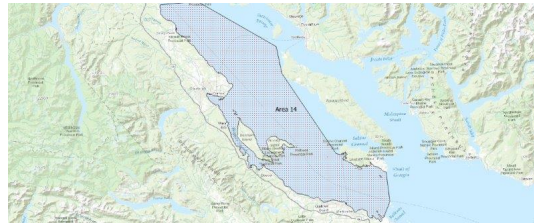


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 14 June 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.

		Big Rock Boat Rental	Comox Mun		French Ck		Kitty Coleman		Pacific Play		Schooner		Union Bay	
Date	Day Type	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
29 May 2023	Midweek											1		
30 May 2023	Midweek													
31 May 2023	Midweek													
01 Jun 2023	Midweek													
02 Jun 2023	Midweek					8	1							
03 Jun 2023	Weekend													
04 Jun 2023	Weekend											1		
05 Jun 2023	Midweek													
06 Jun 2023	Midweek			3										
07 Jun 2023	Midweek													
08 Jun 2023	Midweek													
09 Jun 2023	Midweek				6									
10 Jun 2023	Weekend								6					
11 Jun 2023	Weekend							1						
12 Jun 2023	Midweek													
13 Jun 2023	Midweek													
14 Jun 2023	Midweek													
15 Jun 2023	Midweek													
16 Jun 2023	Midweek													
17 Jun 2023	Weekend		1											
18 Jun 2023	Weekend			20		25		4						
19 Jun 2023	Midweek												1	
20 Jun 2023	Midweek		1									1		
21 Jun 2023	Midweek									2				
22 Jun 2023	Midweek								1					
23 Jun 2023	Midweek					23								
24 Jun 2023	Weekend								3		1		3	
25 Jun 2023	Weekend				14									4
26 Jun 2023	Midweek	1												
27 Jun 2023	Midweek		5					3						
28 Jun 2023	Midweek										1			
29 Jun 2023	Midweek							2						
30 Jun 2023	Midweek			4								1		
01 Jul 2023	Weekend					20	1		1					
02 Jul 2023	Weekend		3	11										
03 Jul 2023	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-May-2023	Monday	frequent whitecaps	1							
30-May-2023	Tuesday		0							
31-May-2023	Wednesday		0							
01-Jun-2023	Thursday		3							
02-Jun-2023	Friday	choppy	12		8					
03-Jun-2023	Saturday		1					3	1214	7
04-Jun-2023	Sunday	frequent whitecaps	2		2					
05-Jun-2023	Monday		0					25	0709	285
06-Jun-2023	Tuesday	calm/rippled	5		3					
07-Jun-2023	Wednesday		4		6					
08-Jun-2023	Thursday		5		2			14	1157	42
09-Jun-2023	Friday	choppy	8		5					
10-Jun-2023	Saturday	calm/rippled	9		6					
11-Jun-2023	Sunday	choppy	5		8			17	1147	43
12-Jun-2023	Monday		3		6					
13-Jun-2023	Tuesday		2	1	7					
14-Jun-2023	Wednesday		0							
15-Jun-2023	Thursday		2					34	1216	102
16-Jun-2023	Friday		3		2					
17-Jun-2023	Saturday	choppy	7		12			22	1218	47
18-Jun-2023	Sunday	calm/rippled	56		102					
19-Jun-2023	Monday	choppy	4		5					
20-Jun-2023	Tuesday	choppy	5		4					
21-Jun-2023	Wednesday	choppy	5		14					
22-Jun-2023	Thursday	calm/rippled	7		12					
23-Jun-2023	Friday	calm/rippled	27		49					
24-Jun-2023	Saturday	choppy	9		10			12	1219	26
25-Jun-2023	Sunday	calm/rippled	19		36					
26-Jun-2023	Monday	calm/rippled	1							
27-Jun-2023	Tuesday	calm/rippled	8		4					
28-Jun-2023	Wednesday	choppy	1							
29-Jun-2023	Thursday	calm/rippled	2		1			17	1244	51
30-Jun-2023	Friday	choppy	5		9					
01-Jul-2023	Saturday	choppy	25		55			57	1255	117
02-Jul-2023	Sunday	calm/rippled	16	1	19			21	1308	42
03-Jul-2023	Monday (Canada Day)	calm/rippled	9	1	17					
	Totals	choppy	112	1	137			23*		120*
	Totals	choppy	108		176			14*		31*

* 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	31	8	248		1.63				404		
Midweek	120	22	2640	0.009	1.223			24	3229		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	June	3099	3031	1288		
2019	June	1266	3	194		0
2020	June	1396	8	245		
2021	June	2552	1	181		0
2022	June	1183	0	31		0
2023	June	1781	1	2362		0
5-Yr Avg	June	1899	609	388		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	2332	99%	12%	2273	99%	12%	274
Chinook	1	100%	200%	51	86%	4%	2

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	219	4%
iRec Anglers	2625	12%

