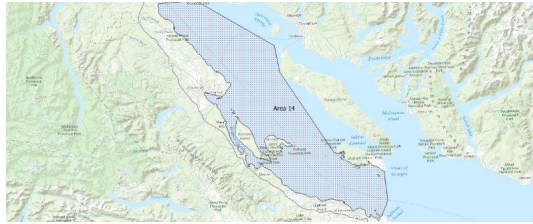


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 14 August 2023



Prepared By:

South Coast Salmon Stock Assessment Section

Saturday 10th February, 2024



Fisheries and Oceans
Canada

Pêches et Océans
Canada

**your
catch
counts**

The logo graphic for 'your catch counts', featuring a stylized blue silhouette of a person holding a fishing rod, with a fish jumping out of the water.

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

		Big Rock Boat Rental	Brown's Bay	Comox Mun		Discov- ery Marina South	French Ck		Kitty Coleman		Pacific Play		Schooner		Union Bay	
Date	Day Type	PM	PM	AM	PM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
29 Jul 2023	Weekend				7		23		13				1			
30 Jul 2023	Weekend								9			10		2		
31 Jul 2023	Midweek							21								
01 Aug 2023	Midweek	1									1					
02 Aug 2023	Midweek											8	1			
03 Aug 2023	Midweek															
04 Aug 2023	Midweek								10							
05 Aug 2023	Weekend								17							
06 Aug 2023	Weekend		7					37								
07 Aug 2023	Weekend								24							
08 Aug 2023	Midweek															1
09 Aug 2023	Midweek			1												
10 Aug 2023	Midweek															
11 Aug 2023	Midweek							24			10				4	
12 Aug 2023	Weekend										13					
13 Aug 2023	Weekend			7			24					5				
14 Aug 2023	Midweek				6						1	2				
15 Aug 2023	Midweek															
16 Aug 2023	Midweek						21									
17 Aug 2023	Midweek								1							
18 Aug 2023	Midweek															
19 Aug 2023	Weekend										2				1	
20 Aug 2023	Weekend				11											2
21 Aug 2023	Midweek			5												7
22 Aug 2023	Midweek														1	
23 Aug 2023	Midweek								17							
24 Aug 2023	Midweek				23	1										
25 Aug 2023	Midweek						19		25							2
26 Aug 2023	Weekend			11							16					
27 Aug 2023	Weekend				22				14							
28 Aug 2023	Midweek			7	13			22								
29 Aug 2023	Midweek								3			8				
30 Aug 2023	Midweek															
31 Aug 2023	Midweek															4
01 Sep 2023	Midweek															
02 Sep 2023	Weekend										4					9
03 Sep 2023	Weekend				13										7	

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-Jul-2023	Saturday	choppy	46	51	34			39	1303	134
30-Jul-2023	Sunday	choppy	23	33	12					
31-Jul-2023	Monday	calm/rippled	23	18	14					
01-Aug-2023	Tuesday	calm/rippled	5	11	5					
02-Aug-2023	Wednesday	calm/rippled	9	13				82	1120	231
03-Aug-2023	Thursday		1	5						
04-Aug-2023	Friday	choppy	12	12						
05-Aug-2023	Saturday	calm/rippled	19	33	3					
06-Aug-2023	Sunday	calm/rippled	45	50	34			154	1108	484
07-Aug-2023	Monday (B.C. Day)	calm/rippled	27	43				150	1103	471
08-Aug-2023	Tuesday	calm/rippled	2							
09-Aug-2023	Wednesday	calm/rippled	2	4				23	1201	66
10-Aug-2023	Thursday		2	4	2					
11-Aug-2023	Friday	choppy	41	28	31					
12-Aug-2023	Saturday	calm/rippled	18	21	5					
13-Aug-2023	Sunday	frequent whitecaps	37	21	22		1	50	1114	157
14-Aug-2023	Monday	choppy	11	11	1					
15-Aug-2023	Tuesday		2	3	1			27	1109	76
16-Aug-2023	Wednesday	choppy	23	14	13					
17-Aug-2023	Thursday	large swells	3	9	1					
18-Aug-2023	Friday		2	4						
19-Aug-2023	Saturday	choppy	4	14	1			37	1053	120
20-Aug-2023	Sunday	calm/rippled	15	9	1					
21-Aug-2023	Monday	calm/rippled	12	13	1					
22-Aug-2023	Tuesday	choppy	4	6						
23-Aug-2023	Wednesday	calm/rippled	18	33						
24-Aug-2023	Thursday	calm/rippled	26	39	3					
25-Aug-2023	Friday	calm/rippled	47	40	31					
26-Aug-2023	Saturday	calm/rippled	30	37	10			149	1109	472
27-Aug-2023	Sunday	calm/rippled	43	52	10					
28-Aug-2023	Monday	choppy	43	39	12			44	1106	124
29-Aug-2023	Tuesday	calm/rippled	12	10						
30-Aug-2023	Wednesday		2	4				66	1055	194
31-Aug-2023	Thursday	calm/rippled	5	1						
01-Sep-2023	Friday		3	6	1			73	1205	208
02-Sep-2023	Saturday	calm/rippled	15	10	11					
03-Sep-2023	Sunday	calm/rippled	22	37	11					
	Totals	choppy	284	303	101			48*		138*
	Totals	calm/rippled	238	280	86		1	108*		341*

