

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 28 September 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Tuesday 15th February, 2022



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	Gibson's		McDon- ald Beach	Planetar- ium	Sewell's East	Thunderbird Marina	
		AM	PM	PM	PM	AM	AM	PM
29 Aug 2021	Weekend			4	15			
30 Aug 2021	Midweek							
31 Aug 2021	Midweek							
01 Sep 2021	Midweek					2		
02 Sep 2021	Midweek							
03 Sep 2021	Midweek							
04 Sep 2021	Weekend	1						
05 Sep 2021	Weekend							4
06 Sep 2021	Weekend							3
07 Sep 2021	Midweek				2			
08 Sep 2021	Midweek							
09 Sep 2021	Midweek							
10 Sep 2021	Midweek							
11 Sep 2021	Weekend						1	
12 Sep 2021	Weekend		2			4		
13 Sep 2021	Midweek						3	
14 Sep 2021	Midweek							
15 Sep 2021	Midweek							
16 Sep 2021	Midweek							
17 Sep 2021	Midweek							
18 Sep 2021	Weekend							
19 Sep 2021	Weekend							
20 Sep 2021	Midweek							
21 Sep 2021	Midweek							
22 Sep 2021	Midweek							
23 Sep 2021	Midweek							
24 Sep 2021	Midweek							
25 Sep 2021	Weekend							
26 Sep 2021	Weekend							
27 Sep 2021	Midweek							
28 Sep 2021	Midweek							
29 Sep 2021	Midweek							
30 Sep 2021	Midweek							
01 Oct 2021	Midweek							
02 Oct 2021	Weekend							
03 Oct 2021	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-2021	Sunday	choppy	19	2	1					
30-Aug-2021	Monday		0					11	1126	18
31-Aug-2021	Tuesday		0							
01-Sep-2021	Wednesday	choppy	2		3					
02-Sep-2021	Thursday		2							
03-Sep-2021	Friday		0							
04-Sep-2021	Saturday	choppy	3					22	1225	32
05-Sep-2021	Sunday	calm/rippled	6	6						
06-Sep-2021	Monday (Labour Day)	calm/rippled	5	1	1			44	1223	63
07-Sep-2021	Tuesday	calm/rippled	3	3	1					
08-Sep-2021	Wednesday		3		1			8	1239	13
09-Sep-2021	Thursday		2							
10-Sep-2021	Friday		2							
11-Sep-2021	Saturday	choppy	5	2	2					
12-Sep-2021	Sunday	choppy	9	3	3			56	1245	117
13-Sep-2021	Monday	calm/rippled	8	7	6					
14-Sep-2021	Tuesday		3	4	3					
15-Sep-2021	Wednesday		0					6	1236	10
16-Sep-2021	Thursday		1	2				60	1225	98
17-Sep-2021	Friday		0							
18-Sep-2021	Saturday		1					30	1225	44
19-Sep-2021	Sunday		1							
20-Sep-2021	Monday		2							
21-Sep-2021	Tuesday		5		1					
22-Sep-2021	Wednesday		2	2				21	1238	35
23-Sep-2021	Thursday		1	1						
24-Sep-2021	Friday		9	5	1					
25-Sep-2021	Saturday		4					126	1135	145
26-Sep-2021	Sunday		0							
27-Sep-2021	Monday		1					8	1205	13
28-Sep-2021	Tuesday		2	2						
29-Sep-2021	Wednesday		1							
30-Sep-2021	Thursday		6	1						
01-Oct-2021	Friday		2	4						
02-Oct-2021	Saturday		2							
03-Oct-2021	Sunday		5					42	1149	53
	Totals	calm/rippled	55	27	16			21*		34*
	Totals	choppy	34	12	6			56*		80*

* 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	34	21	714	0.491	0.291			351	208		
Weekend	80	9	720	0.353	0.176			254	127		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2021	September	1545	691	572		0
5-Yr Avg	September	1976	478	332		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
Coho	567	99%	2%	299	66%	4%	11
Chinook	177	26%	9%	233	38%	7%	16

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	40	28%
iRec Anglers	3681	27%

