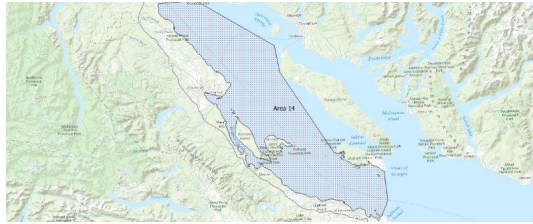


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 14 July 2022



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

		Big Rock Boat Rental		Comox Mun		Cooper's Green	Discovery Marina South	French Ck		Kitty Coleman		Pacific Play		Schooner		Union Bay		Westview	
Date	Day Type	AM	PM	AM	PM	PM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
28 Jun 2022	Midweek																2		
29 Jun 2022	Midweek																		
30 Jun 2022	Midweek																		
01 Jul 2022	Weekend											1		1				1	
02 Jul 2022	Weekend															1			
03 Jul 2022	Weekend								17						1				
04 Jul 2022	Midweek																		
05 Jul 2022	Midweek		1										2						
06 Jul 2022	Midweek			2													2		
07 Jul 2022	Midweek									2									
08 Jul 2022	Midweek																		
09 Jul 2022	Weekend	1										3							
10 Jul 2022	Weekend			2					3					3					
11 Jul 2022	Midweek							8			5	3							
12 Jul 2022	Midweek																		
13 Jul 2022	Midweek				6														1
14 Jul 2022	Midweek																		
15 Jul 2022	Midweek									2						1			
16 Jul 2022	Weekend											13				6		4	
17 Jul 2022	Weekend			11				24											
18 Jul 2022	Midweek								22								3		
19 Jul 2022	Midweek																	2	
20 Jul 2022	Midweek			4				16				5							
21 Jul 2022	Midweek													2					
22 Jul 2022	Midweek								16					3					6
23 Jul 2022	Weekend				12	1		26											
24 Jul 2022	Weekend									1				3			10		
25 Jul 2022	Midweek						1		23										
26 Jul 2022	Midweek										18								
27 Jul 2022	Midweek			9										2					
28 Jul 2022	Midweek											6			6				2
29 Jul 2022	Midweek							25											
30 Jul 2022	Weekend									14									
31 Jul 2022	Weekend								32					1		10		3	
01 Aug 2022	Weekend									8									
02 Aug 2022	Midweek																		
03 Aug 2022	Midweek							17		5									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
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	89
03-Jul-2022	Sunday	frequent whitecaps	1							
04-Jul-2022	Monday		0							
05-Jul-2022	Tuesday	calm/rippled	4					27	1055	89
06-Jul-2022	Wednesday	calm/rippled	6							
07-Jul-2022	Thursday	choppy	5							
08-Jul-2022	Friday		5					11	1008	34
09-Jul-2022	Saturday	calm/rippled	7					16	0952	56
10-Jul-2022	Sunday	choppy	8					13	1003	49
11-Jul-2022	Monday	calm/rippled	19							
12-Jul-2022	Tuesday		3							
13-Jul-2022	Wednesday	calm/rippled	10					9	1010	31
14-Jul-2022	Thursday		2							
15-Jul-2022	Friday	choppy	6	6				22	1007	73
16-Jul-2022	Saturday	calm/rippled	28	50						
17-Jul-2022	Sunday	choppy	38	60				55	1023	197
18-Jul-2022	Monday	frequent whitecaps	29	35						
19-Jul-2022	Tuesday	calm/rippled	6	9						
20-Jul-2022	Wednesday	choppy	29	51						
21-Jul-2022	Thursday	calm/rippled	4	8						
22-Jul-2022	Friday	choppy	28	39						
23-Jul-2022	Saturday	choppy	44	74	1					
24-Jul-2022	Sunday	calm/rippled	18	19						
25-Jul-2022	Monday	calm/rippled	27	34			1	51	1230	144
26-Jul-2022	Tuesday	calm/rippled	20	28				26	1240	84
27-Jul-2022	Wednesday	choppy	15	26						
28-Jul-2022	Thursday	calm/rippled	16	15				77	1153	222
29-Jul-2022	Friday	choppy	28	38	4					
30-Jul-2022	Saturday	choppy	17	21				74	1151	283
31-Jul-2022	Sunday	choppy	48	57	1					
01-Aug-2022	Monday (B.C. Day)	choppy	10	9				39	1211	140
02-Aug-2022	Tuesday		4	4				53	1114	156
03-Aug-2022	Wednesday	choppy	25	32	1					
	Totals	choppy	262	289	4		1	32*		97*
	Totals	choppy	230	281	2			37*		135*

