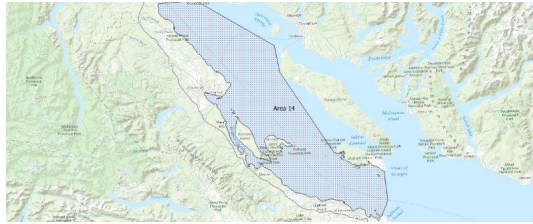


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 14 April 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Wednesday 7th February, 2024



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

Date	Day Type	Comox Mun AM	French Ck PM	Kitty Coleman AM	Pacific Play PM	Union Bay AM
29 Mar 2023	Midweek					
30 Mar 2023	Midweek					
31 Mar 2023	Midweek					
01 Apr 2023	Weekend			1		
02 Apr 2023	Weekend					
03 Apr 2023	Midweek					
04 Apr 2023	Midweek					
05 Apr 2023	Midweek					
06 Apr 2023	Midweek					
07 Apr 2023	Weekend					
08 Apr 2023	Weekend					
09 Apr 2023	Weekend					
10 Apr 2023	Midweek					
11 Apr 2023	Midweek				1	
12 Apr 2023	Midweek					
13 Apr 2023	Midweek		2			
14 Apr 2023	Midweek	1				
15 Apr 2023	Weekend					
16 Apr 2023	Weekend					
17 Apr 2023	Midweek					
18 Apr 2023	Midweek					
19 Apr 2023	Midweek					
20 Apr 2023	Midweek					
21 Apr 2023	Midweek					
22 Apr 2023	Weekend					
23 Apr 2023	Weekend					
24 Apr 2023	Midweek					
25 Apr 2023	Midweek					
26 Apr 2023	Midweek					
27 Apr 2023	Midweek					
28 Apr 2023	Midweek					
29 Apr 2023	Weekend					
30 Apr 2023	Weekend					
01 May 2023	Midweek	1				
02 May 2023	Midweek		9			1
03 May 2023	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-Mar-2023	Wednesday		2							
30-Mar-2023	Thursday		1							
31-Mar-2023	Friday		0							
01-Apr-2023	Saturday	calm/rippled	1					6	1259	26
02-Apr-2023	Sunday		1							
03-Apr-2023	Monday		0							
04-Apr-2023	Tuesday		0							
05-Apr-2023	Wednesday		0							
06-Apr-2023	Thursday		0							
07-Apr-2023	Friday (Good Friday)		2					1	1301	5
08-Apr-2023	Saturday		0							
09-Apr-2023	Sunday		0							
10-Apr-2023	Monday		0							
11-Apr-2023	Tuesday	choppy	1							
12-Apr-2023	Wednesday		0							
13-Apr-2023	Thursday	choppy	4							
14-Apr-2023	Friday	calm/rippled	2					1	1302	4
15-Apr-2023	Saturday		0							
16-Apr-2023	Sunday		0							
17-Apr-2023	Monday		0							
18-Apr-2023	Tuesday		0							
19-Apr-2023	Wednesday		0							
20-Apr-2023	Thursday		0							
21-Apr-2023	Friday		0							
22-Apr-2023	Saturday		0							
23-Apr-2023	Sunday		0					2	1305	10
24-Apr-2023	Monday		1					3	1333	8
25-Apr-2023	Tuesday		0							
26-Apr-2023	Wednesday		0							
27-Apr-2023	Thursday		2				1	3	1328	12
28-Apr-2023	Friday		1							
29-Apr-2023	Saturday		0							
30-Apr-2023	Sunday		0							
01-May-2023	Monday	choppy	3							
02-May-2023	Tuesday	calm/rippled	10							
03-May-2023	Wednesday		0							
	Totals	choppy	11				1	2*		8*
	Totals	calm/rippled	4					3*		14*

* 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	14	11	154								
Midweek	8	19	152				0.091				14

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2022	April	360	77	0		0
2023	April	268	0			1
5-Yr Avg	April	360	77	0		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
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Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	15	4%
iRec Anglers	94	46%