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

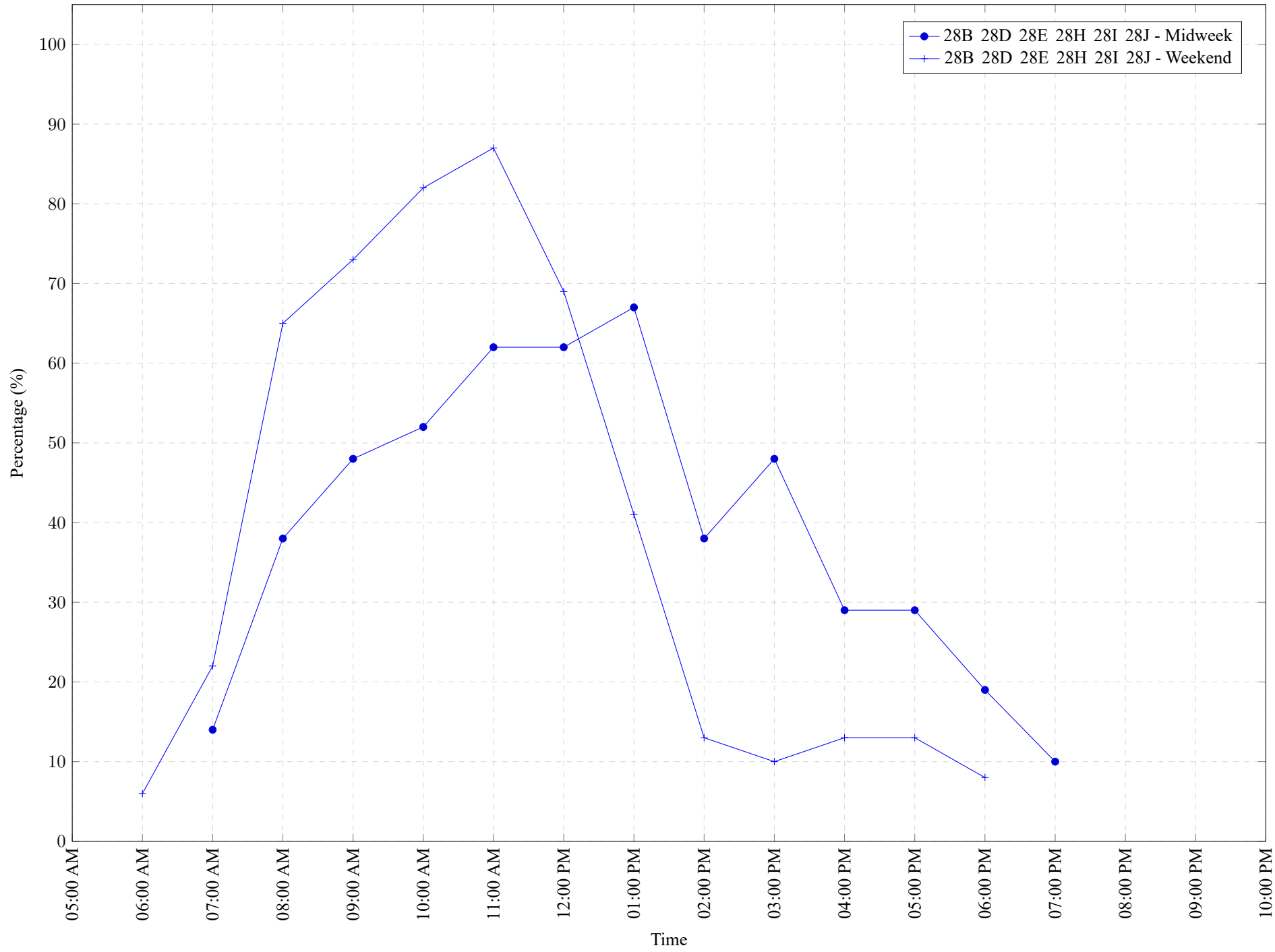


Table 7: Proportion of each day's fishing by hour.

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	0%	14%	38%	48%	52%	62%	62%	67%	38%	48%	29%	29%	19%	10%	0%	0%	0%
28B	28D	28E	28H	28I	28J		Weekend	6%	22%	65%	73%	82%	87%	69%	41%	13%	10%	13%	13%	8%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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