

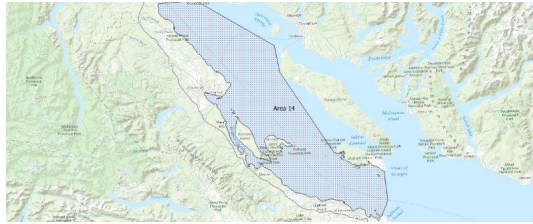
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 14 September 2022



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

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



Fisheries and Oceans  
Canada

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Canada



Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

		Big Rock Boat Rental	Breachin		Bucaneer		Comox Mun		Cooper's Green	Discovery Marina South	French Ck		Kitty Coleman		Pacific Play		Schooner		Union Bay		Westview
Date	Day Type	PM	AM	PM	PM	AM	PM	PM	PM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	PM
29 Aug 2022	Midweek						20														
30 Aug 2022	Midweek																				
31 Aug 2022	Midweek			1			8												1		
01 Sep 2022	Midweek										31										2
02 Sep 2022	Midweek		1										21	9			8				
03 Sep 2022	Weekend						3		2								1	3			
04 Sep 2022	Weekend																				
05 Sep 2022	Weekend																			15	
06 Sep 2022	Midweek						14														
07 Sep 2022	Midweek	1																			
08 Sep 2022	Midweek										2										
09 Sep 2022	Midweek											7							5		
10 Sep 2022	Weekend				2									14							
11 Sep 2022	Weekend															4					
12 Sep 2022	Midweek								1												
13 Sep 2022	Midweek																				
14 Sep 2022	Midweek						12														
15 Sep 2022	Midweek										18										
16 Sep 2022	Midweek																				
17 Sep 2022	Weekend												2	3			1				3
18 Sep 2022	Weekend														23		2				
19 Sep 2022	Midweek														5						
20 Sep 2022	Midweek												1								
21 Sep 2022	Midweek																		6		
22 Sep 2022	Midweek														1						
23 Sep 2022	Midweek																2				
24 Sep 2022	Weekend												4								
25 Sep 2022	Weekend					5					39				2				5		
26 Sep 2022	Midweek										50										
27 Sep 2022	Midweek						5								2						
28 Sep 2022	Midweek																				
29 Sep 2022	Midweek																				
30 Sep 2022	Midweek																		1		
01 Oct 2022	Weekend												11								
02 Oct 2022	Weekend										25										
03 Oct 2022	Midweek	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
29-Aug-2022	Monday	calm/rippled	21	19				61	1136	161
30-Aug-2022	Tuesday		2	6						
31-Aug-2022	Wednesday	calm/rippled	11	20	1					
01-Sep-2022	Thursday	choppy	34	36	6			68	1202	171
02-Sep-2022	Friday	calm/rippled	44	51	5					
03-Sep-2022	Saturday	choppy	10	8				10	1135	21
04-Sep-2022	Sunday		0							
05-Sep-2022	Monday (Labour Day)	calm/rippled	17	12	2					
06-Sep-2022	Tuesday	calm/rippled	15	4	1					
07-Sep-2022	Wednesday	frequent whitecaps	2	3				2	1207	5
08-Sep-2022	Thursday	frequent whitecaps	5	7	1					
09-Sep-2022	Friday	calm/rippled	15	8	1					
10-Sep-2022	Saturday	calm/rippled	17	14	9			125	1117	272
11-Sep-2022	Sunday	calm/rippled	6	1	1					
12-Sep-2022	Monday		1	5	1					
13-Sep-2022	Tuesday	choppy	3	11	1					
14-Sep-2022	Wednesday	calm/rippled	14	10	3					
15-Sep-2022	Thursday	frequent whitecaps	21	24	11			34	1126	91
16-Sep-2022	Friday		1	2						
17-Sep-2022	Saturday	choppy	11	13	2					
18-Sep-2022	Sunday	calm/rippled	26	5	7	1		22	1147	46
19-Sep-2022	Monday	calm/rippled	6	12	6					
20-Sep-2022	Tuesday	calm/rippled	2	2	1					
21-Sep-2022	Wednesday	calm/rippled	8	13	5			55	1142	144
22-Sep-2022	Thursday	frequent whitecaps	1							
23-Sep-2022	Friday	large swells	2							
24-Sep-2022	Saturday	calm/rippled	7	9	13			133	0945	402
25-Sep-2022	Sunday	calm/rippled	53	35	47					
26-Sep-2022	Monday	calm/rippled	52	20	47					
27-Sep-2022	Tuesday	calm/rippled	8	12	12					
28-Sep-2022	Wednesday		0							
29-Sep-2022	Thursday		1	5	3					
30-Sep-2022	Friday	calm/rippled	2	4	4					
01-Oct-2022	Saturday	calm/rippled	12	13						
02-Oct-2022	Sunday	choppy	27	8	6			104	1138	225
03-Oct-2022	Monday	calm/rippled	1							
	Totals	choppy	237	229	108			40*		103*
	Totals	calm/rippled	147	97	81	1		73*		185*

