

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 28 April 2022



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Thursday 19<sup>th</sup> 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	McDon- ald Beach	Planetarium		Porteau Cove		Sewell's West	Squamish Boat Launch	Thunderbird Marina	
		PM	AM	PM	AM	PM	PM	PM	AM	PM
29 Mar 2022	Midweek									
30 Mar 2022	Midweek									
31 Mar 2022	Midweek									
01 Apr 2022	Midweek									
02 Apr 2022	Weekend									
03 Apr 2022	Weekend									
04 Apr 2022	Midweek									
05 Apr 2022	Midweek									
06 Apr 2022	Midweek									
07 Apr 2022	Midweek		2							
08 Apr 2022	Midweek								1	
09 Apr 2022	Weekend				2			2		
10 Apr 2022	Weekend									
11 Apr 2022	Midweek									
12 Apr 2022	Midweek									
13 Apr 2022	Midweek									
14 Apr 2022	Midweek									
15 Apr 2022	Weekend									
16 Apr 2022	Weekend									
17 Apr 2022	Weekend				8					
18 Apr 2022	Midweek									
19 Apr 2022	Midweek									
20 Apr 2022	Midweek						1			
21 Apr 2022	Midweek									1
22 Apr 2022	Midweek			3						
23 Apr 2022	Weekend		1							
24 Apr 2022	Weekend									
25 Apr 2022	Midweek									
26 Apr 2022	Midweek									
27 Apr 2022	Midweek					1				
28 Apr 2022	Midweek	3								
29 Apr 2022	Midweek									1
30 Apr 2022	Weekend						2			
01 May 2022	Weekend						2			
02 May 2022	Midweek									
03 May 2022	Midweek	4								

*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-Mar-2022	Tuesday		6	4						
30-Mar-2022	Wednesday		1							
31-Mar-2022	Thursday		3	3						
01-Apr-2022	Friday		1							
02-Apr-2022	Saturday		1					19	1301	25
03-Apr-2022	Sunday		1							
04-Apr-2022	Monday		2							
05-Apr-2022	Tuesday		1					1	1242	2
06-Apr-2022	Wednesday		3							
07-Apr-2022	Thursday	calm/rippled	2							
08-Apr-2022	Friday	choppy	3							
09-Apr-2022	Saturday	calm/rippled	3					3	1239	6
10-Apr-2022	Sunday	choppy	2							
11-Apr-2022	Monday		0							
12-Apr-2022	Tuesday		0							
13-Apr-2022	Wednesday		2							
14-Apr-2022	Thursday		0							
15-Apr-2022	Friday (Good Friday)		1					9	1256	16
16-Apr-2022	Saturday		0							
17-Apr-2022	Sunday	calm/rippled	8							
18-Apr-2022	Monday		0							
19-Apr-2022	Tuesday		0							
20-Apr-2022	Wednesday	calm/rippled	2							
21-Apr-2022	Thursday	calm/rippled	1							
22-Apr-2022	Friday	choppy	5							
23-Apr-2022	Saturday	calm/rippled	1							
24-Apr-2022	Sunday		0							
25-Apr-2022	Monday		0					2	1251	4
26-Apr-2022	Tuesday		0							
27-Apr-2022	Wednesday	choppy	1					3	1246	5
28-Apr-2022	Thursday	calm/rippled	4							
29-Apr-2022	Friday	calm/rippled	2	2						
30-Apr-2022	Saturday	calm/rippled	5							
01-May-2022	Sunday	calm/rippled	4							
02-May-2022	Monday		1							
03-May-2022	Tuesday	choppy	10							
	Totals	calm/rippled	29	2				2*		4*
	Totals	calm/rippled	22					10*		16*

\* 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	4	20	80	0.069				6			
Weekend	16	10	160								

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2022	April	1229	2			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
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**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	49	2%
iRec Anglers	317	32%

