
21-Sep-2020	Monday		0					22	1414	48
22-Sep-2020	Tuesday	calm/rippled	4	1						
23-Sep-2020	Wednesday		0							
24-Sep-2020	Thursday		1							
25-Sep-2020	Friday	choppy	7	2				54	1406	120
26-Sep-2020	Saturday	choppy	3					51	1427	74
27-Sep-2020	Sunday	calm/rippled	3							
28-Sep-2020	Monday		0							
29-Sep-2020	Tuesday		0							
30-Sep-2020	Wednesday	calm/rippled	3							
01-Oct-2020	Thursday		0							
02-Oct-2020	Friday		0							
03-Oct-2020	Saturday		2	2						
	Totals	calm/rippled	46	12	7			31*		68*
	Totals	calm/rippled	32	7	2			54*		78*

* 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	68	21	1428	0.2610	0.1520			373	217		
Weekend	78	9	702	0.2190	0.0630			154	44		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	September	1485	459	184		
2016	September	1439	213	54		
2017	September	2963	1262	657		
2018	September	2131	391	358		
2019	September	1132	198	190		0
2020	September	2213	326	399		0
5-Yr Avg	September	1830	505	289		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	71	31%
iRec Anglers	2835	22%

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

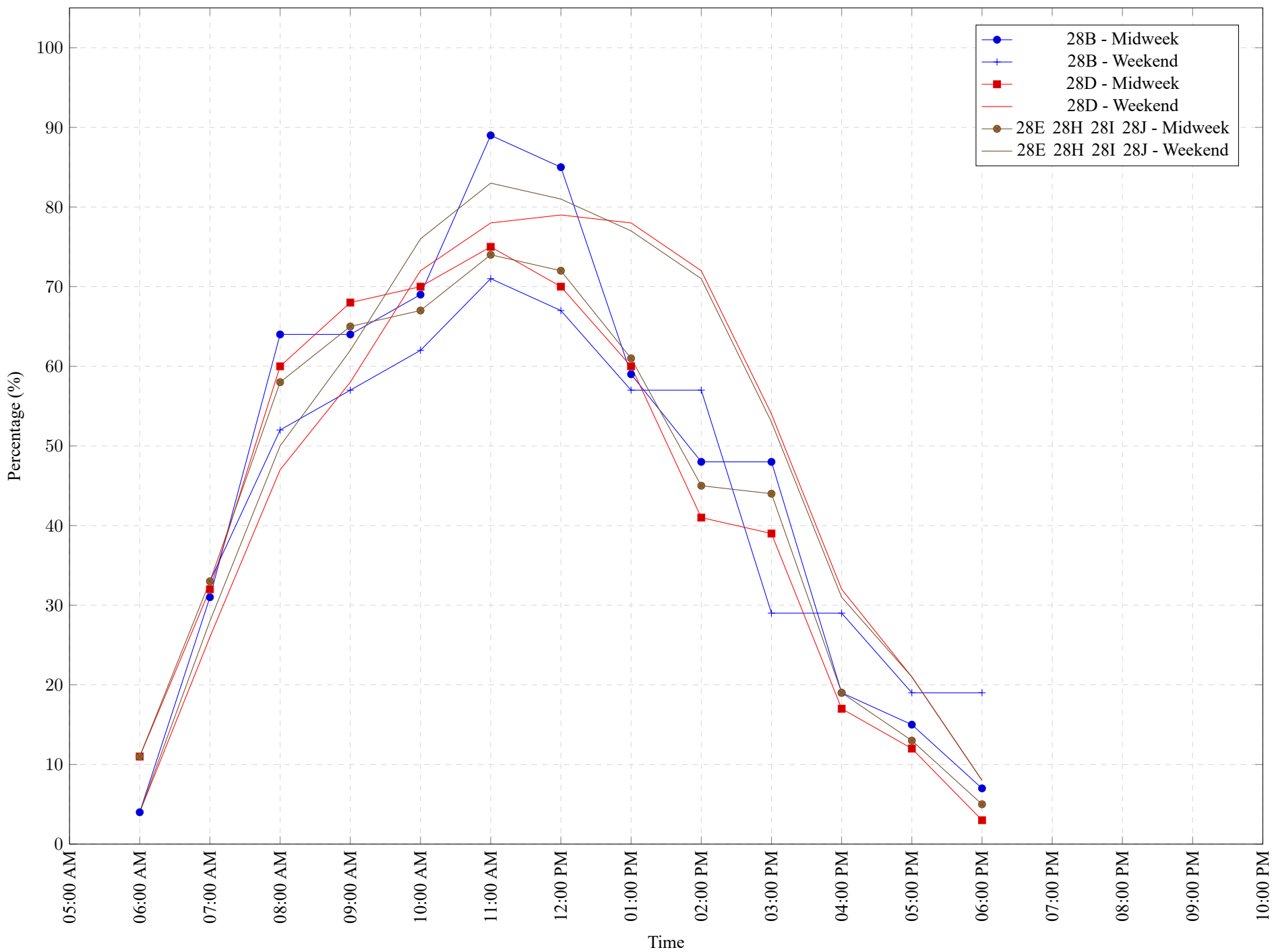


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00	7:00	8:00	9:00	10:00	11:00	12:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00
		AM	AM	AM	AM	AM	AM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
28B	Midweek	4%	31%	64%	64%	69%	89%	85%	59%	48%	48%	19%	15%	7%	0%	0%	0%	0%
28B	Weekend	0%	33%	52%	57%	62%	71%	67%	57%	57%	29%	29%	19%	19%	0%	0%	0%	0%
28D	Midweek	11%	32%	60%	68%	70%	75%	70%	60%	41%	39%	17%	12%	3%	0%	0%	0%	0%
28D	Weekend	4%	26%	47%	58%	72%	78%	79%	78%	72%	54%	32%	21%	8%	0%	0%	0%	0%
28E 28H 28I 28J	Midweek	11%	33%	58%	65%	67%	74%	72%	61%	45%	44%	19%	13%	5%	0%	0%	0%	0%
28E 28H 28I 28J	Weekend	4%	28%	50%	62%	76%	83%	81%	77%	71%	53%	31%	21%	8%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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