* 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	97	20	1940	1.103	0.015		0.004	2140	29		8
Weekend	135	11	1485	1.222	0.009			1815	13		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	July	7169	1897	1706		76
2018	July	4881	2168	1677		
2019	July	5419	3593	2151	34	0
2020	July	5282	3357	996	0	0
2021	July	6769	6927	441		10
2022	July	4068	4532	57		0
5-Yr Avg	July	5904	3588	1394	17	22

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	40	70%	8%	68	71%	4%	3
Chinook	414	9%	24%	470	13%	21%	98

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	484	2%
iRec Anglers	8302	11%

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

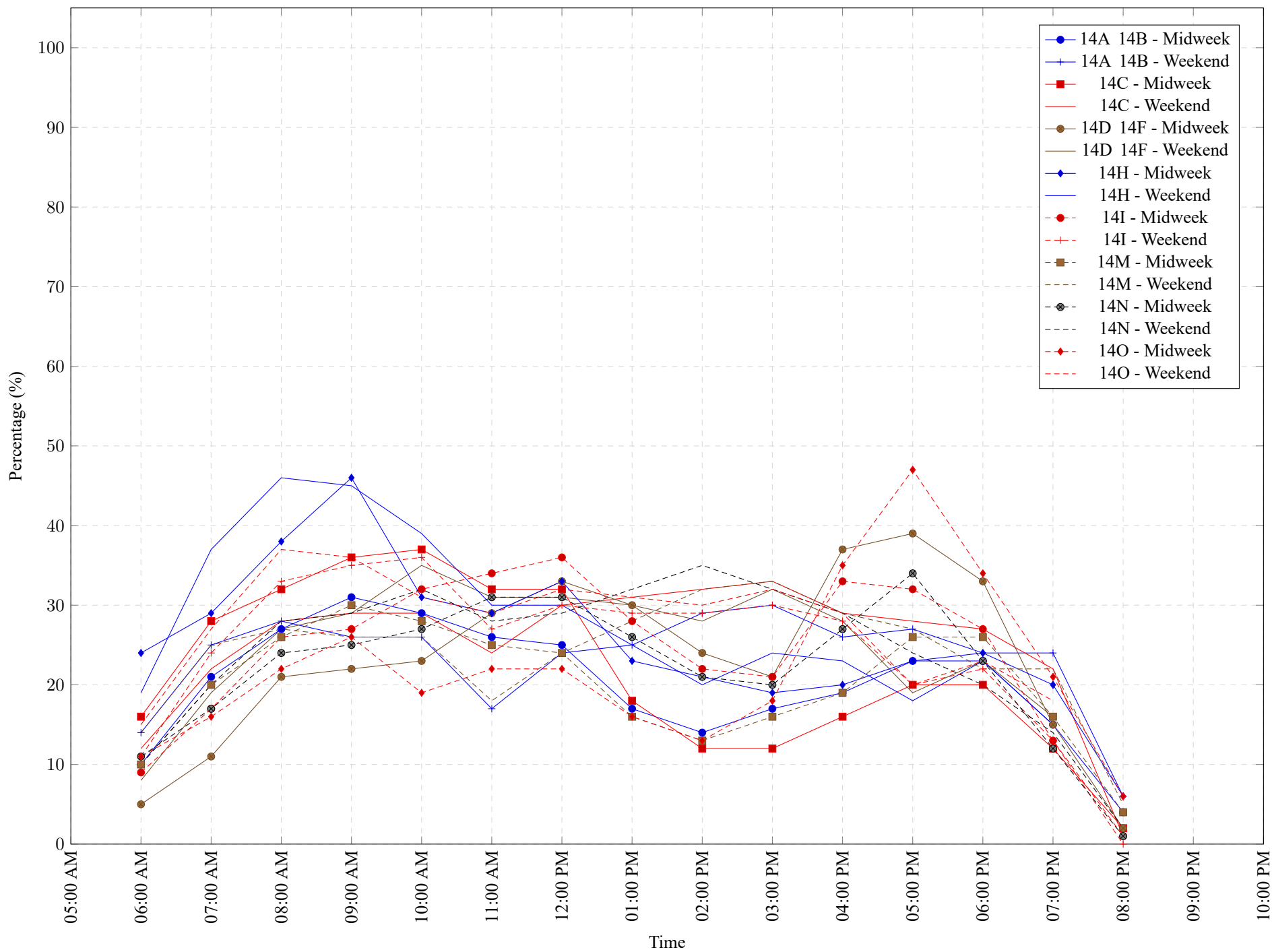


Table 7: Proportion of each day's fishing by hour.

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	10%	21%	27%	31%	29%	26%	25%	17%	14%	17%	19%	23%	23%	15%	4%	0%	0%
14A	14B	Weekend	14%	25%	28%	26%	26%	17%	24%	25%	29%	30%	26%	27%	24%	24%	6%	0%	0%
	14C	Midweek	16%	28%	32%	36%	37%	32%	32%	18%	12%	12%	16%	20%	20%	12%	2%	0%	0%
	14C	Weekend	12%	22%	28%	29%	29%	24%	30%	31%	32%	33%	29%	28%	27%	22%	1%	0%	0%
