

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 28 July 2019



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



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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	
		PM	AM	AM	PM	AM	PM	PM	AM	PM
28 Jun 2019	Midweek						1			
29 Jun 2019	Weekend				7					
30 Jun 2019	Weekend						4			
01 Jul 2019	Weekend									
02 Jul 2019	Midweek									
03 Jul 2019	Midweek						2			
04 Jul 2019	Midweek									
05 Jul 2019	Midweek									
06 Jul 2019	Weekend								3	
07 Jul 2019	Weekend			2						
08 Jul 2019	Midweek									
09 Jul 2019	Midweek									
10 Jul 2019	Midweek									
11 Jul 2019	Midweek									
12 Jul 2019	Midweek				4					
13 Jul 2019	Weekend						10			
14 Jul 2019	Weekend	1						1		
15 Jul 2019	Midweek									
16 Jul 2019	Midweek									
17 Jul 2019	Midweek						1			
18 Jul 2019	Midweek									
19 Jul 2019	Midweek					1				
20 Jul 2019	Weekend				18					
21 Jul 2019	Weekend					11				
22 Jul 2019	Midweek									
23 Jul 2019	Midweek									
24 Jul 2019	Midweek									
25 Jul 2019	Midweek				2					
26 Jul 2019	Midweek			6						
27 Jul 2019	Weekend		1							
28 Jul 2019	Weekend								3	
29 Jul 2019	Midweek									
30 Jul 2019	Midweek									
31 Jul 2019	Midweek			6						
01 Aug 2019	Midweek									
02 Aug 2019	Midweek					1				
03 Aug 2019	Weekend			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
28-Jun-2019	Friday	choppy	1							
29-Jun-2019	Saturday	calm/rippled	7					21	1309	31
30-Jun-2019	Sunday	choppy	7							
01-Jul-2019	Monday (Canada Day)		0							
02-Jul-2019	Tuesday		0							
03-Jul-2019	Wednesday	calm/rippled	2							
04-Jul-2019	Thursday		2		2			24	1149	34
05-Jul-2019	Friday		0							
06-Jul-2019	Saturday	choppy	3					16	1159	21
07-Jul-2019	Sunday	choppy	2							
08-Jul-2019	Monday		0							
09-Jul-2019	Tuesday		0					16	1147	22
10-Jul-2019	Wednesday		0							
11-Jul-2019	Thursday		0							
12-Jul-2019	Friday	calm/rippled	4							
13-Jul-2019	Saturday	calm/rippled	12					19	1151	25
14-Jul-2019	Sunday	calm/rippled	2					16	1155	22
15-Jul-2019	Monday		0							
16-Jul-2019	Tuesday		0							
17-Jul-2019	Wednesday	choppy	2	2						
18-Jul-2019	Thursday		0					10	1147	14
19-Jul-2019	Friday	choppy	2					19	1144	26
20-Jul-2019	Saturday	choppy	18	1						
21-Jul-2019	Sunday	calm/rippled	11	1	5			32	1154	42
22-Jul-2019	Monday		0							
23-Jul-2019	Tuesday		1							
24-Jul-2019	Wednesday		2							
25-Jul-2019	Thursday	calm/rippled	2					21	1146	30
26-Jul-2019	Friday	calm/rippled	9	2	2					
27-Jul-2019	Saturday	frequent whitecaps	5							
28-Jul-2019	Sunday	choppy	4					72	1143	96
29-Jul-2019	Monday		1	1						
30-Jul-2019	Tuesday		0					14	1139	20
31-Jul-2019	Wednesday	calm/rippled	6	3						
01-Aug-2019	Thursday		1					9	1141	12
02-Aug-2019	Friday	choppy	1	1						
03-Aug-2019	Saturday	choppy	4	6				47	1152	62
	Totals	calm/rippled	33	8	4			17*		24*
	Totals	choppy	57	2	5			31*		41*

* 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	24	22	528	0.2420	0.1210			128	64		
Weekend	41	9	369	0.0350	0.0880			13	32		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	July	2622	106	947	12	
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
5-Yr Avg	July	2243	198	333	12	

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
Coho	88	81%	24%	274	100%	8%	21
Chinook	12	13%	75%	328	83%	3%	9

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	90	2%
iRec Anglers	4493	20%
iRec Responses	106	8%

