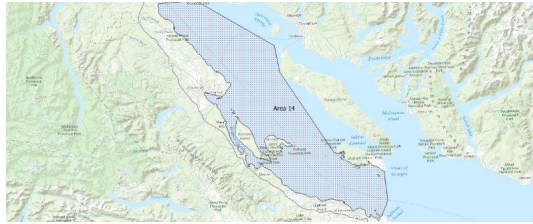


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 14 July 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 10th February, 2024



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	Brown's Bay	Bucaneer	Comox Mun		French Ck		Kitty Coleman		Pacific Play		Schooner		Union Bay			
Date	Day Type	PM	PM	AM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM		
28 Jun 2023	Midweek														1			
29 Jun 2023	Midweek														2			
30 Jun 2023	Midweek				4										1			
01 Jul 2023	Weekend				20										1			
02 Jul 2023	Weekend				3	11												
03 Jul 2023	Weekend														4			
04 Jul 2023	Midweek														1			
05 Jul 2023	Midweek				6													
06 Jul 2023	Midweek																	
07 Jul 2023	Midweek				5													
08 Jul 2023	Weekend				8										3			
09 Jul 2023	Weekend				2											3	3	
10 Jul 2023	Midweek																	
11 Jul 2023	Midweek				3													
12 Jul 2023	Midweek																	
13 Jul 2023	Midweek																	
14 Jul 2023	Midweek				17										1			
15 Jul 2023	Weekend			1														
16 Jul 2023	Weekend				18										4			
17 Jul 2023	Midweek				7										2			
18 Jul 2023	Midweek				3													
19 Jul 2023	Midweek				17													
20 Jul 2023	Midweek				17										2			
21 Jul 2023	Midweek		1												11			
22 Jul 2023	Weekend														1			
23 Jul 2023	Weekend				26													
24 Jul 2023	Midweek																	
25 Jul 2023	Midweek				11										8			
26 Jul 2023	Midweek																	
27 Jul 2023	Midweek				4													
28 Jul 2023	Midweek														2			
29 Jul 2023	Weekend				7										23			
30 Jul 2023	Weekend				13										9			
31 Jul 2023	Midweek				21										10			
01 Aug 2023	Midweek	1			1										8			
02 Aug 2023	Midweek														1			
03 Aug 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-Jun-2023	Wednesday	choppy	1							
29-Jun-2023	Thursday	calm/rippled	2		1			17	1244	47
30-Jun-2023	Friday	choppy	5		9					
01-Jul-2023	Saturday	choppy	25		55			57	1255	128
02-Jul-2023	Sunday	calm/rippled	16	1	19			21	1308	47
03-Jul-2023	Monday (Canada Day)	calm/rippled	9	1	17					
04-Jul-2023	Tuesday	calm/rippled	5		6					
05-Jul-2023	Wednesday	calm/rippled	10		22					
06-Jul-2023	Thursday		3		6					
07-Jul-2023	Friday	choppy	6		7			13	1310	38
08-Jul-2023	Saturday	choppy	14		17			16	1300	36
09-Jul-2023	Sunday	calm/rippled	13		26					
10-Jul-2023	Monday		3		4			3	1313	10
11-Jul-2023	Tuesday	calm/rippled	3		1					
12-Jul-2023	Wednesday		2		1					
13-Jul-2023	Thursday		3		3					
14-Jul-2023	Friday	calm/rippled	29		53			39	1308	127
15-Jul-2023	Saturday	calm/rippled	5	11	12			165	1302	370
16-Jul-2023	Sunday	calm/rippled	53	67	22					
17-Jul-2023	Monday	calm/rippled	13	21	5					
18-Jul-2023	Tuesday	calm/rippled	6	3	3					
19-Jul-2023	Wednesday	calm/rippled	21	29	17			80	1325	262
20-Jul-2023	Thursday	choppy	28	31	25					
21-Jul-2023	Friday	calm/rippled	15	32	14					
22-Jul-2023	Saturday	frequent whitecaps	3	3	5			7	1259	16
23-Jul-2023	Sunday	calm/rippled	30	40	20		1			
24-Jul-2023	Monday		0					0	1227	0
25-Jul-2023	Tuesday	choppy	19	16	16					
26-Jul-2023	Wednesday		2	4	2					
27-Jul-2023	Thursday	calm/rippled	5	6	5					
28-Jul-2023	Friday	calm/rippled	5	13	3			95	1258	292
29-Jul-2023	Saturday	choppy	46	51	34			39	1303	86
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	201
03-Aug-2023	Thursday		1	5						
	Totals	calm/rippled	201	173	207			38*		122*
	Totals	choppy	237	207	239		1	51*		114*

* 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	114	11	1254	0.873	1.008		0.004	1095	1264		5
Midweek	122	20	2440	0.861	1.03			2101	2513		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2023	July	4248	3778	4334	0	7
5-Yr Avg	July	5284	4115	1064	17	3

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	4333	100%	10%	3519	96%	12%	417
Chinook	338	9%	27%	904	26%	10%	91

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	438	3%
iRec Anglers	9295	9%

