

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 28 May 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 8th February, 2024



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Canada

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Canada



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	
		AM	PM	PM	PM	AM	PM	AM	PM	PM	AM	PM
28 Apr 2023	Midweek											
29 Apr 2023	Weekend											
30 Apr 2023	Weekend											
01 May 2023	Midweek											
02 May 2023	Midweek	1									1	
03 May 2023	Midweek											
04 May 2023	Midweek											1
05 May 2023	Midweek							1				
06 May 2023	Weekend		1			2						
07 May 2023	Weekend											
08 May 2023	Midweek											
09 May 2023	Midweek											
10 May 2023	Midweek											
11 May 2023	Midweek											
12 May 2023	Midweek											
13 May 2023	Weekend				4							
14 May 2023	Weekend							2				
15 May 2023	Midweek											
16 May 2023	Midweek											
17 May 2023	Midweek											
18 May 2023	Midweek						1					
19 May 2023	Midweek											
20 May 2023	Weekend					1						
21 May 2023	Weekend											1
22 May 2023	Weekend											
23 May 2023	Midweek											
24 May 2023	Midweek											
25 May 2023	Midweek											
26 May 2023	Midweek											
27 May 2023	Weekend			2								
28 May 2023	Weekend									3		
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				

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-Apr-2023	Friday		2							
29-Apr-2023	Saturday		5					26	1253	26
30-Apr-2023	Sunday		2							
01-May-2023	Monday		3							
02-May-2023	Tuesday	choppy	3							
03-May-2023	Wednesday		1							
04-May-2023	Thursday	choppy	5							
05-May-2023	Friday	choppy	2					0	1223	0
06-May-2023	Saturday	calm/rippled	3					9	1254	9
07-May-2023	Sunday		2							
08-May-2023	Monday		0							
09-May-2023	Tuesday		1							
10-May-2023	Wednesday		1							
11-May-2023	Thursday		0							
12-May-2023	Friday		1							
13-May-2023	Saturday	calm/rippled	7					22	1311	24
14-May-2023	Sunday	calm/rippled	2							
15-May-2023	Monday		0							
16-May-2023	Tuesday		0							
17-May-2023	Wednesday		0							
18-May-2023	Thursday	calm/rippled	2					5	1209	17
19-May-2023	Friday		2							
20-May-2023	Saturday	calm/rippled	3					17	1251	17
21-May-2023	Sunday	choppy	3							
22-May-2023	Monday		1							
	(Victoria Day)									
23-May-2023	Tuesday		0					2	1227	6
24-May-2023	Wednesday		1							
25-May-2023	Thursday		2							
26-May-2023	Friday		1							
27-May-2023	Saturday	choppy	4							
28-May-2023	Sunday	choppy	8		1					
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	13
	Totals	choppy	32					2*		8*
	Totals	calm/rippled	33		1			16*		17*

* 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	17	9	153		0.03				5		
Midweek	8	22	176								

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	May	1282	598			16
2019	May	633				
2020	May	908				
2021	May	466	1			0
2022	May	324	3			0
2023	May	452	0	1		0
5-Yr Avg	May	723	201			5

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	1	100%	100%	0	0%		1

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	65	21%
iRec Anglers	842	23%

