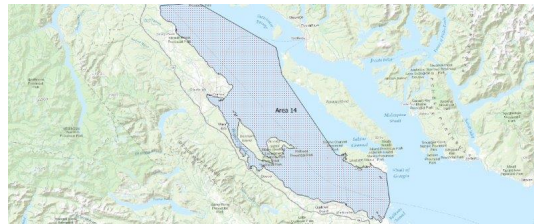


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 14 July 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 10th February, 2022



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

Date	Day Type	Comox Mun		Discovery Marina South PM	French Ck		Kitty Coleman		Pacific Play		Schooner	Westview
		AM	PM		AM	PM	AM	PM	AM	PM	PM	PM
28 Jun 2021	Midweek											
29 Jun 2021	Midweek											
30 Jun 2021	Midweek		4									
01 Jul 2021	Weekend				5			3				
02 Jul 2021	Midweek											
03 Jul 2021	Weekend		1							3		
04 Jul 2021	Weekend											
05 Jul 2021	Midweek							2				
06 Jul 2021	Midweek											
07 Jul 2021	Midweek				1			3				
08 Jul 2021	Midweek		3									
09 Jul 2021	Midweek											
10 Jul 2021	Weekend											
11 Jul 2021	Weekend									6		
12 Jul 2021	Midweek											
13 Jul 2021	Midweek							7				
14 Jul 2021	Midweek		4							2		
15 Jul 2021	Midweek				24							
16 Jul 2021	Midweek											
17 Jul 2021	Weekend					15					1	
18 Jul 2021	Weekend											
19 Jul 2021	Midweek											
20 Jul 2021	Midweek											
21 Jul 2021	Midweek								3			
22 Jul 2021	Midweek						6			14		
23 Jul 2021	Midweek	2										
24 Jul 2021	Weekend	7						21				
25 Jul 2021	Weekend		17				4				3	
26 Jul 2021	Midweek											
27 Jul 2021	Midweek					20						
28 Jul 2021	Midweek											
29 Jul 2021	Midweek											1
30 Jul 2021	Midweek	3								9		
31 Jul 2021	Weekend	7							4			
01 Aug 2021	Weekend			1							4	
02 Aug 2021	Weekend											
03 Aug 2021	Midweek					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-2021	Monday		3					9	1243	28
29-Jun-2021	Tuesday		0							
30-Jun-2021	Wednesday	choppy	5							
01-Jul-2021	Thursday (Canada Day)	choppy	10		1					
02-Jul-2021	Friday		0					14	1202	42
03-Jul-2021	Saturday	frequent whitecaps	7		1			27	1153	70
04-Jul-2021	Sunday		6					44	1151	125
05-Jul-2021	Monday	choppy	5							
06-Jul-2021	Tuesday		0					19	1152	59
07-Jul-2021	Wednesday	frequent whitecaps	8				1			
08-Jul-2021	Thursday	choppy	3		1			33	1155	101
09-Jul-2021	Friday		0							
10-Jul-2021	Saturday		3							
11-Jul-2021	Sunday	calm/rippled	11					40	1154	99
12-Jul-2021	Monday		2							
13-Jul-2021	Tuesday	calm/rippled	10				1			
14-Jul-2021	Wednesday	choppy	9							
15-Jul-2021	Thursday	choppy	30	33	5			95	1201	293
16-Jul-2021	Friday		1	4						
17-Jul-2021	Saturday	choppy	18	20	2			78	1143	232
18-Jul-2021	Sunday		3	8				202	1155	570
19-Jul-2021	Monday		2	5	1					
20-Jul-2021	Tuesday		4	7						
21-Jul-2021	Wednesday	choppy	6	10				62	1137	196
22-Jul-2021	Thursday	choppy	21	33						
23-Jul-2021	Friday	choppy	4	5						
24-Jul-2021	Saturday	calm/rippled	31	48	1					
25-Jul-2021	Sunday	choppy	26	19				103	1144	300
26-Jul-2021	Monday		0							
27-Jul-2021	Tuesday	choppy	21	15	1					
28-Jul-2021	Wednesday		2	4	1			105	1206	325
29-Jul-2021	Thursday	choppy	3	4			1			
30-Jul-2021	Friday	calm/rippled	14	15						
31-Jul-2021	Saturday	choppy	14	12						
01-Aug-2021	Sunday	choppy	7	4	1					
02-Aug-2021	Monday (B.C. Day)		2	5				69	1159	187
03-Aug-2021	Tuesday	frequent whitecaps	4	11						
	Totals	choppy	145	135	9		3	55*		169*
	Totals	choppy	129	107	5			82*		233*