* 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	138	22	3036	1.067	0.356			3239	1081		
Weekend	341	9	3069	1.176	0.361		0.004	3609	1108		12

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	August	6968	2670	2337	89	48
2019	August	7607	3651	569		0
2020	August	8431	5075	965		3
2021	August	7068	5710	255		9
2022	August	8351	8799	291	7	0
2023	August	6042	5533	2247	0	12
5-Yr Avg	August	7685	5181	883	48	12

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	2188	97%	9%	3460	94%	6%	207
Chinook	537	10%	18%	1235	26%	8%	94

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	522	3%
iRec Anglers	12762	12%

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

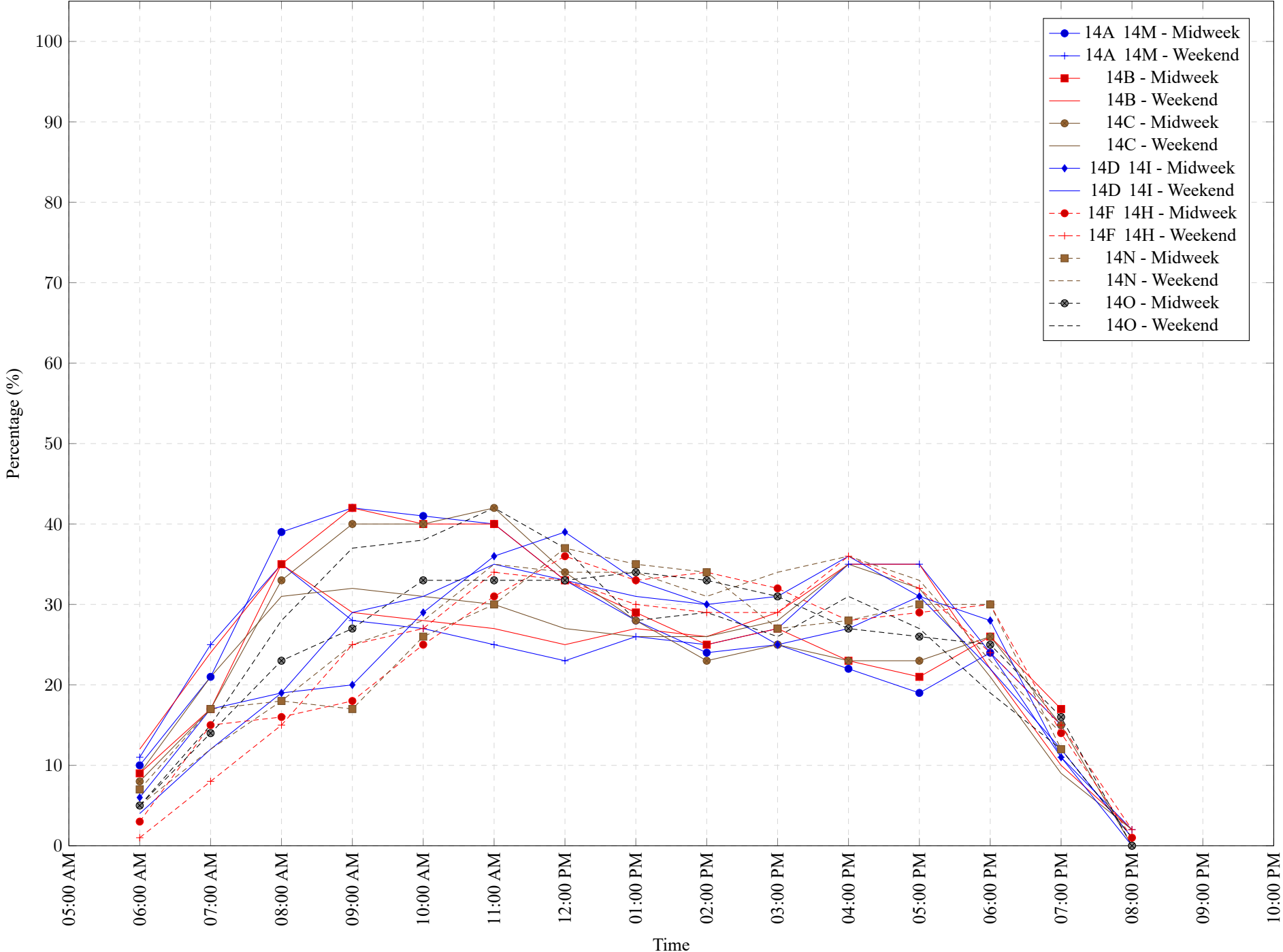


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00	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 14M	Midweek	10%	21%	39%	42%	41%	40%	33%	28%	24%	25%	22%	19%	24%	15%	0%	0%	0%
14A 14M	Weekend	11%	25%	35%	28%	27%	25%	23%	26%	25%	27%	35%	35%	24%	11%	2%	0%	0%
