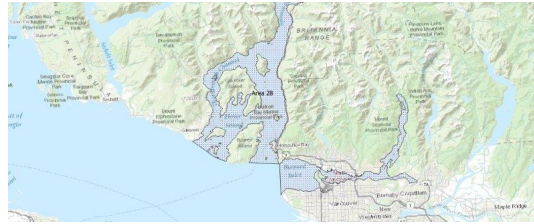


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 28 September 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 10th February, 2024



Fisheries and Oceans
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		Thunderbird Marina	
Date	Day Type	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
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		
04 Sep 2023	Weekend														
05 Sep 2023	Midweek						4								
06 Sep 2023	Midweek												5		
07 Sep 2023	Midweek					2									
08 Sep 2023	Midweek			2											
09 Sep 2023	Weekend							1							
10 Sep 2023	Weekend					4									
11 Sep 2023	Midweek														
12 Sep 2023	Midweek				1										
13 Sep 2023	Midweek														1
14 Sep 2023	Midweek									2					
15 Sep 2023	Midweek														
16 Sep 2023	Weekend			1											
17 Sep 2023	Weekend									3					
18 Sep 2023	Midweek														
19 Sep 2023	Midweek													3	
20 Sep 2023	Midweek											1			
21 Sep 2023	Midweek									1					
22 Sep 2023	Midweek	2							3						
23 Sep 2023	Weekend	1					2								
24 Sep 2023	Weekend										4				
25 Sep 2023	Midweek														
26 Sep 2023	Midweek														
27 Sep 2023	Midweek														
28 Sep 2023	Midweek														
29 Sep 2023	Midweek										3				
30 Sep 2023	Weekend		5												1
01 Oct 2023	Weekend							5							
02 Oct 2023	Midweek														
03 Oct 2023	Midweek										2				

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-Aug-2023	Tuesday		0							
30-Aug-2023	Wednesday	choppy	2					29	1314	51
31-Aug-2023	Thursday		0							
01-Sep-2023	Friday	large swells	4	6				94	1213	148
02-Sep-2023	Saturday	frequent whitecaps	17	11	1					
03-Sep-2023	Sunday	choppy	7							
04-Sep-2023	Monday (Labour Day)		3		1			94	1158	136
05-Sep-2023	Tuesday	choppy	5	4	1					
06-Sep-2023	Wednesday	calm/rippled	7	1						
07-Sep-2023	Thursday	calm/rippled	3		1			30	1118	57
08-Sep-2023	Friday	calm/rippled	6	7	1					
09-Sep-2023	Saturday	calm/rippled	3					66	1224	96
10-Sep-2023	Sunday	calm/rippled	6	1						
11-Sep-2023	Monday		0							
12-Sep-2023	Tuesday	choppy	1	2						
13-Sep-2023	Wednesday	calm/rippled	2							
14-Sep-2023	Thursday	calm/rippled	4	3	1					
15-Sep-2023	Friday		0					33	1213	53
16-Sep-2023	Saturday	calm/rippled	3					50	1153	71
17-Sep-2023	Sunday	choppy	4	3	2					
18-Sep-2023	Monday		0							
19-Sep-2023	Tuesday	calm/rippled	3	1	2					
20-Sep-2023	Wednesday	calm/rippled	1							
21-Sep-2023	Thursday	choppy	4							
22-Sep-2023	Friday	calm/rippled	6							
23-Sep-2023	Saturday	calm/rippled	6	8						
24-Sep-2023	Sunday	calm/rippled	7	9	3			38	1311	62
25-Sep-2023	Monday		0							
26-Sep-2023	Tuesday		0							
27-Sep-2023	Wednesday		3	1						
28-Sep-2023	Thursday		1					7	1210	12
29-Sep-2023	Friday	choppy	7	2						
30-Sep-2023	Saturday	choppy	9	6						
01-Oct-2023	Sunday	calm/rippled	7	4				47	1221	69
02-Oct-2023	Monday		3	2						
03-Oct-2023	Tuesday	choppy	2	2						
	Totals	choppy	57	27	6			41*		68*
	Totals	choppy	65	38	7			62*		91*

* 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	68	20	1360	0.474	0.105			645	143		
Weekend	91	10	910	0.585	0.108			532	98		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	September	2131	391	358		
2019	September	1132	198	190		0
2020	September	2213	326	399		0
2021	September	1545	691	572		0
2022	September	2922	1499	706		0
2023	September	2236	1979	386		0
5-Yr Avg	September	1989	621	445		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	386	100%	1%	283	72%	2%	5
Chinook	104	6%	12%	261	36%	5%	12

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	120	16%
iRec Anglers	3097	20%

