

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 28 August 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	Egmont	Gibson's Marina		McDonald Beach		Planetarium		Porteau Cove	Sewell's East	Sewell's West		Squamish Boat Launch		Thunderbird Marina	
		AM	AM	PM	AM	PM	AM	PM	PM	PM	AM	PM	AM	PM	AM	PM
29 Jul 2022	Midweek						1									
30 Jul 2022	Weekend						1									3
31 Jul 2022	Weekend											1				
01 Aug 2022	Weekend															
02 Aug 2022	Midweek	1						1								
03 Aug 2022	Midweek			1										2		
04 Aug 2022	Midweek										2					
05 Aug 2022	Midweek		1												1	
06 Aug 2022	Weekend							5						6		
07 Aug 2022	Weekend									1						1
08 Aug 2022	Midweek															
09 Aug 2022	Midweek														3	3
10 Aug 2022	Midweek															
11 Aug 2022	Midweek										2					
12 Aug 2022	Midweek															
13 Aug 2022	Weekend					4										
14 Aug 2022	Weekend							4						5		
15 Aug 2022	Midweek															
16 Aug 2022	Midweek															2
17 Aug 2022	Midweek					1										
18 Aug 2022	Midweek														3	
19 Aug 2022	Midweek															
20 Aug 2022	Weekend								3							
21 Aug 2022	Weekend															4
22 Aug 2022	Midweek		1					1								
23 Aug 2022	Midweek															
24 Aug 2022	Midweek												1			
25 Aug 2022	Midweek														4	
26 Aug 2022	Midweek								1							
27 Aug 2022	Weekend								1							
28 Aug 2022	Weekend															
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				

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-2022	Friday	calm/rippled	1							
30-Jul-2022	Saturday	calm/rippled	4					24	1234	34
31-Jul-2022	Sunday	calm/rippled	3							
01-Aug-2022	Monday (B.C. Day)		0					56	1217	84
02-Aug-2022	Tuesday	calm/rippled	2		1			9	1217	15
03-Aug-2022	Wednesday	choppy	3							
04-Aug-2022	Thursday	choppy	2							
05-Aug-2022	Friday	choppy	2							
06-Aug-2022	Saturday	calm/rippled	11		2					
07-Aug-2022	Sunday	choppy	2					30	1237	43
08-Aug-2022	Monday		0							
09-Aug-2022	Tuesday	calm/rippled	6		1					
10-Aug-2022	Wednesday		0							
11-Aug-2022	Thursday	calm/rippled	2		1					
12-Aug-2022	Friday		0					22	1220	38
13-Aug-2022	Saturday	choppy	7		3			34	1220	49
14-Aug-2022	Sunday	calm/rippled	9	3						
15-Aug-2022	Monday		0							
16-Aug-2022	Tuesday	calm/rippled	2		1					
17-Aug-2022	Wednesday	choppy	1							
18-Aug-2022	Thursday	calm/rippled	3					30	1219	51
19-Aug-2022	Friday		0							
20-Aug-2022	Saturday	choppy	4		1					
21-Aug-2022	Sunday	choppy	5	1				41	1212	61
22-Aug-2022	Monday	choppy	3	1						
23-Aug-2022	Tuesday		0					29	1216	48
24-Aug-2022	Wednesday	calm/rippled	1							
25-Aug-2022	Thursday	calm/rippled	4							
26-Aug-2022	Friday	calm/rippled	2	2						
27-Aug-2022	Saturday	choppy	1					12	1215	17
28-Aug-2022	Sunday		0							
29-Aug-2022	Monday		1	1	1			32	1220	55
30-Aug-2022	Tuesday		0							
31-Aug-2022	Wednesday	calm/rippled	4		1					
01-Sep-2022	Thursday	choppy	6	3	3			26	1303	59
02-Sep-2022	Friday	calm/rippled	2							
03-Sep-2022	Saturday	frequent whitecaps	4	1	1			33	1337	52
	Totals	calm/rippled	38	4	6			24*		41*
	Totals	choppy	39	4	6			35*		51*

\* 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	41	22	902	0.105	0.158			95	143		
Weekend	51	9	459	0.103	0.154			47	71		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	August	1234	389	927		
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
5-Yr Avg	August	1268	311	341	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	344	100%	6%	443	97%	4%	19
Chinook	8	6%	25%	85	34%	2%	2

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	77	7%
iRec Anglers	3794	26%

