

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 28 July 2020



Prepared By:
South Coast Salmon Stock Assessment Section

Tuesday 2nd February, 2021



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

Date	Day Type	Brechin	Gibson's	McDonald Beach		Planetarium		Sewell's West		Thunderbird Marina	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
28 Jun 2020	Weekend										
29 Jun 2020	Midweek										
30 Jun 2020	Midweek										
01 Jul 2020	Weekend							1			
02 Jul 2020	Midweek										
03 Jul 2020	Midweek										
04 Jul 2020	Weekend					3					
05 Jul 2020	Weekend						8				
06 Jul 2020	Midweek										2
07 Jul 2020	Midweek	1						1			
08 Jul 2020	Midweek						1				
09 Jul 2020	Midweek										
10 Jul 2020	Midweek										1
11 Jul 2020	Weekend									1	
12 Jul 2020	Weekend						10				
13 Jul 2020	Midweek										
14 Jul 2020	Midweek					6					
15 Jul 2020	Midweek					2					
16 Jul 2020	Midweek										
17 Jul 2020	Midweek										
18 Jul 2020	Weekend										1
19 Jul 2020	Weekend							4			
20 Jul 2020	Midweek										
21 Jul 2020	Midweek				2						
22 Jul 2020	Midweek							1			
23 Jul 2020	Midweek				3						
24 Jul 2020	Midweek										
25 Jul 2020	Weekend			2							
26 Jul 2020	Weekend				3						
27 Jul 2020	Midweek										
28 Jul 2020	Midweek			2							
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										

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
28-Jun-2020	Sunday		0							
29-Jun-2020	Monday		0					14	1318	33
30-Jun-2020	Tuesday		0					2	1338	4
01-Jul-2020	Wednesday (Canada Day)	choppy	1					16	1330	30
02-Jul-2020	Thursday		0							
03-Jul-2020	Friday		0							
04-Jul-2020	Saturday	choppy	3					28	1314	49
05-Jul-2020	Sunday	calm/rippled	8							
06-Jul-2020	Monday	choppy	2					14	1314	31
07-Jul-2020	Tuesday	choppy	2		1			4	1315	9
08-Jul-2020	Wednesday	choppy	1							
09-Jul-2020	Thursday		0							
10-Jul-2020	Friday	choppy	1							
11-Jul-2020	Saturday	choppy	1					17	1319	30
12-Jul-2020	Sunday	choppy	10					36	1333	62
13-Jul-2020	Monday		0							
14-Jul-2020	Tuesday	choppy	6					5	1254	12
15-Jul-2020	Wednesday	calm/rippled	2					8	1246	16
16-Jul-2020	Thursday		0							
17-Jul-2020	Friday		1		2					
18-Jul-2020	Saturday	choppy	1					25	1316	44
19-Jul-2020	Sunday	choppy	4							
20-Jul-2020	Monday		0							
21-Jul-2020	Tuesday	choppy	2					1	1247	2
22-Jul-2020	Wednesday	choppy	2							
23-Jul-2020	Thursday	choppy	4							
24-Jul-2020	Friday		0							
25-Jul-2020	Saturday	choppy	2		1			25	1237	34
26-Jul-2020	Sunday	choppy	3							
27-Jul-2020	Monday		0							
28-Jul-2020	Tuesday	choppy	2					5	1313	12
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	34
01-Aug-2020	Saturday		0					70	1222	95
02-Aug-2020	Sunday	choppy	6	1						
03-Aug-2020	Monday (B.C. Day)		1		2					
	Totals	choppy	37		10			8*		17*
	Totals	choppy	33		1			25*		42*

* 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	17	22	374		0.27				101		
Weekend	42	9	378		0.03				11		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	July	2652	198	417		
2016	July	2824	359	110		
2017	July	1443	130	7		
2018	July	1674		185		
2019	July	939	90	108		0
2020	July	813	0	151		0
5-Yr Avg	July	1906	194	165		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
---------	--------------------	-----------------	-----------------------	-------------------	----------------	----------------------	-----------------------

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	67	9%
iRec Anglers	1755	25%

