

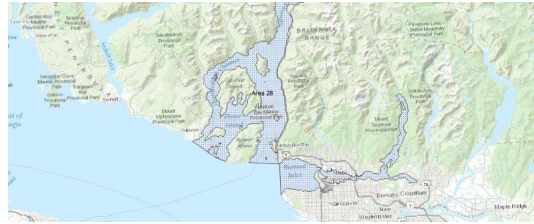
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 28 September 2022



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Thursday 19<sup>th</sup> January, 2023



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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	Planetarium		Porteau Cove		Sewell's West		Squamish Boat Launch	Thunderbird Marina	
		PM	PM	AM	PM	AM	PM	AM	PM	PM	AM	PM
29 Aug 2022	Midweek											
30 Aug 2022	Midweek											
31 Aug 2022	Midweek				4							
01 Sep 2022	Midweek			6								
02 Sep 2022	Midweek	2										
03 Sep 2022	Weekend							4				
04 Sep 2022	Weekend											
05 Sep 2022	Weekend	4										
06 Sep 2022	Midweek								4			
07 Sep 2022	Midweek											
08 Sep 2022	Midweek							2				
09 Sep 2022	Midweek				1							
10 Sep 2022	Weekend		3									
11 Sep 2022	Weekend				10							
12 Sep 2022	Midweek											
13 Sep 2022	Midweek						2					
14 Sep 2022	Midweek		4									
15 Sep 2022	Midweek										4	
16 Sep 2022	Midweek											
17 Sep 2022	Weekend	3		4								
18 Sep 2022	Weekend										4	
19 Sep 2022	Midweek											
20 Sep 2022	Midweek											
21 Sep 2022	Midweek											1
22 Sep 2022	Midweek											
23 Sep 2022	Midweek										2	
24 Sep 2022	Weekend									1		
25 Sep 2022	Weekend							6				
26 Sep 2022	Midweek											
27 Sep 2022	Midweek								2			
28 Sep 2022	Midweek											
29 Sep 2022	Midweek			3								
30 Sep 2022	Midweek					4						
01 Oct 2022	Weekend			7								
02 Oct 2022	Weekend											3
03 Oct 2022	Midweek											

*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-2022	Monday		1	1	1			32	1220	58
30-Aug-2022	Tuesday		0							
31-Aug-2022	Wednesday	calm/rippled	4		1					
01-Sep-2022	Thursday	choppy	6	3	3			26	1303	85
02-Sep-2022	Friday	calm/rippled	2							
03-Sep-2022	Saturday	frequent whitecaps	4	1	1			33	1337	46
04-Sep-2022	Sunday		0							
05-Sep-2022	Monday (Labour Day)	choppy	4							
06-Sep-2022	Tuesday	calm/rippled	4							
07-Sep-2022	Wednesday		0					1	1255	2
08-Sep-2022	Thursday	choppy	2							
09-Sep-2022	Friday	choppy	1	3						
10-Sep-2022	Saturday	choppy	3	3	1			44	1337	62
11-Sep-2022	Sunday	calm/rippled	10	5						
12-Sep-2022	Monday		0					11	1328	37
13-Sep-2022	Tuesday	choppy	3	3	2					
14-Sep-2022	Wednesday	calm/rippled	4							
15-Sep-2022	Thursday	choppy	4	1	1					
16-Sep-2022	Friday		0							
17-Sep-2022	Saturday	choppy	8	5	2					
18-Sep-2022	Sunday	calm/rippled	5	4				83	1314	118
19-Sep-2022	Monday		0							
20-Sep-2022	Tuesday		0							
21-Sep-2022	Wednesday	choppy	3	2	1			41	1323	141
22-Sep-2022	Thursday		1	1						
23-Sep-2022	Friday	choppy	3	2	1					
24-Sep-2022	Saturday	calm/rippled	2	1						
25-Sep-2022	Sunday	calm/rippled	6	1				65	1328	92
26-Sep-2022	Monday		1	1						
27-Sep-2022	Tuesday	calm/rippled	2							
28-Sep-2022	Wednesday		1							
29-Sep-2022	Thursday	calm/rippled	3							
30-Sep-2022	Friday	calm/rippled	4							
01-Oct-2022	Saturday	calm/rippled	9	3						
02-Oct-2022	Sunday	calm/rippled	3							
03-Oct-2022	Monday		0							
	Totals	choppy	44	16	8			20*		66*
	Totals	choppy	42	20	4			56*		80*

\* 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	80	9	720	0.476	0.095			343	68		
Midweek	66	21	1386	0.364	0.182			505	252		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	September	2963	1262	657		
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
5-Yr Avg	September	1997	574	435		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	459	65%	1%	326	92%	2%	5
Chinook	17	1%	18%	167	22%	2%	3

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	86	20%
iRec Anglers	3269	27%

