

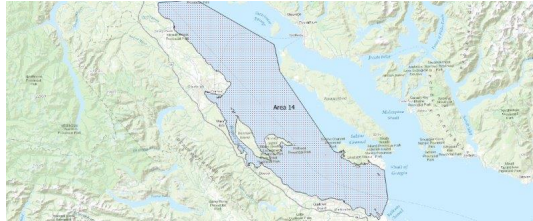
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 14 October 2022



*Prepared By:*

South Coast Salmon Stock Assessment Section

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



Fisheries and Oceans  
Canada

Pêches et Océans  
Canada

**your  
catch  
counts**

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

Date	Day Type	Big Rock Boat Rental	Comox Mun		French Ck		Kitty Coleman		Union Bay	
		PM	AM	PM	AM	PM	AM	PM	AM	PM
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								
04 Oct 2022	Midweek			3						
05 Oct 2022	Midweek				7					
06 Oct 2022	Midweek							5		
07 Oct 2022	Midweek									
08 Oct 2022	Weekend					16				
09 Oct 2022	Weekend						5			
10 Oct 2022	Weekend									
11 Oct 2022	Midweek			2						
12 Oct 2022	Midweek									
13 Oct 2022	Midweek									
14 Oct 2022	Midweek		3							
15 Oct 2022	Weekend									
16 Oct 2022	Weekend									
17 Oct 2022	Midweek									
18 Oct 2022	Midweek									3
19 Oct 2022	Midweek					11				
20 Oct 2022	Midweek									
21 Oct 2022	Midweek				2					
22 Oct 2022	Weekend		1							1
23 Oct 2022	Weekend									
24 Oct 2022	Midweek									
25 Oct 2022	Midweek									
26 Oct 2022	Midweek									
27 Oct 2022	Midweek									
28 Oct 2022	Midweek									
29 Oct 2022	Weekend									
30 Oct 2022	Weekend									
31 Oct 2022	Midweek									
01 Nov 2022	Midweek									
02 Nov 2022	Midweek									
03 Nov 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
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	219
03-Oct-2022	Monday	calm/rippled	1							
04-Oct-2022	Tuesday	calm/rippled	3	5						
05-Oct-2022	Wednesday	calm/rippled	8	7	5					
06-Oct-2022	Thursday	calm/rippled	6	5	4			16	1109	91
07-Oct-2022	Friday		0							
08-Oct-2022	Saturday	choppy	17	5	18					
09-Oct-2022	Sunday	calm/rippled	6	7	1					
10-Oct-2022	Monday (Thanksgiving)		1	2						
11-Oct-2022	Tuesday	calm/rippled	4	8						
12-Oct-2022	Wednesday		1	3				8	1102	48
13-Oct-2022	Thursday		1	2						
14-Oct-2022	Friday	calm/rippled	3							
15-Oct-2022	Saturday		2	4	1					
16-Oct-2022	Sunday		1	5				50	1104	103
17-Oct-2022	Monday		2	1				4	1100	21
18-Oct-2022	Tuesday	calm/rippled	5	8						
19-Oct-2022	Wednesday	choppy	13	6						
20-Oct-2022	Thursday		2	2						
21-Oct-2022	Friday	calm/rippled	2	2	2					
22-Oct-2022	Saturday	choppy	3	1	3					
23-Oct-2022	Sunday		1	6						
24-Oct-2022	Monday		1	6						
25-Oct-2022	Tuesday		0							
26-Oct-2022	Wednesday		0							
27-Oct-2022	Thursday		0							
28-Oct-2022	Friday		0							
29-Oct-2022	Saturday		0					0	1051	0
30-Oct-2022	Sunday		0							
31-Oct-2022	Monday		1							
01-Nov-2022	Tuesday		0							
02-Nov-2022	Wednesday		0							
03-Nov-2022	Thursday		0							
	Totals	calm/rippled	53	55	11			9*		53*
	Totals	choppy	70	51	29			51*		107*

\* 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	107	11	1177	0.729	0.414			858	487		
Midweek	53	20	1060	1.038	0.208			1100	220		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	October	152	4	3		
2018	October	720	264			
2019	October	548	104			0
2020	October	1003	56	40		0
2021	October	296	92	48		0
2022	October	1631	799	508		0
5-Yr Avg	October	544	104	30		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	257	51%	6%	388	71%	4%	15
Chinook	67	9%	7%	119	18%	4%	5

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	123	3%
iRec Anglers	1759	8%