* 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	233	10	2330	0.829	0.039			1932	91		
Midweek	169	21	3549	0.931	0.062		0.021	3304	220		75

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	July	4342	881	2162		14
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
5-Yr Avg	July	5419	2379	1738	17	23

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	231	52%	12%	434	75%	6%	28
Chinook	1072	18%	9%	1112	31%	8%	93

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	270	4%
iRec Anglers	10304	7%

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

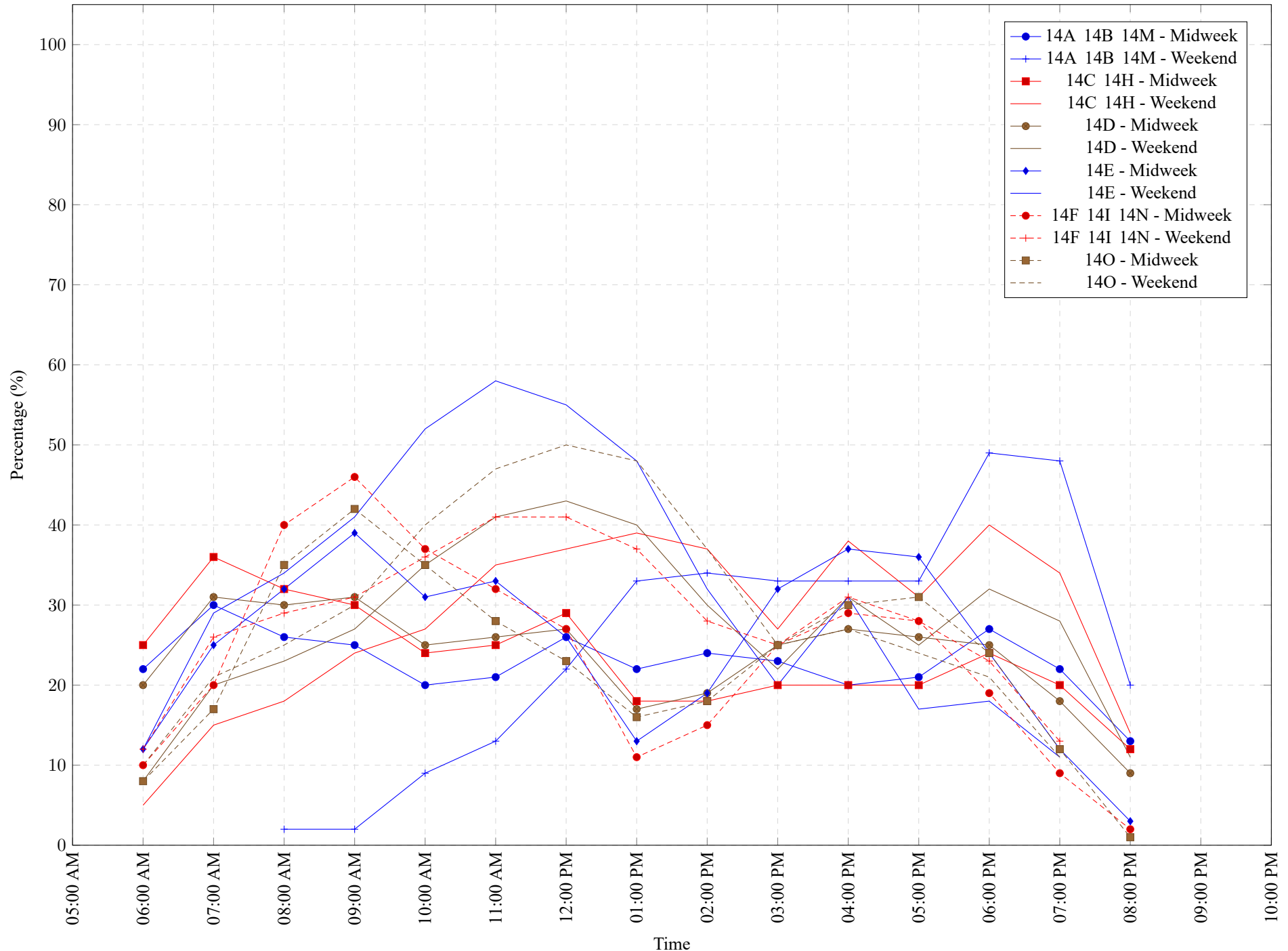


Table 7: Proportion of each day's fishing by hour.

