

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 28 June 2023



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*Prepared By:*

South Coast Salmon Stock Assessment Section

Thursday 8<sup>th</sup> February, 2024



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

Date	Day Type	Gibson's Marina	McDon- ald Beach	Planetar- ium	Porteau Cove	Sewell's East		Squamish Boat Launch	Thunderbird Marina	
		PM	PM	PM	AM	AM	PM	PM	AM	PM
29 May 2023	Midweek									
30 May 2023	Midweek				1					
31 May 2023	Midweek									1
01 Jun 2023	Midweek			3						
02 Jun 2023	Midweek									
03 Jun 2023	Weekend						1			
04 Jun 2023	Weekend							3		
05 Jun 2023	Midweek									
06 Jun 2023	Midweek							1		
07 Jun 2023	Midweek			4						
08 Jun 2023	Midweek						1			
09 Jun 2023	Midweek									
10 Jun 2023	Weekend			8						
11 Jun 2023	Weekend	1								
12 Jun 2023	Midweek									
13 Jun 2023	Midweek									
14 Jun 2023	Midweek									
15 Jun 2023	Midweek				1					
16 Jun 2023	Midweek						1			
17 Jun 2023	Weekend								2	
18 Jun 2023	Weekend									
19 Jun 2023	Midweek									
20 Jun 2023	Midweek									
21 Jun 2023	Midweek									
22 Jun 2023	Midweek					1				
23 Jun 2023	Midweek									
24 Jun 2023	Weekend		3							
25 Jun 2023	Weekend									
26 Jun 2023	Midweek									
27 Jun 2023	Midweek									
28 Jun 2023	Midweek									
29 Jun 2023	Midweek		1							
30 Jun 2023	Midweek									
01 Jul 2023	Weekend									
02 Jul 2023	Weekend					2				
03 Jul 2023	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-May-2023	Monday		0							
30-May-2023	Tuesday	choppy	3							
31-May-2023	Wednesday	choppy	4							
01-Jun-2023	Thursday	calm/rippled	3							
02-Jun-2023	Friday		0							
03-Jun-2023	Saturday	choppy	2					13	1244	26
04-Jun-2023	Sunday	choppy	4							
05-Jun-2023	Monday		0					1	1224	3
06-Jun-2023	Tuesday	calm/rippled	1							
07-Jun-2023	Wednesday	calm/rippled	5							
08-Jun-2023	Thursday	choppy	5		2			4	1234	12
09-Jun-2023	Friday		1							
10-Jun-2023	Saturday	calm/rippled	10							
11-Jun-2023	Sunday	choppy	3					15	1244	29
12-Jun-2023	Monday		2							
13-Jun-2023	Tuesday		0							
14-Jun-2023	Wednesday		0							
15-Jun-2023	Thursday	calm/rippled	2					9	1237	25
16-Jun-2023	Friday	choppy	1							
17-Jun-2023	Saturday	choppy	3					24	1237	47
18-Jun-2023	Sunday		4		5					
19-Jun-2023	Monday		0							
20-Jun-2023	Tuesday		1							
21-Jun-2023	Wednesday		1							
22-Jun-2023	Thursday	calm/rippled	1							
23-Jun-2023	Friday		1							
24-Jun-2023	Saturday	choppy	3					26	1248	49
25-Jun-2023	Sunday		0							
26-Jun-2023	Monday		1							
27-Jun-2023	Tuesday		0							
28-Jun-2023	Wednesday		0							
29-Jun-2023	Thursday	choppy	1							
30-Jun-2023	Friday		1					2	1158	4
01-Jul-2023	Saturday		0					13	1231	26
02-Jul-2023	Sunday	large swells	3					29	1202	55
03-Jul-2023	Monday (Canada Day)		0							
	Totals	calm/rippled	27		2			4*		11*
	Totals	choppy	29		5			20*		38*

\* 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	38	8	304		0.172				52		
Midweek	11	22	242		0.074				18		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	June	437	30	23		
2019	June	441	0	0		0
2020	June	1248	26	58		10
2021	June	894	0	17		0
2022	June	399	1			0
2023	June	498	0	573		0
5-Yr Avg	June	684	11	25		3

**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	561	98%	5%	211	86%	14%	30

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	55	17%
iRec Anglers	1102	24%

