

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 28 October 2022



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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Canada



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

Date	Day Type	Planetarium		Porteau Cove		Sewell's West PM	Thunderbird Marina	
		AM	PM	AM	PM		AM	PM
28 Sep 2022	Midweek							
29 Sep 2022	Midweek	3						
30 Sep 2022	Midweek			4				
01 Oct 2022	Weekend	7						
02 Oct 2022	Weekend							3
03 Oct 2022	Midweek							
04 Oct 2022	Midweek							
05 Oct 2022	Midweek	3						
06 Oct 2022	Midweek							
07 Oct 2022	Midweek				1			
08 Oct 2022	Weekend					2		
09 Oct 2022	Weekend				7			
10 Oct 2022	Weekend							
11 Oct 2022	Midweek							
12 Oct 2022	Midweek		2					
13 Oct 2022	Midweek							
14 Oct 2022	Midweek					3		
15 Oct 2022	Weekend	1						
16 Oct 2022	Weekend							
17 Oct 2022	Midweek							
18 Oct 2022	Midweek				2			
19 Oct 2022	Midweek							
20 Oct 2022	Midweek							
21 Oct 2022	Midweek							
22 Oct 2022	Weekend							
23 Oct 2022	Weekend							
24 Oct 2022	Midweek							
25 Oct 2022	Midweek							
26 Oct 2022	Midweek							1
27 Oct 2022	Midweek							
28 Oct 2022	Midweek						2	
29 Oct 2022	Weekend							
30 Oct 2022	Weekend							
31 Oct 2022	Midweek							
01 Nov 2022	Midweek							
02 Nov 2022	Midweek							
03 Nov 2022	Midweek							

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-Sep-2022	Wednesday		1							
29-Sep-2022	Thursday	calm/rippled	3							
30-Sep-2022	Friday	calm/rippled	4							
01-Oct-2022	Saturday	calm/rippled	9	3						
02-Oct-2022	Sunday	calm/rippled	3							
03-Oct-2022	Monday		0							
04-Oct-2022	Tuesday		0							
05-Oct-2022	Wednesday	calm/rippled	5	2	1					
06-Oct-2022	Thursday		0							
07-Oct-2022	Friday	calm/rippled	1							
08-Oct-2022	Saturday	calm/rippled	3	3						
09-Oct-2022	Sunday	calm/rippled	7							
10-Oct-2022	Monday (Thanksgiving)		0							
11-Oct-2022	Tuesday		0							
12-Oct-2022	Wednesday	choppy	3	1						
13-Oct-2022	Thursday		0							
14-Oct-2022	Friday	calm/rippled	4					16	1237	19
15-Oct-2022	Saturday	calm/rippled	1		1					
16-Oct-2022	Sunday		0					36	1252	42
17-Oct-2022	Monday		0					17	1244	19
18-Oct-2022	Tuesday	calm/rippled	3	1						
19-Oct-2022	Wednesday		0							
20-Oct-2022	Thursday		0							
21-Oct-2022	Friday		0							
22-Oct-2022	Saturday		0					15	1249	16
23-Oct-2022	Sunday		0							
24-Oct-2022	Monday		0							
25-Oct-2022	Tuesday		0							
26-Oct-2022	Wednesday	calm/rippled	2	2				8	1236	9
27-Oct-2022	Thursday		0							
28-Oct-2022	Friday	calm/rippled	3	2						
29-Oct-2022	Saturday		0							
30-Oct-2022	Sunday		0					1	1205	1
31-Oct-2022	Monday		0							
01-Nov-2022	Tuesday		2							
02-Nov-2022	Wednesday		0							
03-Nov-2022	Thursday		0							
	Totals	calm/rippled	21	8	1			14*		16*
	Totals	calm/rippled	23	6	1			17*		20*

* 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
Weekend	20	11	220	0.261	0.043			57	9		
Midweek	16	20	320	0.381	0.048			122	15		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	October	411	51	135		
2022	October	590	83	46		0
5-Yr Avg	October	411	51	135		

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
Chinook	36	43%	31%	50	46%	22%	11

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	44	16%
iRec Anglers	1069	27%

