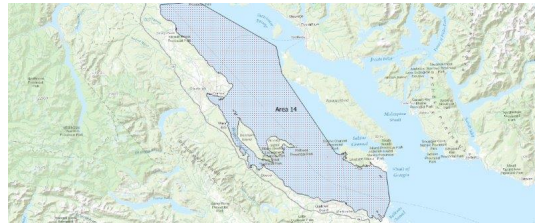


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 14 October 2023



Prepared By:

South Coast Salmon Stock Assessment Section

Saturday 10th February, 2024



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	Comox Mun		French Ck		Kitty Coleman		Pacific Play	
		AM	PM	AM	PM	AM	PM	AM	PM
28 Sep 2023	Midweek								
29 Sep 2023	Midweek			6					
30 Sep 2023	Weekend				13				
01 Oct 2023	Weekend				22				
02 Oct 2023	Midweek								
03 Oct 2023	Midweek						4		
04 Oct 2023	Midweek		5						3
05 Oct 2023	Midweek						1		
06 Oct 2023	Midweek				14				
07 Oct 2023	Weekend		21						
08 Oct 2023	Weekend					1			
09 Oct 2023	Weekend								
10 Oct 2023	Midweek								
11 Oct 2023	Midweek		3						
12 Oct 2023	Midweek								
13 Oct 2023	Midweek			4					
14 Oct 2023	Weekend								
15 Oct 2023	Weekend			1					
16 Oct 2023	Midweek								
17 Oct 2023	Midweek								
18 Oct 2023	Midweek								
19 Oct 2023	Midweek								
20 Oct 2023	Midweek								
21 Oct 2023	Weekend								
22 Oct 2023	Weekend								1
23 Oct 2023	Midweek								
24 Oct 2023	Midweek								1
25 Oct 2023	Midweek								
26 Oct 2023	Midweek	3							
27 Oct 2023	Midweek								
28 Oct 2023	Weekend			7				2	
29 Oct 2023	Weekend	2							
30 Oct 2023	Midweek								
31 Oct 2023	Midweek								
01 Nov 2023	Midweek								
02 Nov 2023	Midweek								
03 Nov 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
28-Sep-2023	Thursday		1	1				16	1214	29
29-Sep-2023	Friday	choppy	6		7					
30-Sep-2023	Saturday	choppy	14	5	32					
01-Oct-2023	Sunday	choppy	23	14	22			44	1236	78
02-Oct-2023	Monday		0							
03-Oct-2023	Tuesday	calm/rippled	5	2	4					
04-Oct-2023	Wednesday	calm/rippled	9	7	4			28	1200	52
05-Oct-2023	Thursday	calm/rippled	1							
06-Oct-2023	Friday	calm/rippled	15	6	15					
07-Oct-2023	Saturday	calm/rippled	22	7	6					
08-Oct-2023	Sunday	frequent whitecaps	2	1						
09-Oct-2023	Monday (Thanksgiving)		0							
10-Oct-2023	Tuesday		0							
11-Oct-2023	Wednesday	calm/rippled	4	3						
12-Oct-2023	Thursday		0							
13-Oct-2023	Friday	choppy	5	4	5					
14-Oct-2023	Saturday		0							
15-Oct-2023	Sunday	frequent whitecaps	1							
16-Oct-2023	Monday		0							
17-Oct-2023	Tuesday		0							
18-Oct-2023	Wednesday		0							
19-Oct-2023	Thursday		0							
20-Oct-2023	Friday		1	1						
21-Oct-2023	Saturday		1					9	1216	17
22-Oct-2023	Sunday	choppy	1							
23-Oct-2023	Monday		1	1						
24-Oct-2023	Tuesday	calm/rippled	1					3	1152	6
25-Oct-2023	Wednesday		0							
26-Oct-2023	Thursday	choppy	3					12	1208	22
27-Oct-2023	Friday		0							
28-Oct-2023	Saturday	calm/rippled	11	13				13	1234	24
29-Oct-2023	Sunday	choppy	2							
30-Oct-2023	Monday		1	1						
31-Oct-2023	Tuesday		0							
01-Nov-2023	Wednesday		0							
02-Nov-2023	Thursday		0							
03-Nov-2023	Friday		0							
	Totals	calm/rippled	46	25	28			14*		27*
	Totals	choppy	63	35	28			22*		40*

* 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	27	21	567	0.543	0.609			308	345		
Weekend	40	10	400	0.556	0.444			222	178		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2023	October	895	446	618		0
5-Yr Avg	October	840	263	199		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	429	69%	7%	448	98%	7%	30
Chinook	84	19%	12%	39	12%	26%	10

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	109	4%
iRec Anglers	1006	4%