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	22%	30%	26%	25%	20%	21%	26%	22%	24%	23%	20%	21%	27%	22%	13%	0%	0%
14A 14B 14M			Weekend	0%	0%	2%	2%	9%	13%	22%	33%	34%	33%	33%	33%	49%	48%	20%	0%	0%
14C 14H			Midweek	25%	36%	32%	30%	24%	25%	29%	18%	18%	20%	20%	20%	24%	20%	12%	0%	0%
14C 14H			Weekend	5%	15%	18%	24%	27%	35%	37%	39%	37%	27%	38%	31%	40%	34%	14%	0%	0%
14D			Midweek	20%	31%	30%	31%	25%	26%	27%	17%	19%	25%	27%	26%	25%	18%	9%	0%	0%
14D			Weekend	8%	20%	23%	27%	35%	41%	43%	40%	30%	22%	31%	25%	32%	28%	11%	0%	0%
14E			Midweek	12%	25%	32%	39%	31%	33%	26%	13%	19%	32%	37%	36%	24%	12%	3%	0%	0%
14E			Weekend	12%	29%	34%	41%	52%	58%	55%	48%	32%	20%	31%	17%	18%	11%	0%	0%	0%
14F 14I 14N			Midweek	10%	20%	40%	46%	37%	32%	27%	11%	15%	25%	29%	28%	19%	9%	2%	0%	0%
14F 14I 14N			Weekend	12%	26%	29%	31%	36%	41%	41%	37%	28%	25%	31%	28%	23%	13%	0%	0%	0%
14O			Midweek	8%	17%	35%	42%	35%	28%	23%	16%	18%	25%	30%	31%	24%	12%	1%	0%	0%
14O			Weekend	10%	21%	25%	30%	40%	47%	50%	48%	37%	25%	27%	24%	21%	11%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Comox Mun	Discovery Marina South	French Ck	Kitty Coleman	Pacific Play	Schooner	Westview
28 Jun 2021	Midweek	choppy						
29 Jun 2021	Midweek							
30 Jun 2021	Midweek							
01 Jul 2021	Weekend	choppy		choppy	calm/rippled			
02 Jul 2021	Midweek							
03 Jul 2021	Weekend					frequent whitecaps		
04 Jul 2021	Weekend				choppy			
05 Jul 2021	Midweek							
06 Jul 2021	Midweek							
07 Jul 2021	Midweek	choppy		choppy	frequent whitecaps			
08 Jul 2021	Midweek							
09 Jul 2021	Midweek							
10 Jul 2021	Weekend					calm/rippled		
11 Jul 2021	Weekend							
12 Jul 2021	Midweek							
13 Jul 2021	Midweek	calm/rippled			calm/rippled	choppy		
14 Jul 2021	Midweek							
15 Jul 2021	Midweek			choppy				
16 Jul 2021	Midweek						choppy	
17 Jul 2021	Weekend							
18 Jul 2021	Weekend							
19 Jul 2021	Midweek							
20 Jul 2021	Midweek							
21 Jul 2021	Midweek							
22 Jul 2021	Midweek	choppy			choppy	choppy		
23 Jul 2021	Midweek					choppy		
24 Jul 2021	Weekend							
25 Jul 2021	Weekend	calm/rippled			calm/rippled		choppy	
26 Jul 2021	Weekend	choppy			choppy			
27 Jul 2021	Midweek							
28 Jul 2021	Midweek			choppy				
29 Jul 2021	Midweek							
30 Jul 2021	Midweek							
31 Jul 2021	Weekend	calm/rippled				calm/rippled		choppy
01 Aug 2021	Weekend	choppy				choppy		
02 Aug 2021	Weekend							
03 Aug 2021	Midweek				frequent whitecaps			