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

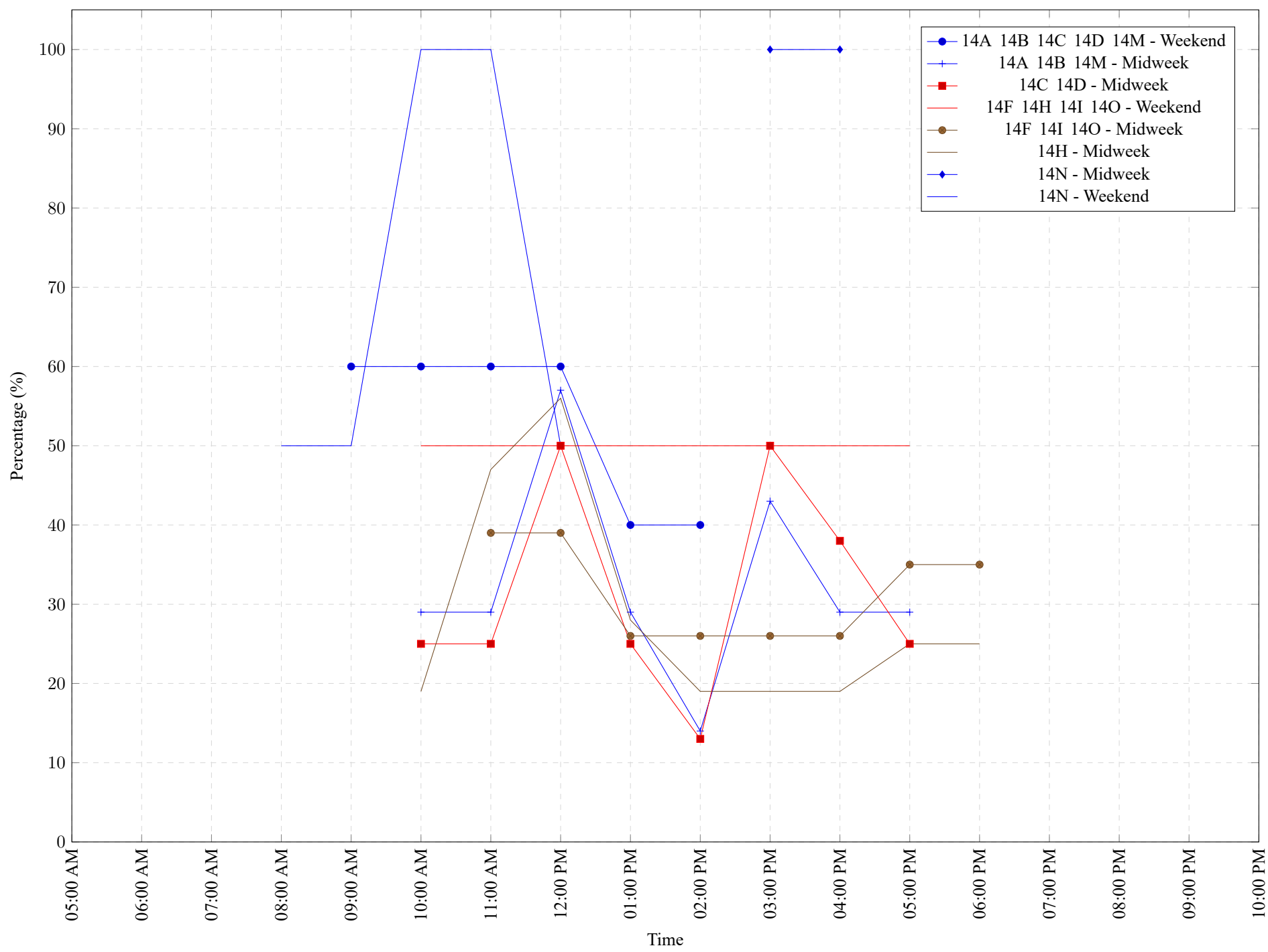


Table 7: Proportion of each day's fishing by hour.

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	14C	14D	14M	Weekend	0%	0%	0%	60%	60%	60%	60%	40%	40%	0%	0%	0%	0%	0%	0%	0%	0%
14A 14B 14M					Midweek	0%	0%	0%	0%	29%	29%	57%	29%	14%	43%	29%	29%	0%	0%	0%	0%	0%
14C 14D					Midweek	0%	0%	0%	0%	25%	25%	50%	25%	13%	50%	38%	25%	0%	0%	0%	0%	0%
14F	14H	14I	14O		Weekend	0%	0%	0%	0%	50%	50%	0%	0%	0%	50%	50%	50%	0%	0%	0%	0%	0%
14F 14I 14O					Midweek	0%	0%	0%	0%	0%	39%	39%	26%	26%	26%	26%	35%	35%	0%	0%	0%	0%
14H					Midweek	0%	0%	0%	0%	19%	47%	56%	28%	19%	19%	19%	25%	25%	0%	0%	0%	0%
14N					Midweek	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%
14N					Weekend	0%	0%	50%	50%	100%	100%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Comox Mun	French Ck	Kitty Coleman	Pacific Play	Union Bay
29 Mar 2023	Midweek					
30 Mar 2023	Midweek					
31 Mar 2023	Midweek					
01 Apr 2023	Weekend			calm/rippled		
02 Apr 2023	Weekend					
03 Apr 2023	Midweek					
04 Apr 2023	Midweek					
05 Apr 2023	Midweek					
06 Apr 2023	Midweek					
07 Apr 2023	Weekend					
08 Apr 2023	Weekend					
09 Apr 2023	Weekend					
10 Apr 2023	Midweek					
11 Apr 2023	Midweek				choppy	
12 Apr 2023	Midweek					
13 Apr 2023	Midweek		choppy			
14 Apr 2023	Midweek	calm/rippled				
15 Apr 2023	Weekend					
16 Apr 2023	Weekend					
17 Apr 2023	Midweek					
18 Apr 2023	Midweek					
19 Apr 2023	Midweek					
20 Apr 2023	Midweek					
21 Apr 2023	Midweek					
22 Apr 2023	Weekend					
23 Apr 2023	Weekend					
24 Apr 2023	Midweek					
25 Apr 2023	Midweek					
26 Apr 2023	Midweek					
27 Apr 2023	Midweek					
28 Apr 2023	Midweek					
29 Apr 2023	Weekend					
30 Apr 2023	Weekend					
01 May 2023	Midweek	choppy				
02 May 2023	Midweek		calm/rippled			calm/rippled
03 May 2023	Midweek					