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

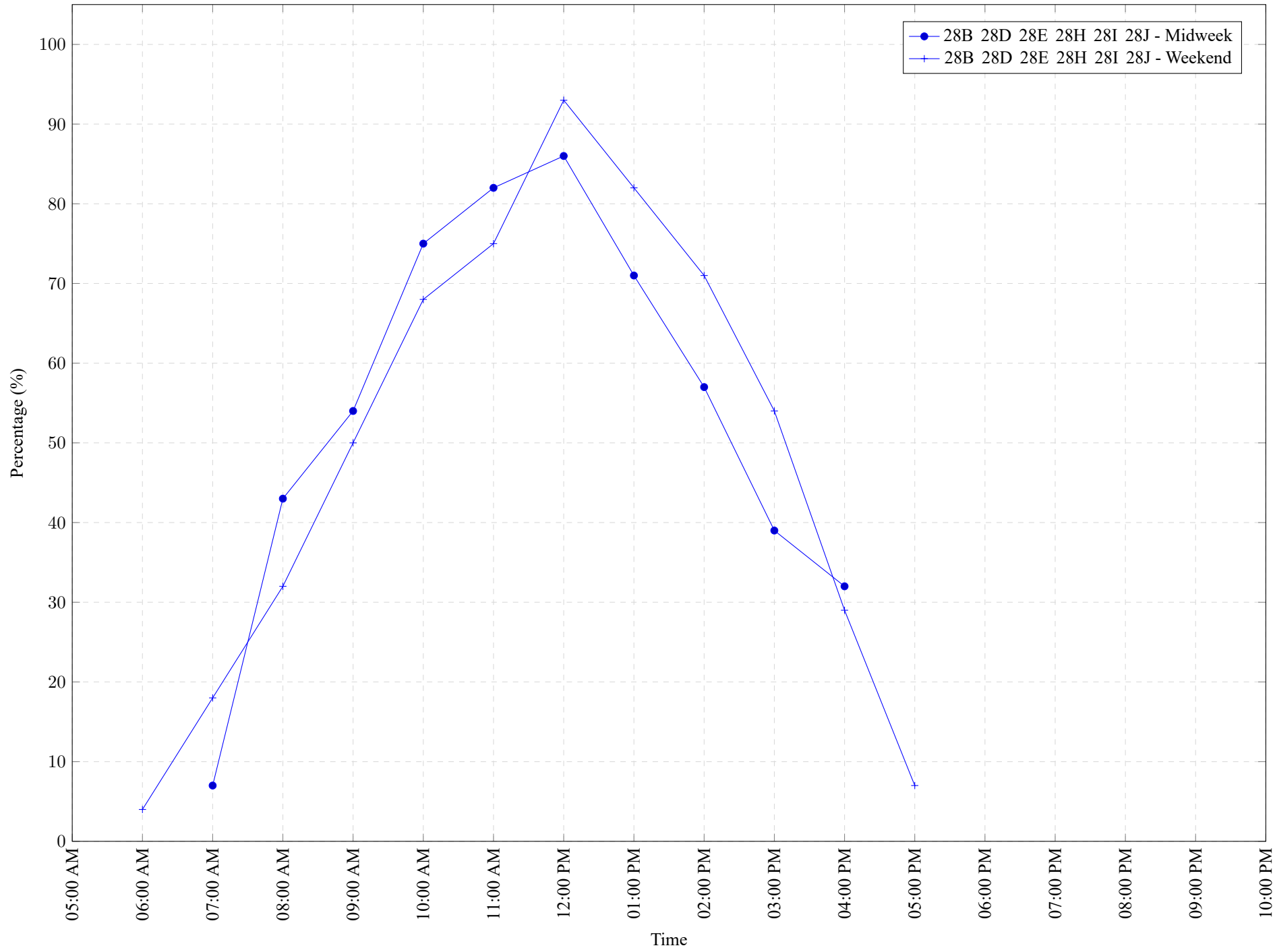


Table 7: Proportion of each day's fishing by hour.

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%	7%	43%	54%	75%	82%	86%	71%	57%	39%	32%	0%	0%	0%	0%	0%	0%
28B	28D	28E	28H	28I	28J	Weekend	4%	18%	32%	50%	68%	75%	93%	82%	71%	54%	29%	7%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Planetarium	Porteau Cove	Sewell's West	Thunderbird Marina
28 Sep 2022	Midweek				
29 Sep 2022	Midweek	calm/rippled			
30 Sep 2022	Midweek		calm/rippled		
01 Oct 2022	Weekend	calm/rippled			
02 Oct 2022	Weekend				calm/rippled
03 Oct 2022	Midweek				
04 Oct 2022	Midweek				
05 Oct 2022	Midweek	calm/rippled			
06 Oct 2022	Midweek				
07 Oct 2022	Midweek		calm/rippled		
08 Oct 2022	Weekend			calm/rippled	
09 Oct 2022	Weekend		calm/rippled		
10 Oct 2022	Weekend				
11 Oct 2022	Midweek				
12 Oct 2022	Midweek	choppy			
13 Oct 2022	Midweek				
14 Oct 2022	Midweek			calm/rippled	
15 Oct 2022	Weekend	calm/rippled			
16 Oct 2022	Weekend				
17 Oct 2022	Midweek				
18 Oct 2022	Midweek		calm/rippled		
19 Oct 2022	Midweek				
20 Oct 2022	Midweek				
21 Oct 2022	Midweek				
22 Oct 2022	Weekend				
23 Oct 2022	Weekend				
24 Oct 2022	Midweek				
25 Oct 2022	Midweek				
26 Oct 2022	Midweek				calm/rippled
27 Oct 2022	Midweek				
28 Oct 2022	Midweek				calm/rippled
29 Oct 2022	Weekend				
30 Oct 2022	Weekend				
31 Oct 2022	Midweek				
01 Nov 2022	Midweek				
02 Nov 2022	Midweek				
03 Nov 2022	Midweek				