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

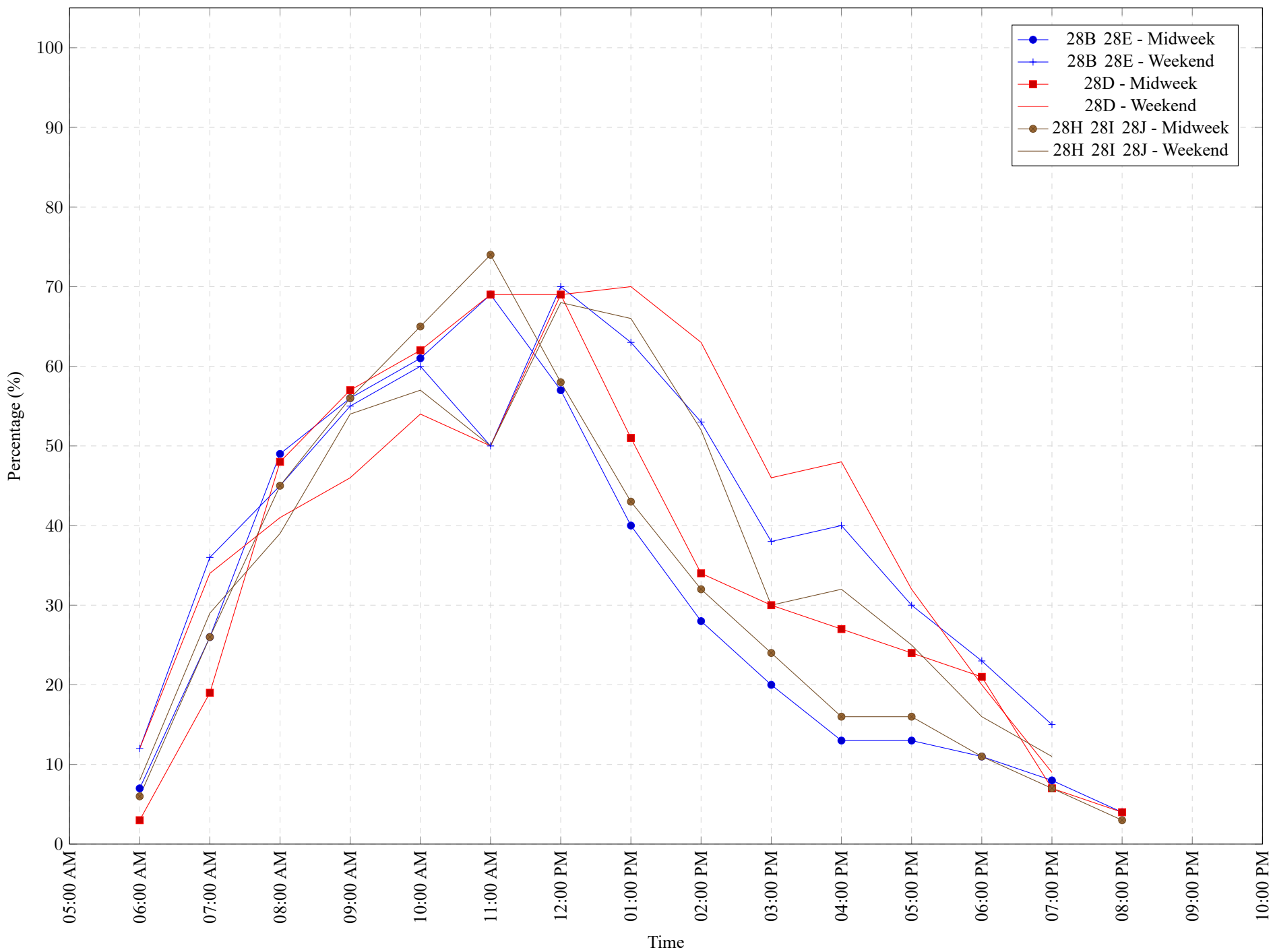


Table 7: Proportion of each day's fishing by hour.

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	Midweek	7%	26%	49%	56%	61%	69%	57%	40%	28%	20%	13%	13%	11%	8%	4%	0%	0%
28B 28E	Weekend	12%	36%	45%	55%	60%	50%	70%	63%	53%	38%	40%	30%	23%	15%	0%	0%	0%
28D	Midweek	3%	19%	48%	57%	62%	69%	69%	51%	34%	30%	27%	24%	21%	7%	4%	0%	0%
28D	Weekend	12%	34%	41%	46%	54%	50%	69%	70%	63%	46%	48%	32%	20%	9%	0%	0%	0%
28H 28I 28J	Midweek	6%	26%	45%	56%	65%	74%	58%	43%	32%	24%	16%	16%	11%	7%	3%	0%	0%
28H 28I 28J	Weekend	8%	29%	39%	54%	57%	50%	68%	66%	52%	30%	32%	25%	16%	11%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

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