

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 28 August 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 10th 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.

		Gibson's Marina		McDonald Beach		Planetarium		Porteau Cove		Sewell's East		Squamish Boat Launch		Thunder-bird Marina
Date	Day Type	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	PM
29 Jul 2023	Weekend				1									
30 Jul 2023	Weekend												1	
31 Jul 2023	Midweek													
01 Aug 2023	Midweek									2				
02 Aug 2023	Midweek													
03 Aug 2023	Midweek					1								
04 Aug 2023	Midweek			1										
05 Aug 2023	Weekend	1		2										
06 Aug 2023	Weekend											1		
07 Aug 2023	Weekend													
08 Aug 2023	Midweek													
09 Aug 2023	Midweek													
10 Aug 2023	Midweek									3				
11 Aug 2023	Midweek													
12 Aug 2023	Weekend							6						
13 Aug 2023	Weekend					8								
14 Aug 2023	Midweek													
15 Aug 2023	Midweek						1							
16 Aug 2023	Midweek													
17 Aug 2023	Midweek		5										1	
18 Aug 2023	Midweek				1									
19 Aug 2023	Weekend						7							
20 Aug 2023	Weekend													3
21 Aug 2023	Midweek													
22 Aug 2023	Midweek													3
23 Aug 2023	Midweek								1					
24 Aug 2023	Midweek						6							
25 Aug 2023	Midweek												4	
26 Aug 2023	Weekend		5					3						
27 Aug 2023	Weekend									5				
28 Aug 2023	Midweek													
29 Aug 2023	Midweek													
30 Aug 2023	Midweek												2	
31 Aug 2023	Midweek													
01 Sep 2023	Midweek			1										
02 Sep 2023	Weekend				14									
03 Sep 2023	Weekend												6	

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-Jul-2023	Saturday	choppy	1							
30-Jul-2023	Sunday	choppy	2							
31-Jul-2023	Monday		1							
01-Aug-2023	Tuesday	calm/rippled	2							
02-Aug-2023	Wednesday		2					9	1207	43
03-Aug-2023	Thursday	choppy	1	2	1					
04-Aug-2023	Friday	calm/rippled	2							
05-Aug-2023	Saturday	calm/rippled	4							
06-Aug-2023	Sunday	calm/rippled	3	1				41	1219	82
07-Aug-2023	Monday (B.C. Day)		1					54	1229	108
08-Aug-2023	Tuesday		1	1						
09-Aug-2023	Wednesday		0					7	1207	30
10-Aug-2023	Thursday	calm/rippled	4	1	1					
11-Aug-2023	Friday		2							
12-Aug-2023	Saturday	calm/rippled	9	2						
13-Aug-2023	Sunday	choppy	8	6	1			41	1239	82
14-Aug-2023	Monday		0							
15-Aug-2023	Tuesday	frequent whitecaps	4	1				23	1233	108
16-Aug-2023	Wednesday		6	1	2					
17-Aug-2023	Thursday	choppy	6		1					
18-Aug-2023	Friday	choppy	4	2	2					
19-Aug-2023	Saturday	choppy	7	2				39	1331	148
20-Aug-2023	Sunday	choppy	7	4	2					
21-Aug-2023	Monday		3	2						
22-Aug-2023	Tuesday	calm/rippled	4					31	1235	146
23-Aug-2023	Wednesday	calm/rippled	3	1	2					
24-Aug-2023	Thursday	choppy	6							
25-Aug-2023	Friday	calm/rippled	7							
26-Aug-2023	Saturday	choppy	11					112	1305	419
27-Aug-2023	Sunday	calm/rippled	6	2						
28-Aug-2023	Monday		0							
29-Aug-2023	Tuesday		0							
30-Aug-2023	Wednesday	choppy	2					29	1314	137
31-Aug-2023	Thursday		0							
01-Sep-2023	Friday	large swells	4	6				94	1213	443
02-Sep-2023	Saturday	frequent whitecaps	17	11	1					
03-Sep-2023	Sunday	choppy	7							
	Totals	choppy	59	11	9			20*		93*
	Totals	choppy	56	17	3			57*		168*