14D	14F	Midweek	5%	11%	21%	22%	23%	29%	33%	30%	24%	21%	37%	39%	33%	15%	2%	0%	0%
14D	14F	Weekend	8%	19%	27%	29%	35%	31%	31%	30%	28%	32%	28%	19%	23%	16%	0%	0%	0%
	14H	Midweek	24%	29%	38%	46%	31%	29%	33%	23%	21%	19%	20%	23%	24%	20%	6%	0%	0%
	14H	Weekend	19%	37%	46%	45%	39%	30%	30%	25%	20%	24%	23%	18%	23%	15%	0%	0%	0%
	14I	Midweek	9%	17%	26%	27%	32%	34%	36%	28%	22%	21%	33%	32%	27%	13%	1%	0%	0%
	14I	Weekend	11%	24%	33%	35%	36%	27%	30%	29%	29%	30%	28%	20%	22%	13%	0%	0%	0%
	14M	Midweek	10%	20%	26%	30%	28%	25%	24%	16%	13%	16%	19%	26%	26%	16%	4%	0%	0%
	14M	Weekend	14%	25%	27%	26%	26%	18%	24%	28%	32%	33%	29%	27%	22%	22%	5%	0%	0%
	14N	Midweek	11%	17%	24%	25%	27%	31%	31%	26%	21%	20%	27%	34%	23%	12%	1%	0%	0%
	14N	Weekend	10%	20%	28%	29%	32%	28%	29%	32%	35%	32%	29%	24%	20%	14%	2%	0%	0%
	14O	Midweek	11%	16%	22%	26%	19%	22%	22%	16%	13%	18%	35%	47%	34%	21%	6%	0%	0%
	14O	Weekend	15%	27%	37%	36%	31%	29%	32%	31%	30%	32%	29%	20%	23%	18%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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