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

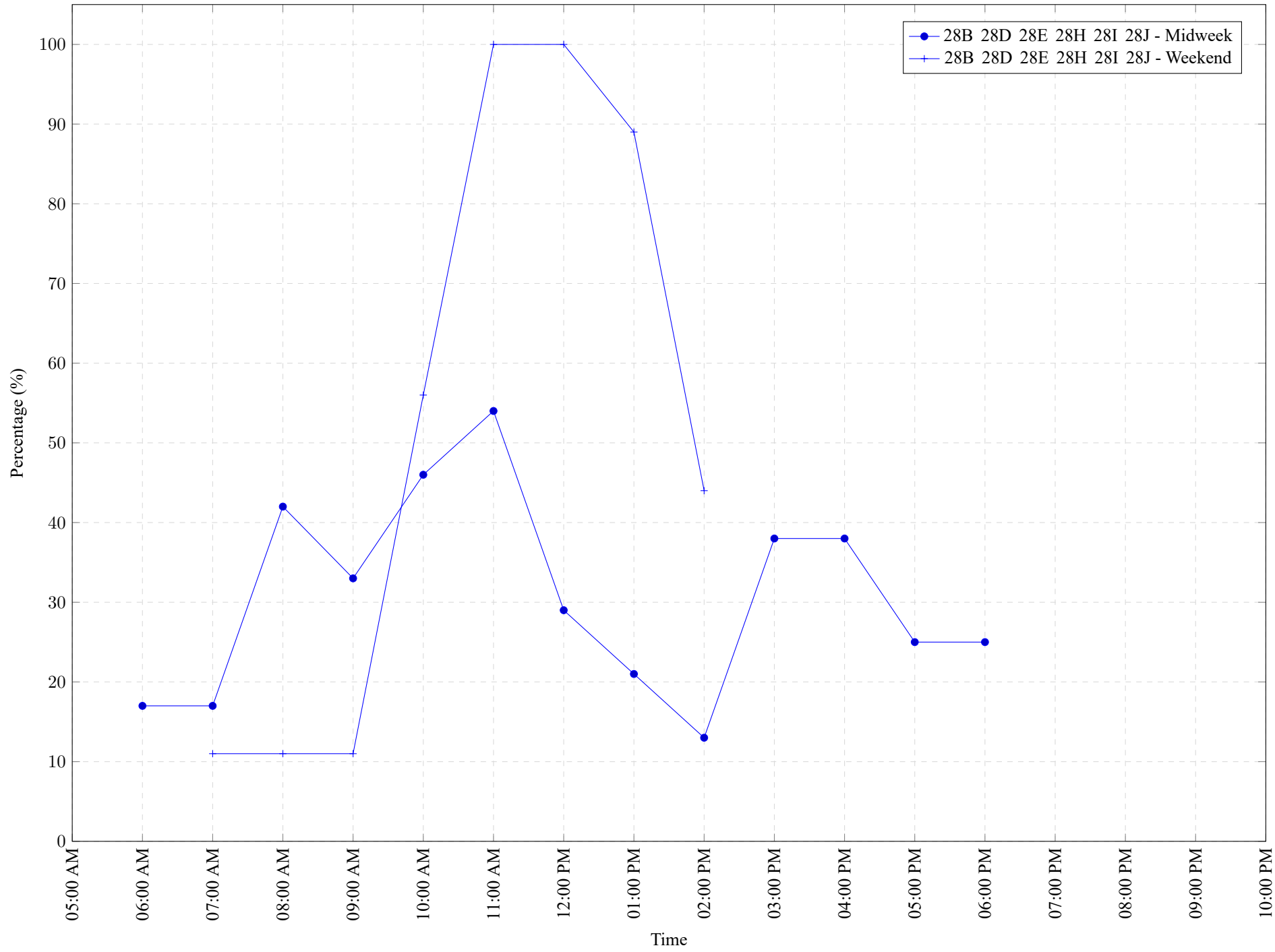


Table 7: Proportion of each day's fishing by hour.

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	17%	17%	42%	33%	46%	54%	29%	21%	13%	38%	38%	25%	25%	0%	0%	0%	0%
28B	28D	28E	28H	28I	28J		Weekend	0%	11%	11%	11%	56%	100%	100%	89%	44%	0%	0%	0%	0%	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
28 Apr 2023	Midweek							
29 Apr 2023	Weekend							
30 Apr 2023	Weekend							
01 May 2023	Midweek							
02 May 2023	Midweek	choppy						calm/rippled
03 May 2023	Midweek							
04 May 2023	Midweek							choppy
05 May 2023	Midweek					choppy		
06 May 2023	Weekend	calm/rippled			calm/rippled			
07 May 2023	Weekend							
08 May 2023	Midweek							
09 May 2023	Midweek							
10 May 2023	Midweek							
11 May 2023	Midweek							
12 May 2023	Midweek							
13 May 2023	Weekend			calm/rippled				
14 May 2023	Weekend					calm/rippled		
15 May 2023	Midweek							
16 May 2023	Midweek							
17 May 2023	Midweek							
18 May 2023	Midweek				calm/rippled			
19 May 2023	Midweek							
20 May 2023	Weekend				calm/rippled			
21 May 2023	Weekend							choppy
22 May 2023	Weekend							
23 May 2023	Midweek							
24 May 2023	Midweek							
25 May 2023	Midweek							
26 May 2023	Midweek							
27 May 2023	Weekend		choppy					
28 May 2023	Weekend						choppy	
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		