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

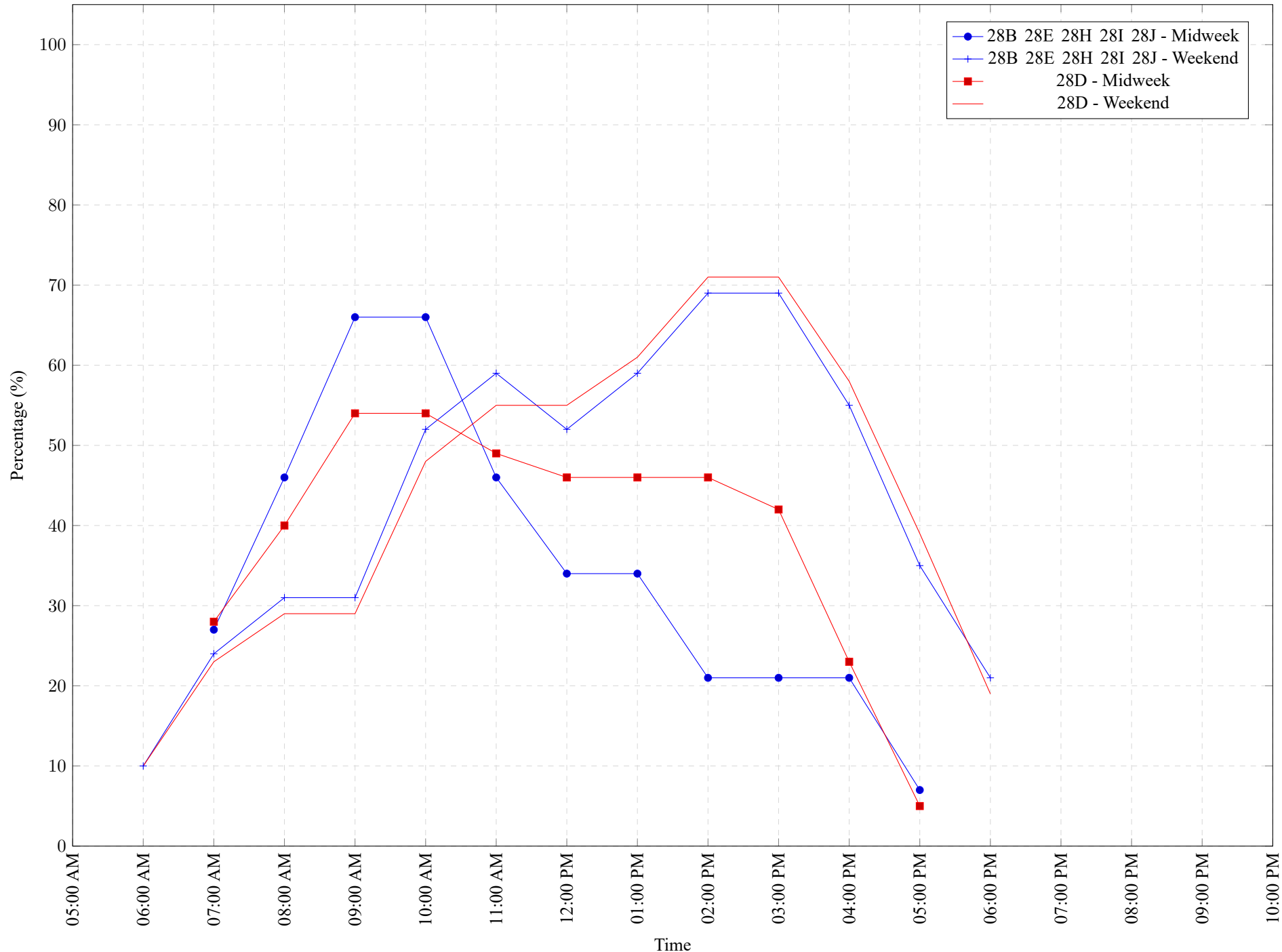


Table 7: Proportion of each day's fishing by hour.

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	28E	28H	28I	28J	Midweek	0%	27%	46%	66%	66%	46%	34%	34%	21%	21%	21%	7%	0%	0%	0%	0%	0%
28B	28E	28H	28I	28J	Weekend	10%	24%	31%	31%	52%	59%	52%	59%	69%	69%	55%	35%	21%	0%	0%	0%	0%
28D					Midweek	0%	28%	40%	54%	54%	49%	46%	46%	46%	42%	23%	5%	0%	0%	0%	0%	0%
28D					Weekend	10%	23%	29%	29%	48%	55%	55%	61%	71%	71%	58%	39%	19%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	Gibson's Marina	McDonald Beach	Planetarium	Porteau Cove	Sewell's East	Squamish Boat Launch	Thunderbird Marina
29 May 2023	Midweek							
30 May 2023	Midweek				choppy			
31 May 2023	Midweek							choppy
01 Jun 2023	Midweek			calm/rippled				
02 Jun 2023	Midweek							
03 Jun 2023	Weekend					choppy		
04 Jun 2023	Weekend						choppy	
05 Jun 2023	Midweek							
06 Jun 2023	Midweek						calm/rippled	
07 Jun 2023	Midweek			calm/rippled				
08 Jun 2023	Midweek					choppy		
09 Jun 2023	Midweek							
10 Jun 2023	Weekend			calm/rippled				
11 Jun 2023	Weekend	choppy						
12 Jun 2023	Midweek							
13 Jun 2023	Midweek							
14 Jun 2023	Midweek							
15 Jun 2023	Midweek				calm/rippled			
16 Jun 2023	Midweek					choppy		
17 Jun 2023	Weekend							choppy
18 Jun 2023	Weekend							
19 Jun 2023	Midweek							
20 Jun 2023	Midweek							
21 Jun 2023	Midweek							
22 Jun 2023	Midweek					calm/rippled		
23 Jun 2023	Midweek							
24 Jun 2023	Weekend		choppy					
25 Jun 2023	Weekend							
26 Jun 2023	Midweek							
27 Jun 2023	Midweek							
28 Jun 2023	Midweek							
29 Jun 2023	Midweek		choppy					
30 Jun 2023	Midweek							
01 Jul 2023	Weekend							
02 Jul 2023	Weekend					large swells		
03 Jul 2023	Weekend							