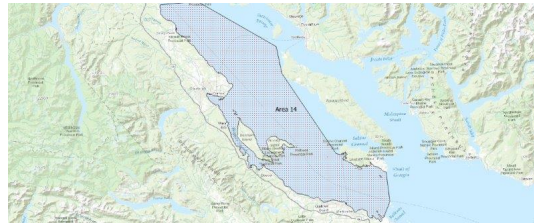


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 14 June 2022



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 19th 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.

		Big Rock Boat Rental	Comox Mun		French Ck		Kitty Coleman		Lady- smith	Pacific Play		Schooner		Union Bay		Westview	
Date	Day Type	PM	AM	PM	AM	PM	AM	PM	PM	AM	PM	AM	PM	AM	PM	AM	PM
29 May 2022	Weekend												3		3		
30 May 2022	Midweek		2														
31 May 2022	Midweek				1												
01 Jun 2022	Midweek							3					1				
02 Jun 2022	Midweek																
03 Jun 2022	Midweek																
04 Jun 2022	Weekend		2			1											
05 Jun 2022	Weekend												2				
06 Jun 2022	Midweek																
07 Jun 2022	Midweek				9												
08 Jun 2022	Midweek																
09 Jun 2022	Midweek																
10 Jun 2022	Midweek																
11 Jun 2022	Weekend						1						4				
12 Jun 2022	Weekend			6										2			
13 Jun 2022	Midweek					2											
14 Jun 2022	Midweek																
15 Jun 2022	Midweek			1													
16 Jun 2022	Midweek	1															
17 Jun 2022	Midweek					2											
18 Jun 2022	Weekend				5		1			1							
19 Jun 2022	Weekend							2				2					
20 Jun 2022	Midweek			2	6										2		
21 Jun 2022	Midweek																
22 Jun 2022	Midweek																
23 Jun 2022	Midweek								2								
24 Jun 2022	Midweek										5				4		
25 Jun 2022	Weekend					16					1						
26 Jun 2022	Weekend				9			1									
27 Jun 2022	Midweek																
28 Jun 2022	Midweek														2		
29 Jun 2022	Midweek																
30 Jun 2022	Midweek												2			1	
01 Jul 2022	Weekend									1			1				1
02 Jul 2022	Weekend					17								1			
03 Jul 2022	Weekend											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-May-2022	Sunday	calm/rippled	9							
30-May-2022	Monday	calm/rippled	2							
31-May-2022	Tuesday	calm/rippled	1							
01-Jun-2022	Wednesday	calm/rippled	8					14	1058	48
02-Jun-2022	Thursday		2							
03-Jun-2022	Friday		5							
04-Jun-2022	Saturday	choppy	3					1	1051	3
05-Jun-2022	Sunday	choppy	2							
06-Jun-2022	Monday		3							
07-Jun-2022	Tuesday	calm/rippled	10							
08-Jun-2022	Wednesday		2							
09-Jun-2022	Thursday		0							
10-Jun-2022	Friday		0					4	1104	13
11-Jun-2022	Saturday	choppy	10					13	1056	37
12-Jun-2022	Sunday	calm/rippled	11							
13-Jun-2022	Monday	choppy	5							
14-Jun-2022	Tuesday		0							
15-Jun-2022	Wednesday	choppy	2							
16-Jun-2022	Thursday	calm/rippled	2							
17-Jun-2022	Friday	choppy	6					4	1102	14
18-Jun-2022	Saturday	choppy	10							
19-Jun-2022	Sunday	choppy	6					38	1053	113
20-Jun-2022	Monday	calm/rippled	12		1					
21-Jun-2022	Tuesday		0							
22-Jun-2022	Wednesday		2							
23-Jun-2022	Thursday	choppy	4							
24-Jun-2022	Friday	calm/rippled	12					10	1058	35
25-Jun-2022	Saturday	choppy	17		1			43	1059	118
26-Jun-2022	Sunday	choppy	15							
27-Jun-2022	Monday		4							
28-Jun-2022	Tuesday	frequent whitecaps	4							
29-Jun-2022	Wednesday		3							
30-Jun-2022	Thursday	choppy	3							
01-Jul-2022	Friday (Canada Day)	calm/rippled	3							
02-Jul-2022	Saturday	choppy	18					25	1007	73
03-Jul-2022	Sunday	frequent whitecaps	1							
	Totals	choppy	89		1			8*		28*
	Totals	choppy	74		1			24*		68*

