

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 28 June 2021



Prepared By:

South Coast Salmon Stock Assessment Section

Saturday 5th February, 2022



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

Date	Day Type	McDonald Beach		Planetarium		Sewell's East		Sewell's West		Thunderbird Marina	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
29 May 2021	Weekend										5
30 May 2021	Weekend									2	
31 May 2021	Midweek				4						
01 Jun 2021	Midweek									1	
02 Jun 2021	Midweek									1	
03 Jun 2021	Midweek							1			
04 Jun 2021	Midweek										
05 Jun 2021	Weekend				1						
06 Jun 2021	Weekend			1					2		
07 Jun 2021	Midweek									1	
08 Jun 2021	Midweek				1						
09 Jun 2021	Midweek			1			1				
10 Jun 2021	Midweek										
11 Jun 2021	Midweek		2								
12 Jun 2021	Weekend				5				1		
13 Jun 2021	Weekend		1								2
14 Jun 2021	Midweek										
15 Jun 2021	Midweek					1					
16 Jun 2021	Midweek										1
17 Jun 2021	Midweek				2						
18 Jun 2021	Midweek			1							
19 Jun 2021	Weekend	2									
20 Jun 2021	Weekend		1							2	
21 Jun 2021	Midweek										
22 Jun 2021	Midweek										1
23 Jun 2021	Midweek										
24 Jun 2021	Midweek	1									
25 Jun 2021	Midweek										
26 Jun 2021	Weekend			1							
27 Jun 2021	Weekend									1	
28 Jun 2021	Midweek										
29 Jun 2021	Midweek			3							
30 Jun 2021	Midweek										
01 Jul 2021	Weekend								2		
02 Jul 2021	Midweek										1
03 Jul 2021	Weekend				7				3		

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-May-2021	Saturday	calm/rippled	11							
30-May-2021	Sunday	calm/rippled	4							
31-May-2021	Monday	choppy	6							
01-Jun-2021	Tuesday	choppy	6					13	1321	34
02-Jun-2021	Wednesday	calm/rippled	2							
03-Jun-2021	Thursday	calm/rippled	1							
04-Jun-2021	Friday		0							
05-Jun-2021	Saturday	choppy	4					12	1312	24
06-Jun-2021	Sunday	choppy	5							
07-Jun-2021	Monday	choppy	1							
08-Jun-2021	Tuesday	choppy	2					6	1316	17
09-Jun-2021	Wednesday	choppy	3							
10-Jun-2021	Thursday		1							
11-Jun-2021	Friday	choppy	3							
12-Jun-2021	Saturday	choppy	13							
13-Jun-2021	Sunday	choppy	5					8	1318	16
14-Jun-2021	Monday		0							
15-Jun-2021	Tuesday	choppy	1							
16-Jun-2021	Wednesday	calm/rippled	2					10	1330	27
17-Jun-2021	Thursday	calm/rippled	2							
18-Jun-2021	Friday	calm/rippled	2					13	1329	36
19-Jun-2021	Saturday	calm/rippled	3					25	1343	50
20-Jun-2021	Sunday	choppy	10							
21-Jun-2021	Monday		0							
22-Jun-2021	Tuesday	calm/rippled	3							
23-Jun-2021	Wednesday		5					11	1318	29
24-Jun-2021	Thursday	choppy	1							
25-Jun-2021	Friday		2							
26-Jun-2021	Saturday	calm/rippled	3					20	1336	40
27-Jun-2021	Sunday	calm/rippled	2							
28-Jun-2021	Monday		0							
29-Jun-2021	Tuesday	calm/rippled	3		1					
30-Jun-2021	Wednesday		2							
01-Jul-2021	Thursday (Canada Day)	calm/rippled	2							
02-Jul-2021	Friday	calm/rippled	2					16	1152	43
03-Jul-2021	Saturday	choppy	10					21	1151	60
	Totals	choppy	42		1			11*		29*
	Totals	choppy	45					16*		33*

* 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	29	22	638		0.024				15		
Weekend	33	8	264								

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	June	1985	550	255		
2017	June	886	235			
2018	June	437	30	23		
2019	June	441	0	0		0
2020	June	1248	26	58		10
2021	June	894	0	17		0
5-Yr Avg	June	999	168	84		5

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	76	4%
iRec Anglers	1988	10%