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

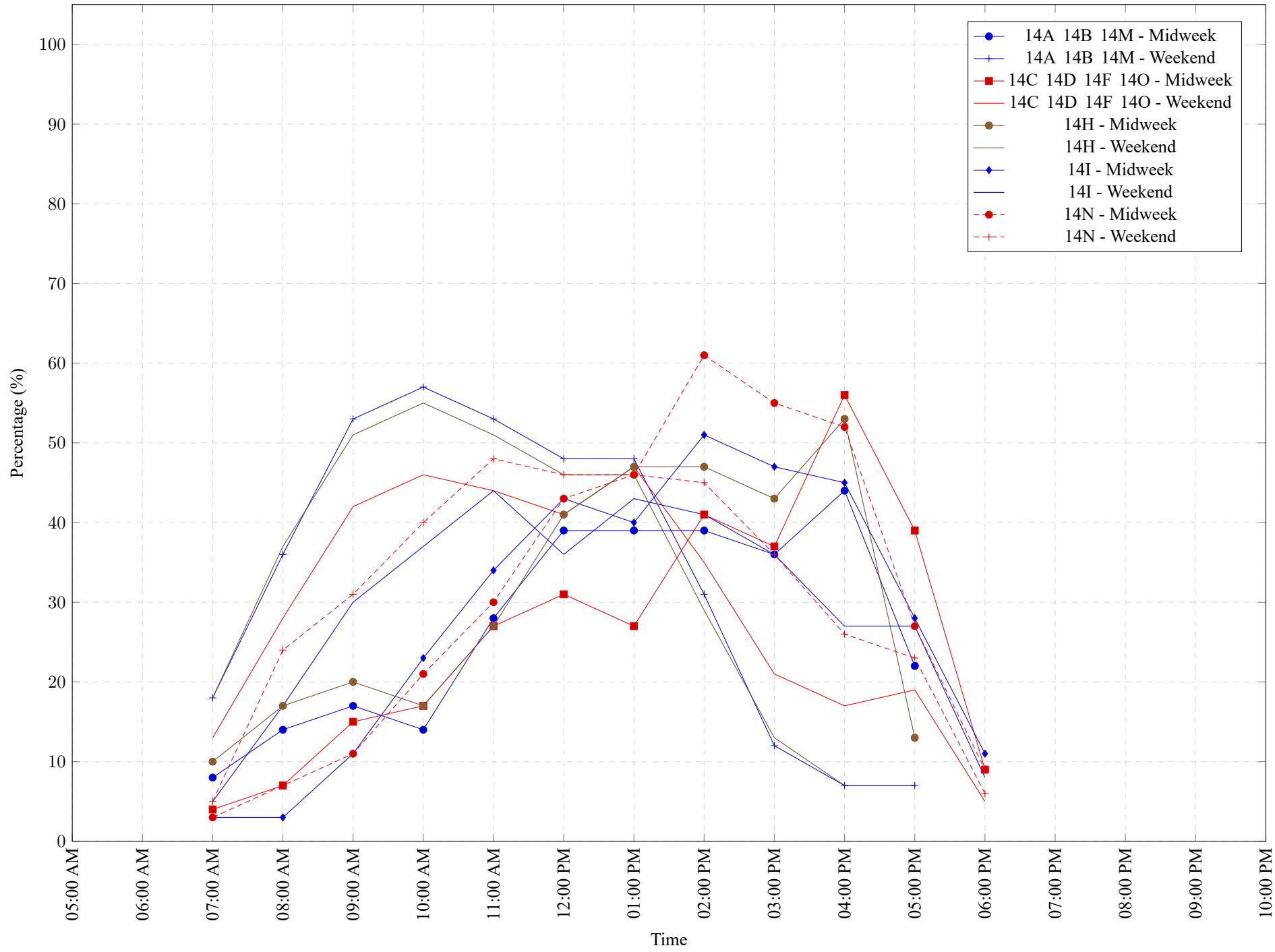


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00	7:00	8:00	9:00	10:00	11:00	12:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00
		AM	AM	AM	AM	AM	AM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
14A 14B 14M	Midweek	0%	8%	14%	17%	14%	28%	39%	39%	39%	36%	44%	22%	0%	0%	0%	0%	0%
14A 14B 14M	Weekend	0%	18%	36%	53%	57%	53%	48%	48%	31%	12%	7%	7%	0%	0%	0%	0%	0%
14C 14D 14F 14O	Midweek	0%	4%	7%	15%	17%	27%	31%	27%	41%	37%	56%	39%	9%	0%	0%	0%	0%
14C 14D 14F 14O	Weekend	0%	13%	28%	42%	46%	44%	41%	47%	35%	21%	17%	19%	5%	0%	0%	0%	0%
14H	Midweek	0%	10%	17%	20%	17%	27%	41%	47%	47%	43%	53%	13%	0%	0%	0%	0%	0%
14H	Weekend	0%	18%	37%	51%	55%	51%	46%	46%	29%	13%	7%	7%	0%	0%	0%	0%	0%
14I	Midweek	0%	3%	3%	11%	23%	34%	43%	40%	51%	47%	45%	28%	11%	0%	0%	0%	0%
14I	Weekend	0%	5%	17%	30%	37%	44%	36%	43%	41%	36%	27%	27%	8%	0%	0%	0%	0%
14N	Midweek	0%	3%	7%	11%	21%	30%	43%	46%	61%	55%	52%	27%	9%	0%	0%	0%	0%
14N	Weekend	0%	5%	24%	31%	40%	48%	46%	46%	45%	36%	26%	23%	6%	0%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	Big Rock Boat Rental	Comox Mun	French Ck	Kitty Coleman	Union Bay
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				
04 Oct 2022	Midweek		calm/rippled			
05 Oct 2022	Midweek			calm/rippled		
06 Oct 2022	Midweek				calm/rippled	
07 Oct 2022	Midweek					
08 Oct 2022	Weekend			choppy		
09 Oct 2022	Weekend				calm/rippled	
10 Oct 2022	Weekend					
11 Oct 2022	Midweek		calm/rippled			
12 Oct 2022	Midweek					
13 Oct 2022	Midweek					
14 Oct 2022	Midweek		calm/rippled			
15 Oct 2022	Weekend					
16 Oct 2022	Weekend					
17 Oct 2022	Midweek					
18 Oct 2022	Midweek					calm/rippled
19 Oct 2022	Midweek			choppy		
20 Oct 2022	Midweek					
21 Oct 2022	Midweek			calm/rippled		
22 Oct 2022	Weekend		calm/rippled			choppy
23 Oct 2022	Weekend					
24 Oct 2022	Midweek					
25 Oct 2022	Midweek					
26 Oct 2022	Midweek					
27 Oct 2022	Midweek					
28 Oct 2022	Midweek					
29 Oct 2022	Weekend					
30 Oct 2022	Weekend					
31 Oct 2022	Midweek					
01 Nov 2022	Midweek					
02 Nov 2022	Midweek					
03 Nov 2022	Midweek					