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

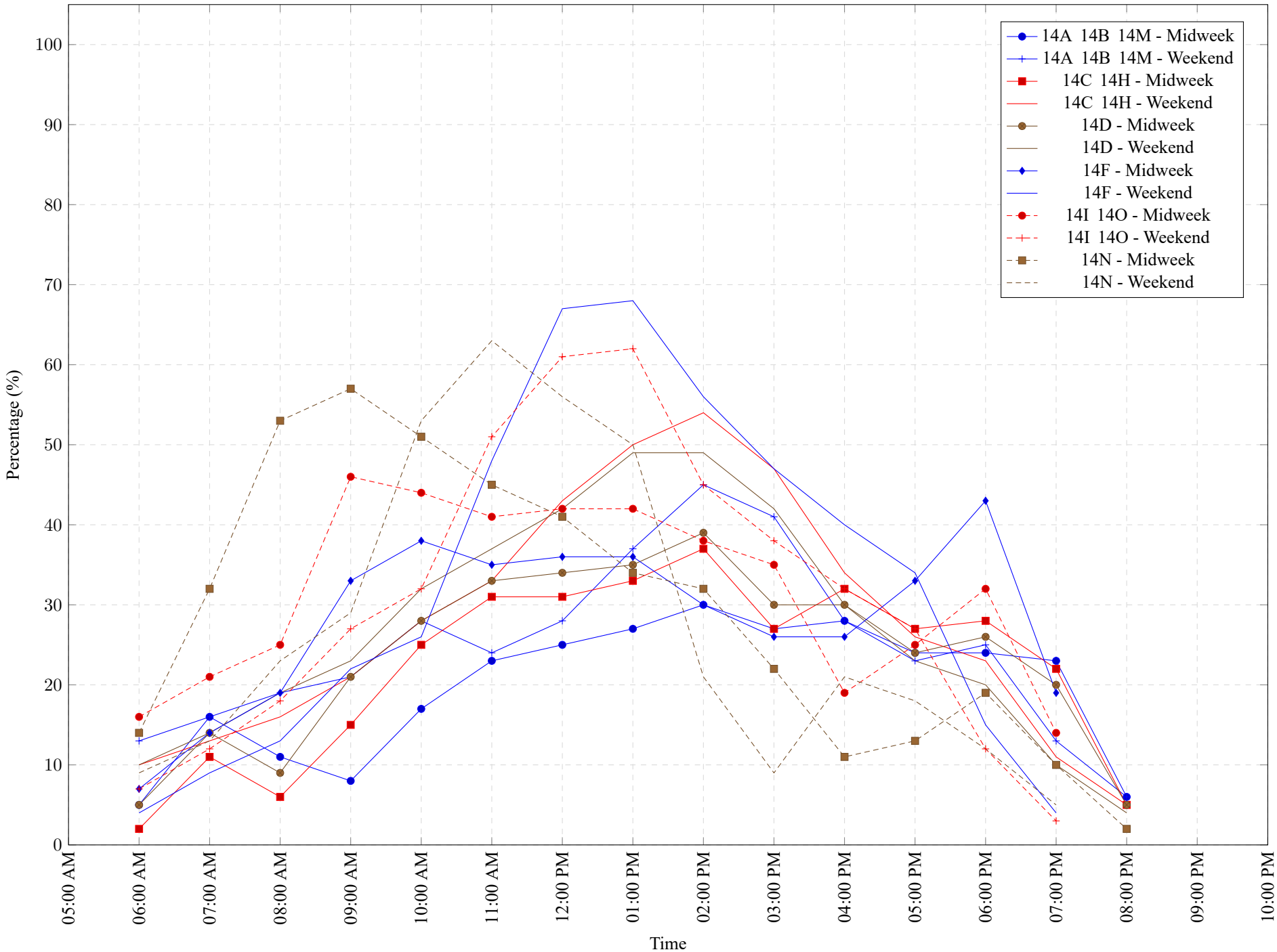


Table 7: Proportion of each day's fishing by hour.

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 14M			Midweek	5%	16%	11%	8%	17%	23%	25%	27%	30%	27%	28%	24%	24%	23%	6%	0%	0%
14A 14B 14M			Weekend	13%	16%	19%	21%	28%	24%	28%	37%	45%	41%	28%	23%	25%	13%	6%	0%	0%
14C 14H			Midweek	2%	11%	6%	15%	25%	31%	31%	33%	37%	27%	32%	27%	28%	22%	5%	0%	0%
14C 14H			Weekend	10%	13%	16%	21%	28%	33%	43%	50%	54%	47%	34%	26%	23%	11%	5%	0%	0%
14D			Midweek	5%	14%	9%	21%	28%	33%	34%	35%	39%	30%	30%	24%	26%	20%	5%	0%	0%
14D			Weekend	10%	14%	19%	23%	32%	37%	42%	49%	49%	42%	30%	23%	20%	10%	4%	0%	0%
14F			Midweek	7%	14%	19%	33%	38%	35%	36%	36%	30%	26%	26%	33%	43%	19%	0%	0%	0%
14F			Weekend	4%	9%	13%	22%	26%	48%	67%	68%	56%	47%	40%	34%	15%	4%	0%	0%	0%
14I 14O			Midweek	16%	21%	25%	46%	44%	41%	42%	42%	38%	35%	19%	25%	32%	14%	0%	0%	0%
14I 14O			Weekend	7%	12%	18%	27%	32%	51%	61%	62%	45%	38%	32%	27%	12%	3%	0%	0%	0%
14N			Midweek	14%	32%	53%	57%	51%	45%	41%	34%	32%	22%	11%	13%	19%	10%	2%	0%	0%
14N			Weekend	9%	13%	23%	29%	53%	63%	56%	50%	21%	9%	21%	18%	12%	5%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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