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

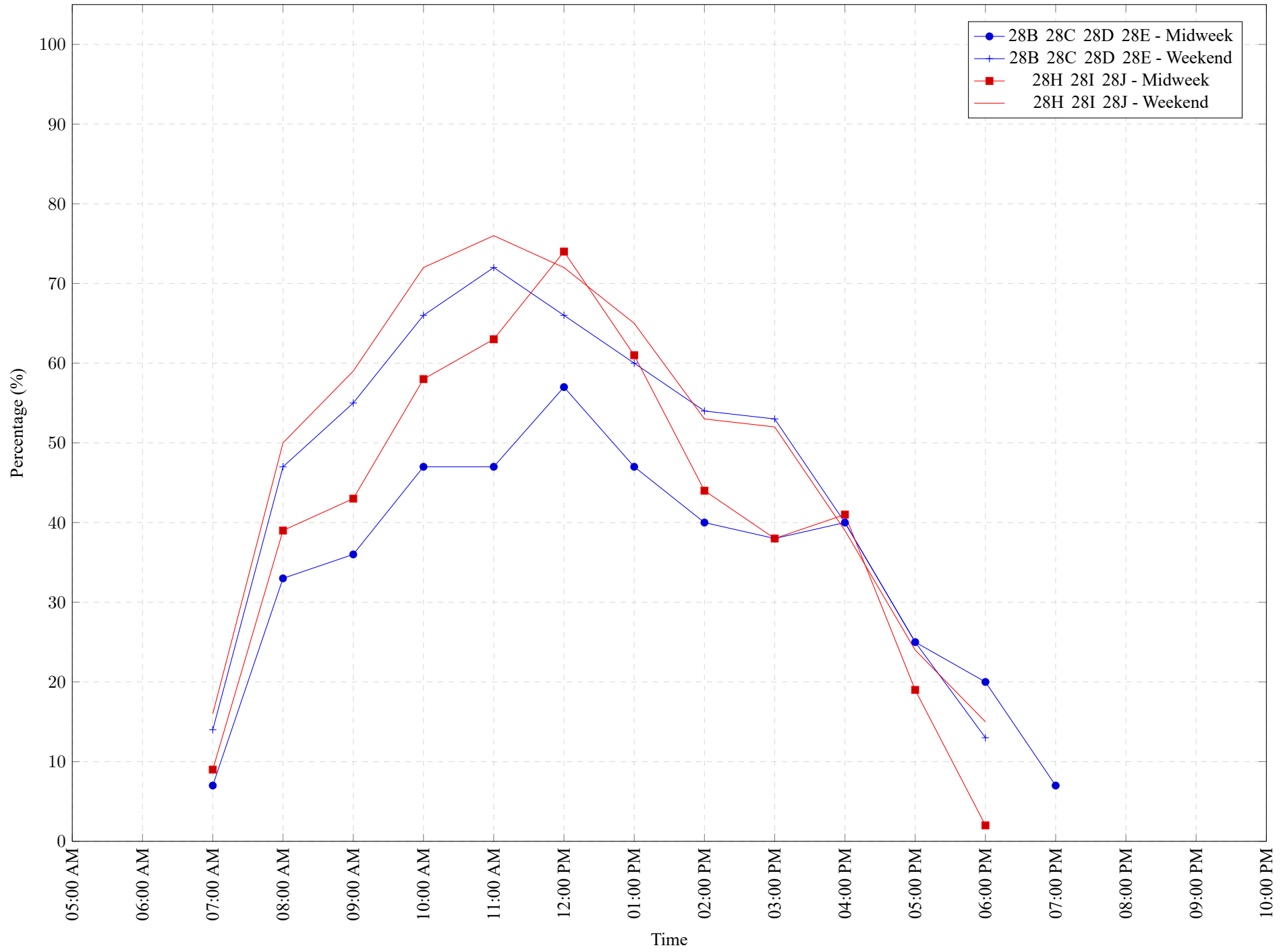


Table 7: Proportion of each day's fishing by hour.

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	28C	28D	28E	Midweek	0%	7%	33%	36%	47%	47%	57%	47%	40%	38%	40%	25%	20%	7%	0%	0%	0%
28B	28C	28D	28E	Weekend	0%	14%	47%	55%	66%	72%	66%	60%	54%	53%	40%	25%	13%	0%	0%	0%	0%
28H	28I	28J		Midweek	0%	9%	39%	43%	58%	63%	74%	61%	44%	38%	41%	19%	2%	0%	0%	0%	0%
28H	28I	28J		Weekend	0%	16%	50%	59%	72%	76%	72%	65%	53%	52%	39%	24%	15%	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 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	
04 Sep 2023	Weekend							
05 Sep 2023	Midweek			choppy				
06 Sep 2023	Midweek						calm/rippled	
07 Sep 2023	Midweek			calm/rippled				
08 Sep 2023	Midweek		calm/rippled					
09 Sep 2023	Weekend				calm/rippled			
10 Sep 2023	Weekend			calm/rippled				
11 Sep 2023	Midweek							
12 Sep 2023	Midweek		choppy					
13 Sep 2023	Midweek							calm/rippled
14 Sep 2023	Midweek					calm/rippled		
15 Sep 2023	Midweek							
16 Sep 2023	Weekend		calm/rippled					
17 Sep 2023	Weekend					choppy		
18 Sep 2023	Midweek							
19 Sep 2023	Midweek							calm/rippled
20 Sep 2023	Midweek						calm/rippled	
21 Sep 2023	Midweek					choppy		
22 Sep 2023	Midweek	calm/rippled			calm/rippled			
23 Sep 2023	Weekend	choppy		calm/rippled				
24 Sep 2023	Weekend					calm/rippled		
25 Sep 2023	Midweek							
26 Sep 2023	Midweek							
27 Sep 2023	Midweek							
28 Sep 2023	Midweek							
29 Sep 2023	Midweek					choppy		
30 Sep 2023	Weekend	choppy						choppy
01 Oct 2023	Weekend				calm/rippled			
02 Oct 2023	Midweek							
03 Oct 2023	Midweek					choppy		