* 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	93	22	2046	0.186	0.153			381	313		
Weekend	168	9	1512	0.304	0.054			460	82		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	August	844	58	225	35	
2019	August	1167	727	0		0
2020	August	1340	171	194		0
2021	August	1754	208	357	0	0
2022	August	1500	141	344		0
2023	August	3997	1791	636		0
5-Yr Avg	August	1321	261	224	18	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	431	74%	7%	435	95%	7%	29
Chinook	465	26%	1%	219	23%	3%	6

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	111	11%
iRec Anglers	5736	18%

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

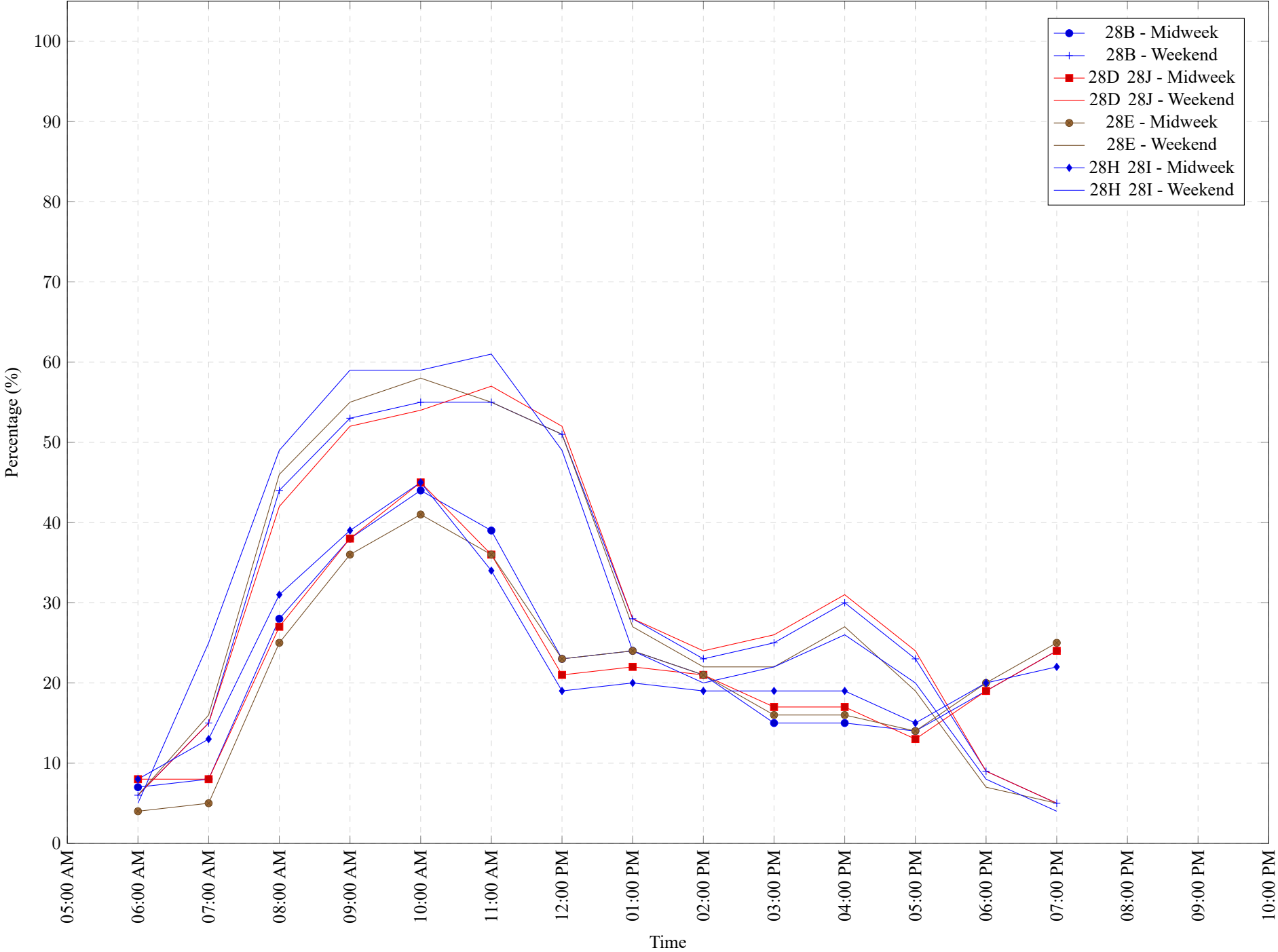


Table 7: Proportion of each day's fishing by hour.

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	Midweek	7%	8%	28%	38%	44%	39%	23%	24%	21%	15%	15%	14%	19%	24%	0%	0%	0%
28B	Weekend	6%	15%	44%	53%	55%	55%	51%	28%	23%	25%	30%	23%	9%	5%	0%	0%	0%
28D 28J	Midweek	8%	8%	27%	38%	45%	36%	21%	22%	21%	17%	17%	13%	19%	24%	0%	0%	0%
28D 28J	Weekend	6%	15%	42%	52%	54%	57%	52%	28%	24%	26%	31%	24%	9%	5%	0%	0%	0%
28E	Midweek	4%	5%	25%	36%	41%	36%	23%	24%	21%	16%	16%	14%	20%	25%	0%	0%	0%
28E	Weekend	6%	16%	46%	55%	58%	55%	51%	27%	22%	22%	27%	19%	7%	5%	0%	0%	0%
28H 28I	Midweek	8%	13%	31%	39%	45%	34%	19%	20%	19%	19%	19%	15%	20%	22%	0%	0%	0%