* 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	68	8	544		0.014				8		
Midweek	28	22	616		0.011				7		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	June	4322	3365	397		23
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
5-Yr Avg	June	2527	1282	461		8

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	31	100%	3%	11	73%	9%	1
Chinook	0	0%			%		2

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	163	6%
iRec Anglers	1408	19%

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

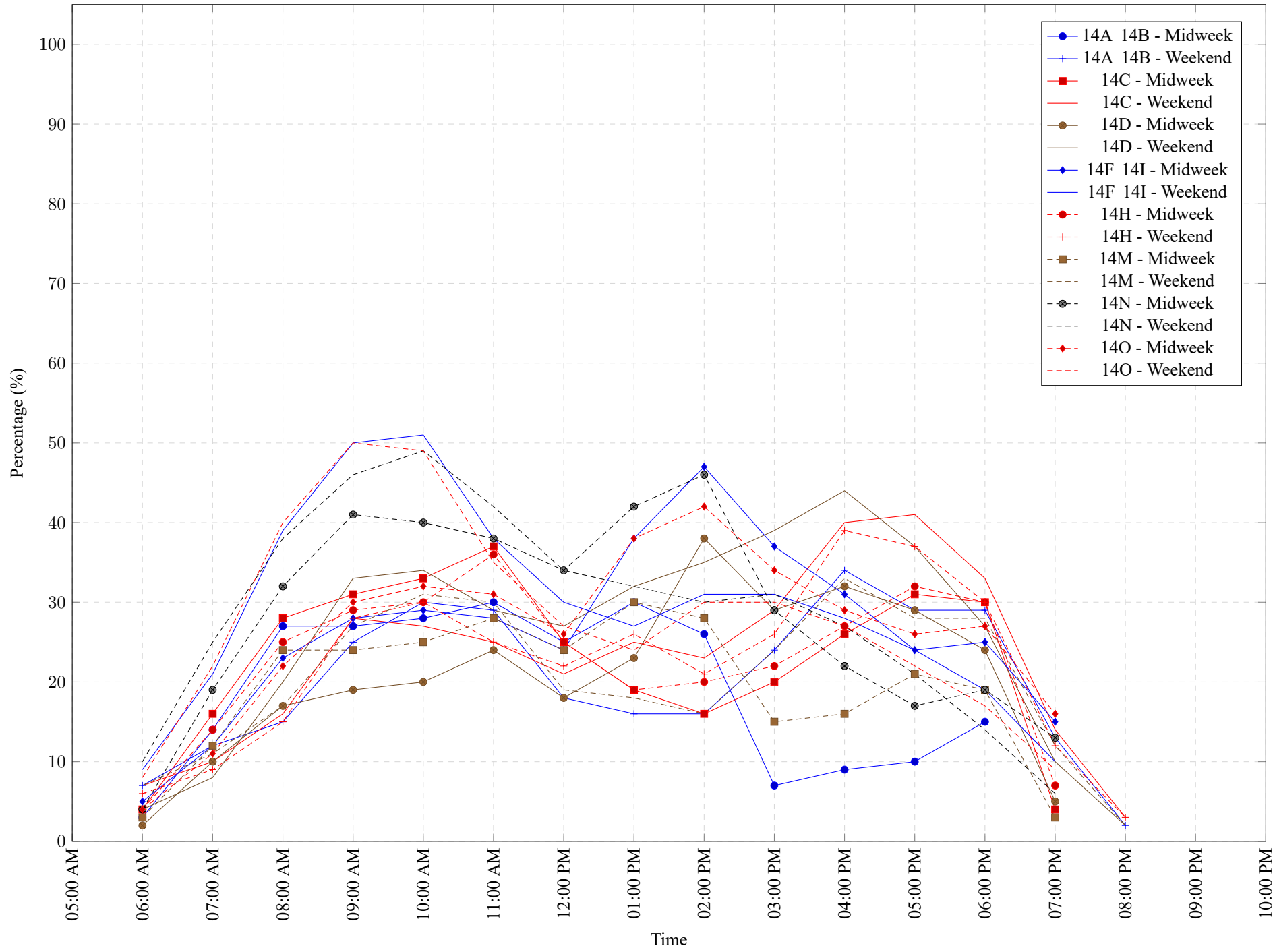


Table 7: Proportion of each day's fishing by hour.

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

Table 8: Daily Fishing Conditions.

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