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

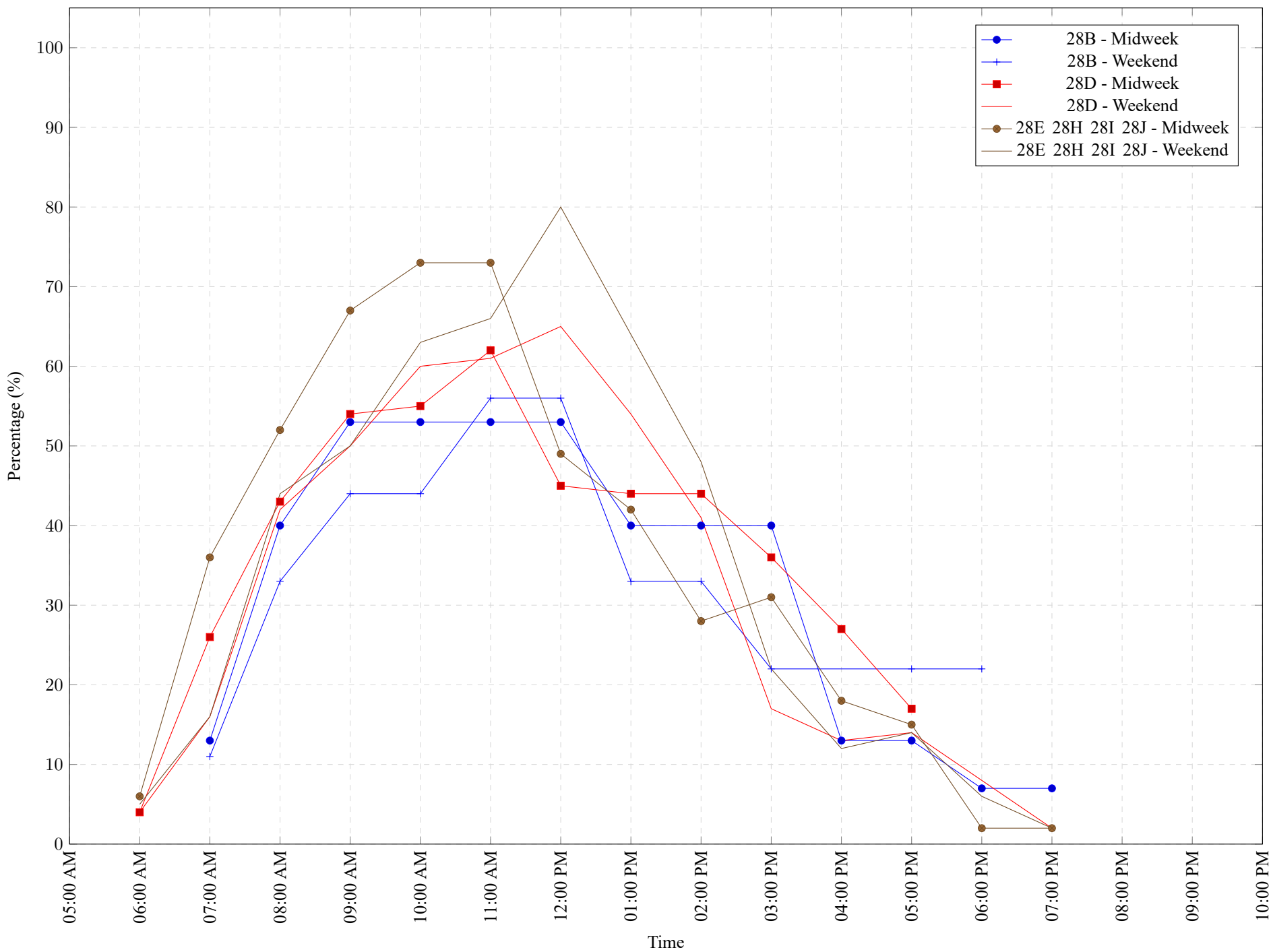


Table 7: Proportion of each day's fishing by hour.

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	0%	13%	40%	53%	53%	53%	53%	40%	40%	40%	13%	13%	7%	7%	0%	0%	0%
28B	Weekend	0%	11%	33%	44%	44%	56%	56%	33%	33%	22%	0%	22%	22%	0%	0%	0%	0%
28D	Midweek	4%	26%	43%	54%	55%	62%	45%	44%	44%	36%	27%	17%	0%	0%	0%	0%	0%
28D	Weekend	4%	16%	42%	50%	60%	61%	65%	54%	41%	17%	13%	14%	8%	2%	0%	0%	0%
28E 28H 28I 28J	Midweek	6%	36%	52%	67%	73%	73%	49%	42%	28%	31%	18%	15%	2%	2%	0%	0%	0%
28E 28H 28I 28J	Weekend	5%	16%	44%	50%	63%	66%	80%	64%	48%	22%	12%	14%	6%	2%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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