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

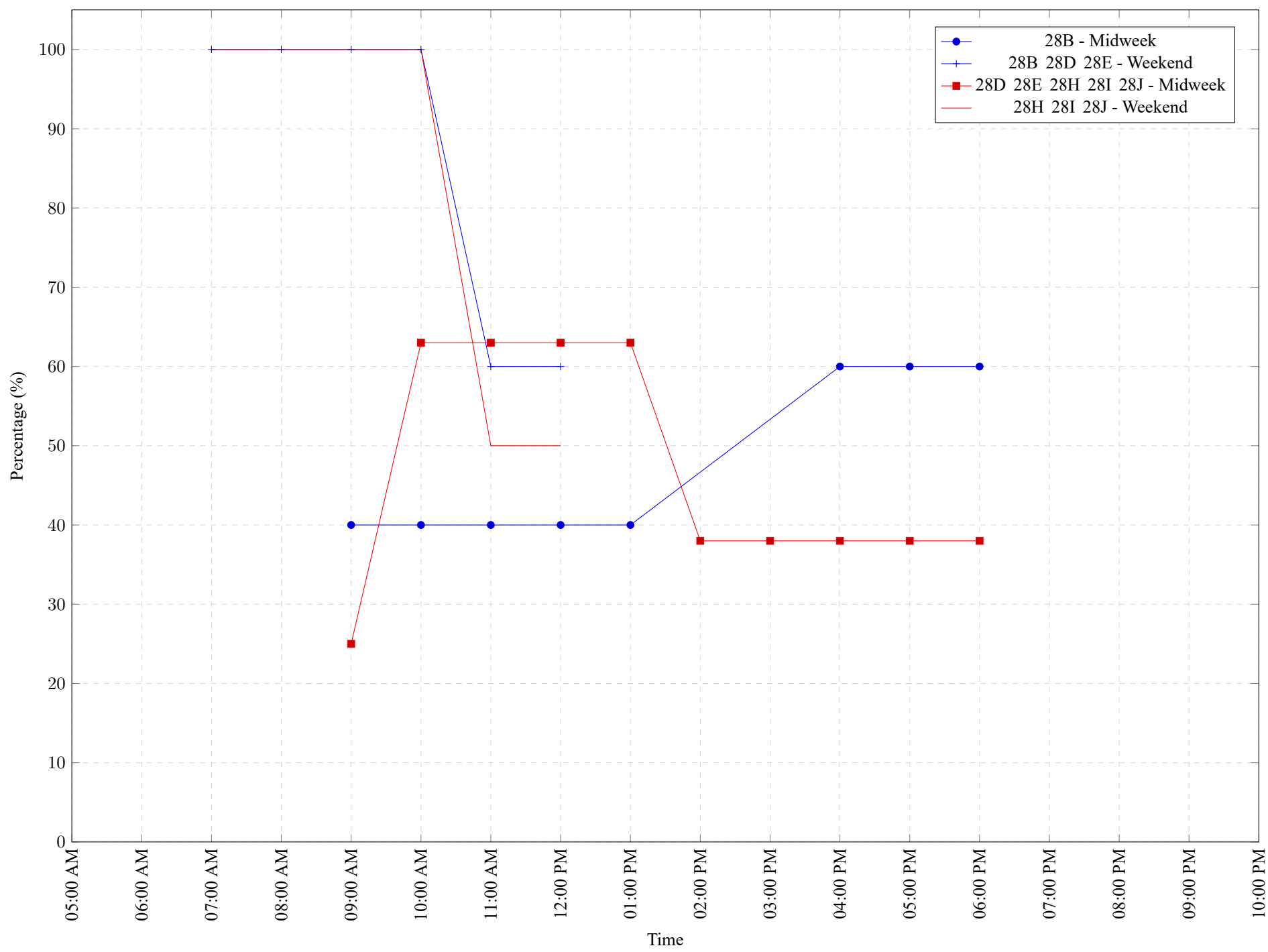


Table 7: Proportion of each day's fishing by hour.

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%	0%	0%	40%	40%	40%	40%	40%	0%	0%	60%	60%	60%	0%	0%	0%	0%
28B 28D 28E	Weekend	0%	100%	100%	100%	100%	60%	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
28D 28E 28H 28I 28J	Midweek	0%	0%	0%	25%	63%	63%	63%	63%	38%	38%	38%	38%	38%	0%	0%	0%	0%
28H 28I 28J	Weekend	0%	100%	100%	100%	100%	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

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