\* 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	185	9	1665	0.66	0.551	0.007		1099	917	12	
Midweek	103	21	2163	0.966	0.456			2089	986		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	September	2907	1182	203		
2018	September	1640	289	337	6	
2019	September	2060	1230	113		0
2020	September	5138	1928	134		4
2021	September	2277	1439	284	8	0
2022	September	3290	2007	1001	6	0
5-Yr Avg	September	2804	1214	214	7	1

**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	205	21%	17%	511	53%	7%	34
Chinook	86	4%	40%	387	16%	9%	34

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	384	2%
iRec Anglers	5499	8%

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

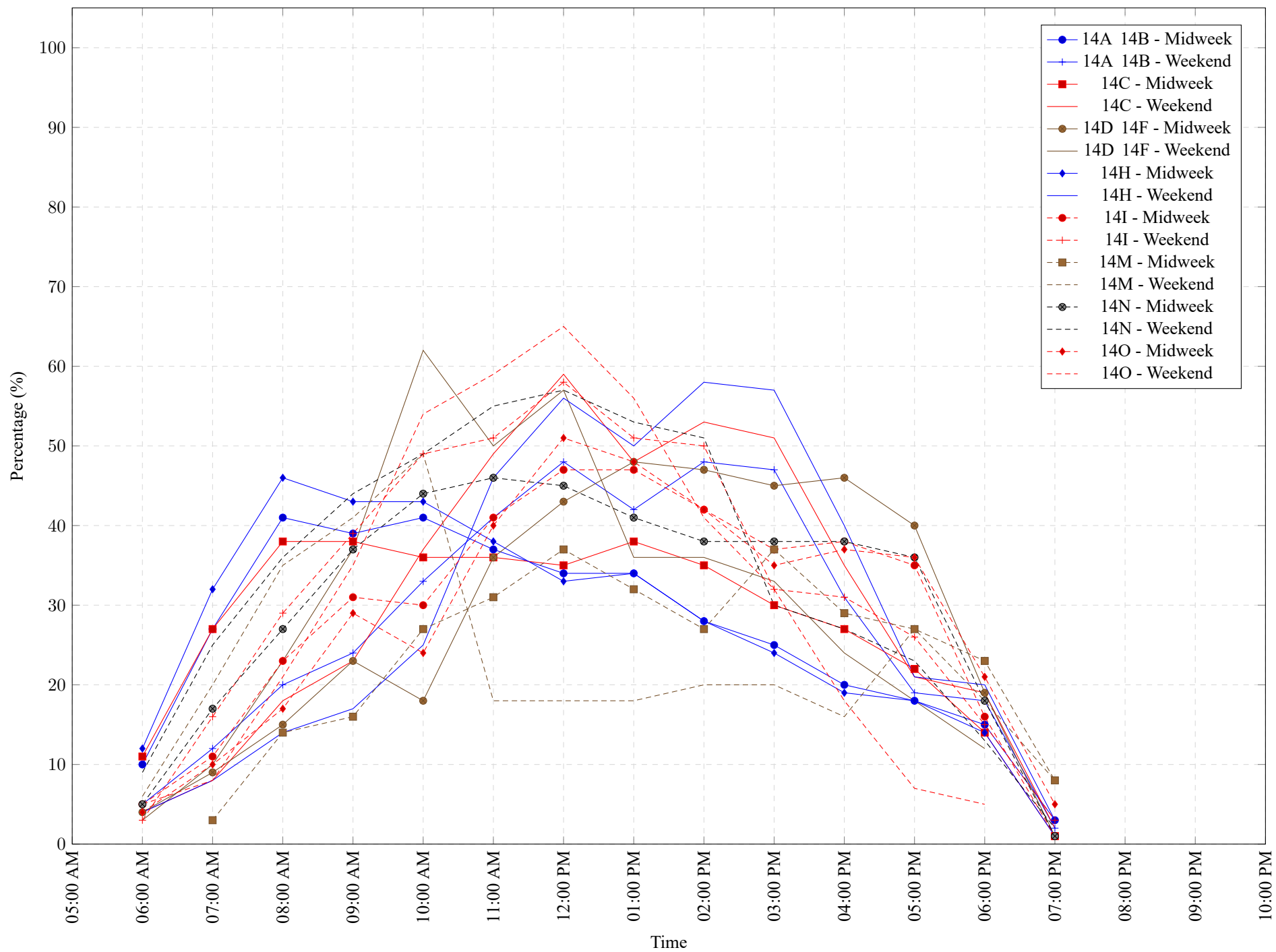


Table 7: Proportion of each day's fishing by hour.