28H 28I	Weekend	5%	25%	49%	59%	59%	61%	49%	24%	20%	22%	26%	20%	8%	4%	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 Jul 2023	Weekend		choppy					
30 Jul 2023	Weekend						choppy	
31 Jul 2023	Midweek							
01 Aug 2023	Midweek					calm/rippled		
02 Aug 2023	Midweek							
03 Aug 2023	Midweek			choppy				
04 Aug 2023	Midweek		calm/rippled					
05 Aug 2023	Weekend	choppy	calm/rippled					
06 Aug 2023	Weekend						calm/rippled	
07 Aug 2023	Weekend							
08 Aug 2023	Midweek							
09 Aug 2023	Midweek							
10 Aug 2023	Midweek					calm/rippled		
11 Aug 2023	Midweek							
12 Aug 2023	Weekend				calm/rippled			
13 Aug 2023	Weekend			choppy				
14 Aug 2023	Midweek							
15 Aug 2023	Midweek			frequent whitecaps				
16 Aug 2023	Midweek							
17 Aug 2023	Midweek	choppy					calm/rippled	
18 Aug 2023	Midweek		choppy					
19 Aug 2023	Weekend			choppy				
20 Aug 2023	Weekend							choppy
21 Aug 2023	Midweek							
22 Aug 2023	Midweek							calm/rippled
23 Aug 2023	Midweek				calm/rippled			
24 Aug 2023	Midweek			choppy				
25 Aug 2023	Midweek						calm/rippled	
26 Aug 2023	Weekend	choppy			calm/rippled			
27 Aug 2023	Weekend					calm/rippled		
28 Aug 2023	Midweek							
29 Aug 2023	Midweek							
30 Aug 2023	Midweek						choppy	
31 Aug 2023	Midweek							
01 Sep 2023	Midweek		large swells					
02 Sep 2023	Weekend		frequent whitecaps					
03 Sep 2023	Weekend						choppy	