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

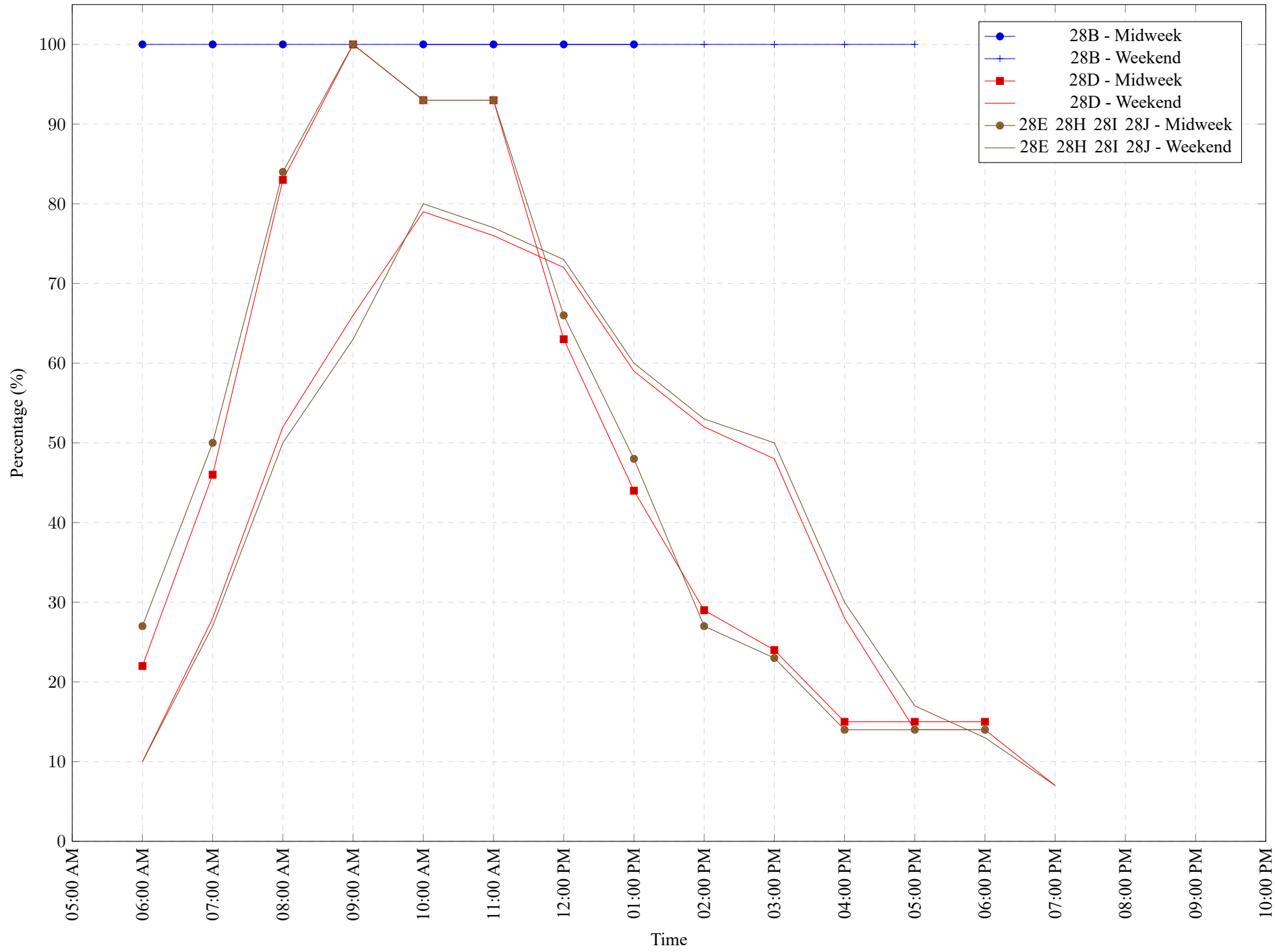


Table 7: Proportion of each day's fishing by hour.

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	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%
28B	Weekend	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%	0%
28D	Midweek	22%	46%	83%	100%	93%	93%	63%	44%	29%	24%	15%	15%	15%	0%	0%	0%	0%
28D	Weekend	10%	28%	52%	66%	79%	76%	72%	59%	52%	48%	28%	14%	14%	7%	0%	0%	0%
28E 28H 28I 28J	Midweek	27%	50%	84%	100%	93%	93%	66%	48%	27%	23%	14%	14%	14%	0%	0%	0%	0%
28E 28H 28I 28J	Weekend	10%	27%	50%	63%	80%	77%	73%	60%	53%	50%	30%	17%	13%	7%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Brechin	Gibson's	McDonald Beach	Planetarium	Sewell's West	Thunderbird Marina
28 Jun 2019	Midweek				choppy		
29 Jun 2019	Weekend			calm/rippled			
30 Jun 2019	Weekend				choppy		
01 Jul 2019	Weekend						
02 Jul 2019	Midweek						
03 Jul 2019	Midweek				calm/rippled		
04 Jul 2019	Midweek						
05 Jul 2019	Midweek						
06 Jul 2019	Weekend						choppy
07 Jul 2019	Weekend			choppy			
08 Jul 2019	Midweek						
09 Jul 2019	Midweek						
10 Jul 2019	Midweek						
11 Jul 2019	Midweek						
12 Jul 2019	Midweek			calm/rippled			
13 Jul 2019	Weekend				calm/rippled		
14 Jul 2019	Weekend	choppy				calm/rippled	
15 Jul 2019	Midweek						
16 Jul 2019	Midweek						
17 Jul 2019	Midweek				choppy		
18 Jul 2019	Midweek						
19 Jul 2019	Midweek				choppy		
20 Jul 2019	Weekend			choppy			
21 Jul 2019	Weekend				calm/rippled		
22 Jul 2019	Midweek						
23 Jul 2019	Midweek						
24 Jul 2019	Midweek						
25 Jul 2019	Midweek			calm/rippled			
26 Jul 2019	Midweek			calm/rippled			
27 Jul 2019	Weekend		frequent whitecaps				
28 Jul 2019	Weekend						choppy
29 Jul 2019	Midweek						
30 Jul 2019	Midweek						
31 Jul 2019	Midweek			calm/rippled			
01 Aug 2019	Midweek				choppy		
02 Aug 2019	Midweek						
03 Aug 2019	Weekend			choppy			