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

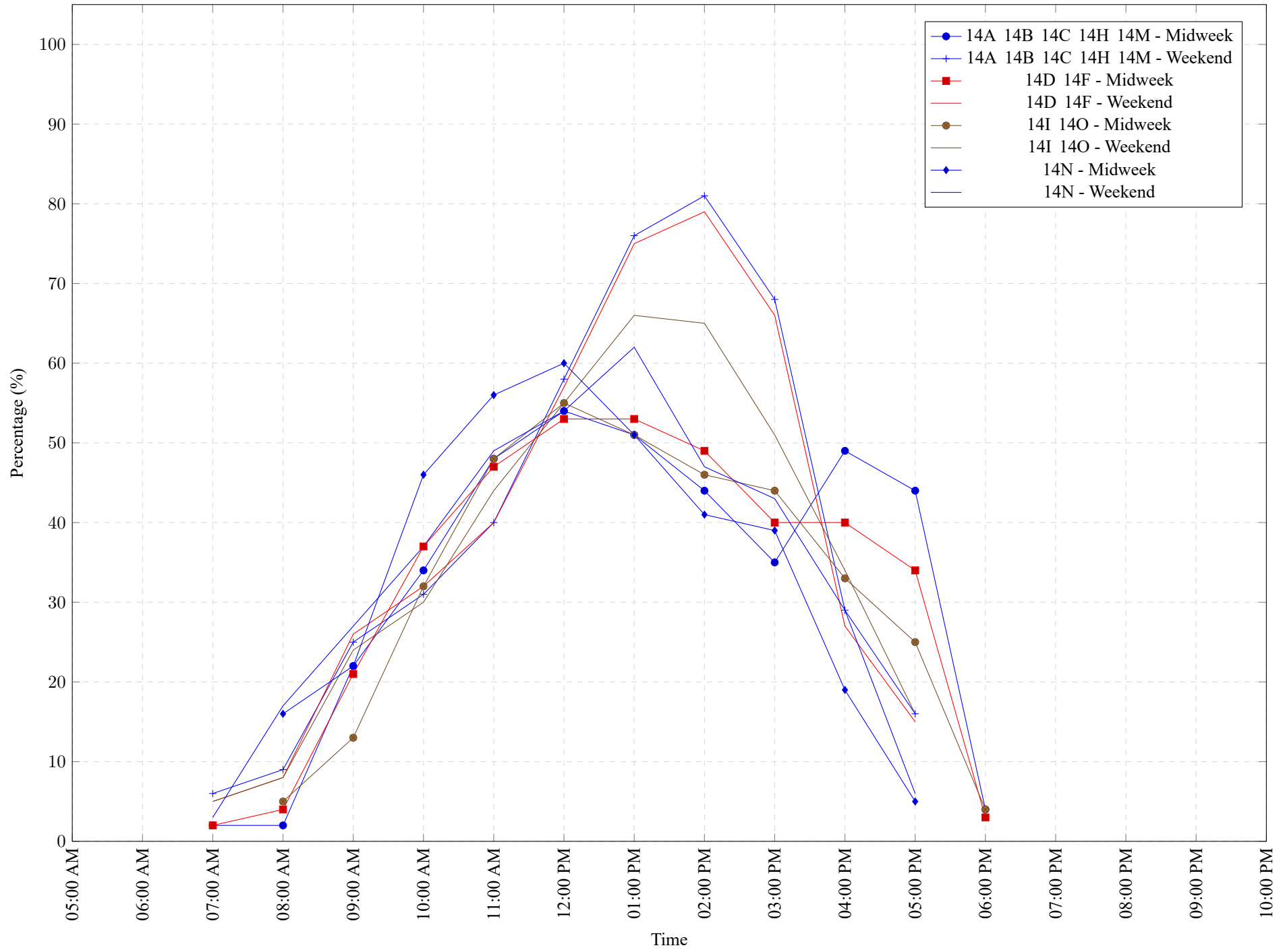


Table 7: Proportion of each day's fishing by hour.

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 14H 14M					Midweek	0%	2%	2%	22%	34%	48%	54%	51%	44%	35%	49%	44%	4%	0%	0%	0%	0%
14A 14B 14C 14H 14M					Weekend	0%	6%	9%	25%	31%	40%	58%	76%	81%	68%	29%	16%	0%	0%	0%	0%	0%
14D 14F					Midweek	0%	2%	4%	21%	37%	47%	53%	53%	49%	40%	40%	34%	3%	0%	0%	0%	0%
14D 14F					Weekend	0%	5%	8%	26%	32%	40%	57%	75%	79%	66%	27%	15%	0%	0%	0%	0%	0%
14I 14O					Midweek	0%	0%	5%	13%	32%	48%	55%	51%	46%	44%	33%	25%	4%	0%	0%	0%	0%
14I 14O					Weekend	0%	5%	8%	24%	30%	44%	55%	66%	65%	51%	34%	16%	0%	0%	0%	0%	0%
14N					Midweek	0%	0%	16%	22%	46%	56%	60%	51%	41%	39%	19%	5%	0%	0%	0%	0%	0%
14N					Weekend	0%	3%	17%	27%	37%	49%	54%	62%	47%	43%	29%	6%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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