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

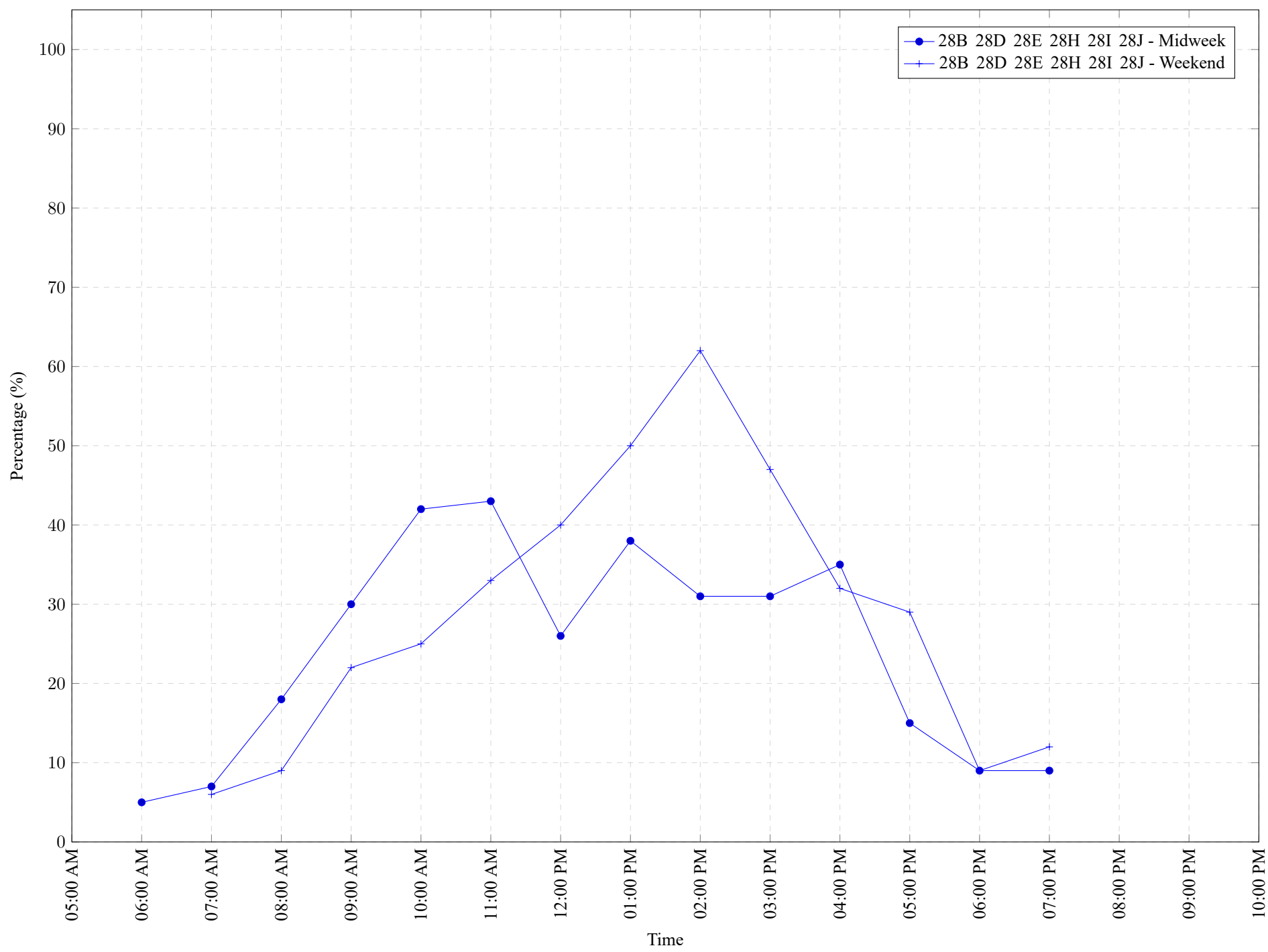


Table 7: Proportion of each day's fishing by hour.

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	28D	28E	28H	28I	28J		Midweek	5%	7%	18%	30%	42%	43%	26%	38%	31%	31%	35%	15%	9%	9%	0%	0%	0%
28B	28D	28E	28H	28I	28J		Weekend	0%	6%	9%	22%	25%	33%	40%	50%	62%	47%	32%	29%	9%	12%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	McDonald Beach	Planetarium	Sewell's East	Sewell's West	Thunderbird Marina
29 May 2021	Weekend					calm/rippled
30 May 2021	Weekend					calm/rippled
31 May 2021	Midweek		choppy			
01 Jun 2021	Midweek					choppy
02 Jun 2021	Midweek					calm/rippled
03 Jun 2021	Midweek				calm/rippled	
04 Jun 2021	Midweek					
05 Jun 2021	Weekend		choppy			
06 Jun 2021	Weekend		choppy		choppy	
07 Jun 2021	Midweek					choppy
08 Jun 2021	Midweek		choppy			
09 Jun 2021	Midweek		choppy	calm/rippled		
10 Jun 2021	Midweek					
11 Jun 2021	Midweek	choppy				
12 Jun 2021	Weekend		choppy		calm/rippled	
13 Jun 2021	Weekend	calm/rippled				choppy
14 Jun 2021	Midweek					
15 Jun 2021	Midweek			choppy		
16 Jun 2021	Midweek					calm/rippled
17 Jun 2021	Midweek		calm/rippled			
18 Jun 2021	Midweek		calm/rippled			
19 Jun 2021	Weekend	calm/rippled				
20 Jun 2021	Weekend	choppy				choppy
21 Jun 2021	Midweek					
22 Jun 2021	Midweek					calm/rippled
23 Jun 2021	Midweek					
24 Jun 2021	Midweek	choppy				
25 Jun 2021	Midweek					
26 Jun 2021	Weekend		calm/rippled			
27 Jun 2021	Weekend					calm/rippled
28 Jun 2021	Midweek					
29 Jun 2021	Midweek		calm/rippled			
30 Jun 2021	Midweek					
01 Jul 2021	Weekend				calm/rippled	
02 Jul 2021	Midweek					calm/rippled
03 Jul 2021	Weekend		choppy		choppy	