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

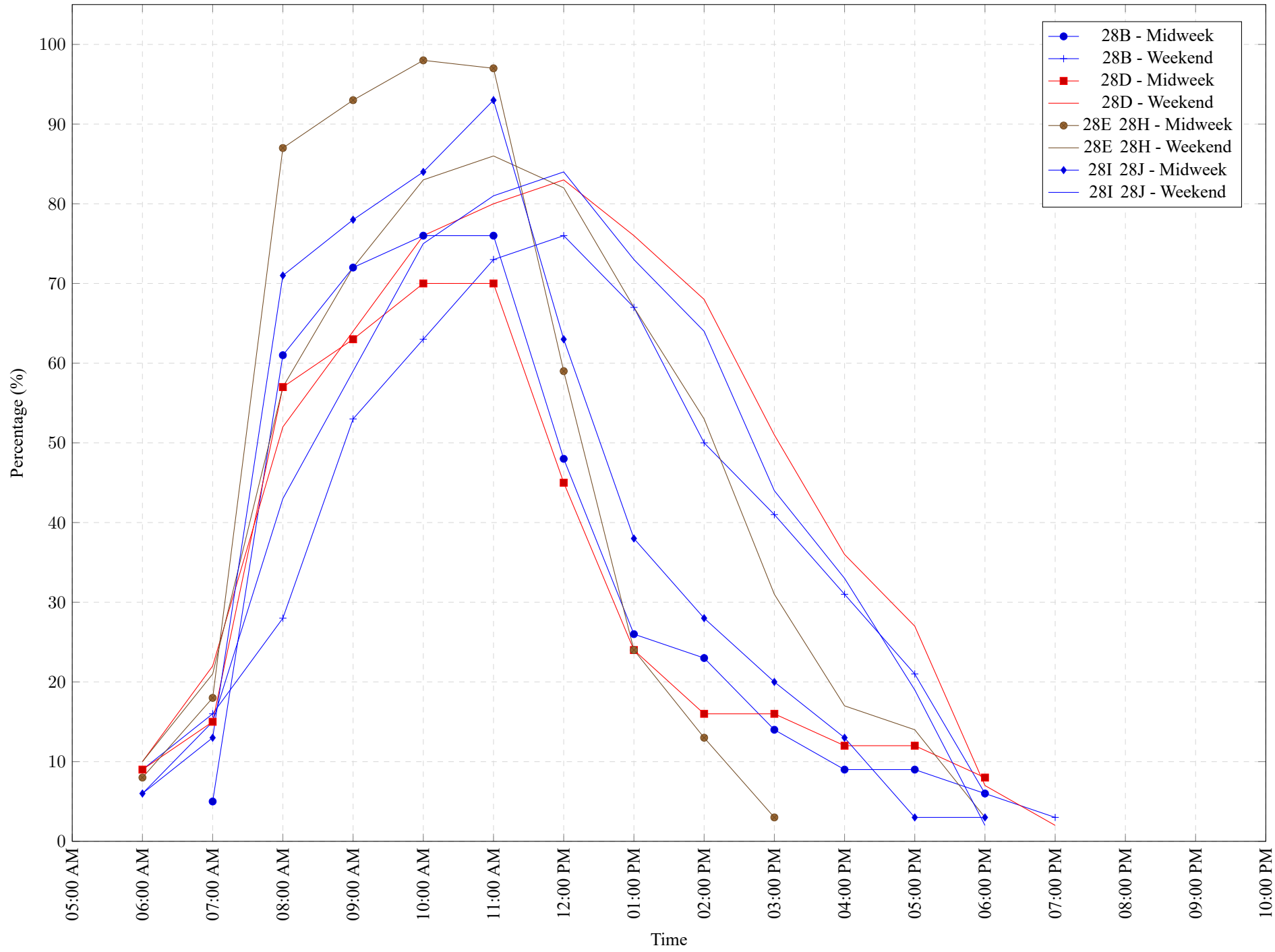


Table 7: Proportion of each day's fishing by hour.

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	0%	5%	61%	72%	76%	76%	48%	26%	23%	14%	9%	9%	6%	0%	0%	0%	0%
28B	Weekend	9%	16%	28%	53%	63%	73%	76%	67%	50%	41%	31%	21%	6%	3%	0%	0%	0%
28D	Midweek	9%	15%	57%	63%	70%	70%	45%	24%	16%	16%	12%	12%	8%	0%	0%	0%	0%
28D	Weekend	10%	22%	52%	64%	76%	80%	83%	76%	68%	51%	36%	27%	7%	2%	0%	0%	0%
28E 28H	Midweek	8%	18%	87%	93%	98%	97%	59%	24%	13%	3%	0%	0%	0%	0%	0%	0%	0%
28E 28H	Weekend	10%	21%	57%	72%	83%	86%	82%	67%	53%	31%	17%	14%	3%	0%	0%	0%	0%
28I 28J	Midweek	6%	13%	71%	78%	84%	93%	63%	38%	28%	20%	13%	3%	3%	0%	0%	0%	0%
28I 28J	Weekend	6%	15%	43%	59%	75%	81%	84%	73%	64%	44%	33%	19%	2%	0%	0%	0%	0%

*Table 8: Daily Fishing Conditions.*

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