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
14A 14B	Midweek	10%	27%	41%	39%	41%	37%	34%	34%	28%	25%	20%	18%	15%	3%	0%	0%	0%
14A 14B	Weekend	5%	12%	20%	24%	33%	41%	48%	42%	48%	47%	31%	19%	18%	2%	0%	0%	0%
14C	Midweek	11%	27%	38%	38%	36%	36%	35%	38%	35%	30%	27%	22%	14%	1%	0%	0%	0%
14C	Weekend	4%	8%	18%	23%	37%	49%	59%	48%	53%	51%	35%	21%	19%	2%	0%	0%	0%
14D 14F	Midweek	4%	9%	15%	23%	18%	36%	43%	48%	47%	45%	46%	40%	19%	1%	0%	0%	0%
14D 14F	Weekend	3%	10%	23%	37%	62%	50%	57%	36%	36%	33%	24%	18%	12%	0%	0%	0%	0%
14H	Midweek	12%	32%	46%	43%	43%	38%	33%	34%	28%	24%	19%	18%	14%	1%	0%	0%	0%
14H	Weekend	4%	8%	14%	17%	25%	46%	56%	50%	58%	57%	40%	21%	20%	3%	0%	0%	0%
14I	Midweek	5%	11%	23%	31%	30%	41%	47%	47%	42%	37%	38%	35%	16%	1%	0%	0%	0%
14I	Weekend	3%	16%	29%	39%	49%	51%	58%	51%	50%	32%	31%	26%	15%	3%	0%	0%	0%
14M	Midweek	0%	3%	14%	16%	27%	31%	37%	32%	27%	37%	29%	27%	23%	8%	0%	0%	0%
14M	Weekend	6%	20%	35%	41%	49%	18%	18%	18%	20%	20%	16%	27%	18%	8%	0%	0%	0%
14N	Midweek	5%	17%	27%	37%	44%	46%	45%	41%	38%	38%	38%	36%	18%	1%	0%	0%	0%
14N	Weekend	9%	25%	36%	44%	49%	55%	57%	53%	51%	30%	27%	23%	13%	2%	0%	0%	0%
14O	Midweek	4%	10%	17%	29%	24%	40%	51%	48%	42%	35%	37%	36%	21%	5%	0%	0%	0%
14O	Weekend	5%	8%	21%	35%	54%	59%	65%	56%	41%	32%	18%	7%	5%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	Big Rock Boat Rental	Brechin	Bucaneer	Comox Mun	Cooper's Green	Discovery Marina South	French Ck	Kitty Coleman	Pacific Play	Schooner	Union Bay	Westview
29 Aug 2022	Midweek				calm/rippled								
30 Aug 2022	Midweek												
31 Aug 2022	Midweek		calm/rippled		calm/rippled							calm/rippled	
01 Sep 2022	Midweek							choppy					choppy
02 Sep 2022	Midweek		choppy						calm/rippled	calm/rippled	calm/rippled		
03 Sep 2022	Weekend				choppy		frequent whitecaps				frequent whitecaps	choppy	
04 Sep 2022	Weekend												
05 Sep 2022	Weekend											calm/rippled	
06 Sep 2022	Midweek				calm/rippled								
07 Sep 2022	Midweek	frequent whitecaps											
08 Sep 2022	Midweek							frequent whitecaps					
09 Sep 2022	Midweek								calm/rippled			calm/rippled	
10 Sep 2022	Weekend		choppy							calm/rippled			
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							frequent whitecaps					
16 Sep 2022	Midweek												
17 Sep 2022	Weekend								calm/rippled		choppy		choppy
18 Sep 2022	Weekend									calm/rippled	choppy		
19 Sep 2022	Midweek									calm/rippled			
20 Sep 2022	Midweek								calm/rippled				
21 Sep 2022	Midweek											calm/rippled	
22 Sep 2022	Midweek									frequent whitecaps			
23 Sep 2022	Midweek										large swells		
24 Sep 2022	Weekend								calm/rippled				
25 Sep 2022	Weekend				calm/rippled			choppy		choppy		calm/rippled	
26 Sep 2022	Midweek							calm/rippled					
27 Sep 2022	Midweek				calm/rippled					calm/rippled			
28 Sep 2022	Midweek												
29 Sep 2022	Midweek												
30 Sep 2022	Midweek											calm/rippled	
01 Oct 2022	Weekend								calm/rippled				
02 Oct 2022	Weekend							choppy					
03 Oct 2022	Midweek	calm/rippled											