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

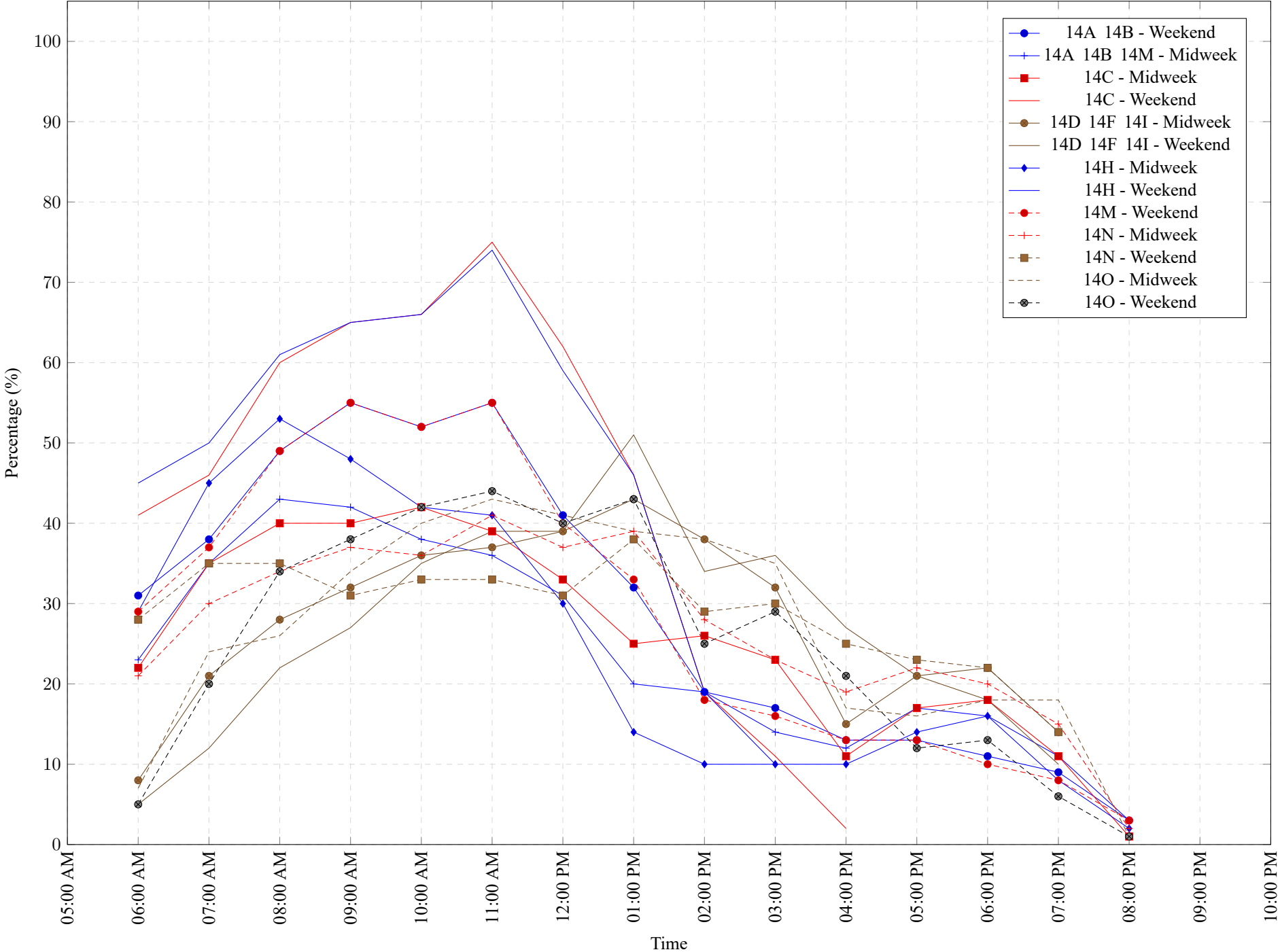


Table 7: Proportion of each day's fishing by hour.

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 14B	Weekend	31%	38%	49%	55%	52%	55%	41%	32%	19%	17%	13%	13%	11%	9%	3%	0%	0%
14A 14B 14M	Midweek	23%	35%	43%	42%	38%	36%	31%	20%	19%	14%	12%	17%	16%	11%	3%	0%	0%
14C	Midweek	22%	35%	40%	40%	42%	39%	33%	25%	26%	23%	11%	17%	18%	11%	1%	0%	0%
14C	Weekend	41%	46%	60%	65%	66%	75%	62%	46%	19%	11%	2%	0%	0%	0%	0%	0%	0%
14D 14F 14I	Midweek	8%	21%	28%	32%	36%	37%	39%	43%	38%	32%	15%	21%	22%	14%	0%	0%	0%
14D 14F 14I	Weekend	5%	12%	22%	27%	35%	39%	39%	51%	34%	36%	27%	21%	18%	10%	0%	0%	0%
14H	Midweek	29%	45%	53%	48%	42%	41%	30%	14%	10%	10%	10%	14%	16%	8%	2%	0%	0%
14H	Weekend	45%	50%	61%	65%	66%	74%	59%	46%	19%	10%	0%	0%	0%	0%	0%	0%	0%
14M	Weekend	29%	37%	49%	55%	52%	55%	40%	33%	18%	16%	13%	13%	10%	8%	3%	0%	0%
14N	Midweek	21%	30%	34%	37%	36%	41%	37%	39%	28%	23%	19%	22%	20%	15%	2%	0%	0%
14N	Weekend	28%	35%	35%	31%	33%	33%	31%	38%	29%	30%	25%	23%	22%	14%	0%	0%	0%
14O	Midweek	7%	24%	26%	34%	40%	43%	41%	39%	38%	35%	17%	16%	18%	18%	1%	0%	0%
14O	Weekend	5%	20%	34%	38%	42%	44%	40%	43%	25%	29%	21%	12%	13%	6%	1%	0%	0%

Table 8: Daily Fishing Conditions.

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