14B	Midweek	9%	17%	35%	42%	40%	40%	33%	29%	25%	27%	23%	21%	26%	17%	0%	0%	0%
14B	Weekend	12%	24%	35%	29%	28%	27%	25%	27%	26%	29%	35%	35%	22%	10%	2%	0%	0%
14C	Midweek	8%	17%	33%	40%	40%	42%	34%	28%	23%	25%	23%	23%	26%	15%	0%	0%	0%
14C	Weekend	9%	21%	31%	32%	31%	30%	27%	26%	26%	28%	35%	32%	21%	9%	2%	0%	0%
14D 14I	Midweek	6%	17%	19%	20%	29%	36%	39%	33%	30%	25%	27%	31%	28%	11%	0%	0%	0%
14D 14I	Weekend	4%	12%	19%	29%	31%	35%	33%	31%	30%	31%	36%	31%	22%	12%	1%	0%	0%
14F 14H	Midweek	3%	15%	16%	18%	25%	31%	36%	33%	34%	32%	28%	29%	30%	14%	1%	0%	0%
14F 14H	Weekend	1%	8%	15%	25%	27%	34%	33%	30%	29%	29%	36%	32%	24%	15%	2%	0%	0%
14N	Midweek	7%	17%	18%	17%	26%	30%	37%	35%	34%	27%	28%	30%	30%	12%	0%	0%	0%
14N	Weekend	5%	12%	18%	25%	28%	35%	34%	34%	31%	34%	36%	33%	23%	14%	0%	0%	0%
14O	Midweek	5%	14%	23%	27%	33%	33%	33%	34%	33%	31%	27%	26%	25%	16%	0%	0%	0%
14O	Weekend	5%	15%	28%	37%	38%	42%	37%	28%	29%	26%	31%	27%	19%	12%	1%	0%	0%

Table 8: Daily Fishing Conditions.

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