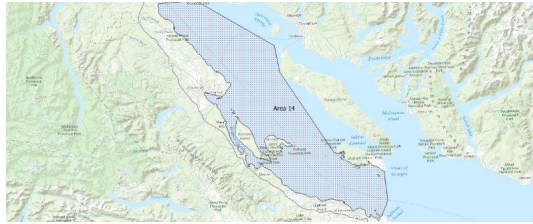


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 14 August 2019



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



Fisheries and Oceans
Canada

Pêches et Océans
Canada

**your
catch
counts**

The logo graphic for 'your catch counts', featuring a stylized blue figure of a person holding a fishing rod, with a fish at the end of the line.

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

		Comox Mun		Deep Bay	Discov- ery Marina South	French Ck		Kitty Coleman		Pacific Play		Schooner
Date	Day Type	AM	PM	PM	PM	AM	PM	AM	PM	AM	PM	PM
29 Jul 2019	Midweek					4						
30 Jul 2019	Midweek									2		
31 Jul 2019	Midweek											
01 Aug 2019	Midweek											
02 Aug 2019	Midweek											
03 Aug 2019	Weekend								19		15	
04 Aug 2019	Weekend						30					
05 Aug 2019	Weekend							11				
06 Aug 2019	Midweek											
07 Aug 2019	Midweek		15									
08 Aug 2019	Midweek					11			7			
09 Aug 2019	Midweek						22					
10 Aug 2019	Weekend	6					22					
11 Aug 2019	Weekend											1
12 Aug 2019	Midweek											
13 Aug 2019	Midweek											
14 Aug 2019	Midweek										7	
15 Aug 2019	Midweek		10									
16 Aug 2019	Midweek											
17 Aug 2019	Weekend											
18 Aug 2019	Weekend						6					
19 Aug 2019	Midweek											
20 Aug 2019	Midweek						11					
21 Aug 2019	Midweek											
22 Aug 2019	Midweek	3										1
23 Aug 2019	Midweek											
24 Aug 2019	Weekend									1		
25 Aug 2019	Weekend					13						
26 Aug 2019	Midweek					11						
27 Aug 2019	Midweek											
28 Aug 2019	Midweek				1							
29 Aug 2019	Midweek	5										
30 Aug 2019	Midweek											
31 Aug 2019	Weekend											
01 Sep 2019	Weekend	7		7			56					
02 Sep 2019	Weekend							7			18	
03 Sep 2019	Midweek					24					3	

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-2019	Monday	choppy	7	8	3	1		45	1205	158
30-Jul-2019	Tuesday	calm/rippled	3	3	1					
31-Jul-2019	Wednesday		1	4						
01-Aug-2019	Thursday		1	5				1	1042	3
02-Aug-2019	Friday		1	4				33	1132	108
03-Aug-2019	Saturday	calm/rippled	36	32	4			69	1105	159
04-Aug-2019	Sunday	choppy	32	10	4					
05-Aug-2019	Monday (B.C. Day)	calm/rippled	14	8	1			169	1107	394
06-Aug-2019	Tuesday		1	4						
07-Aug-2019	Wednesday	calm/rippled	16	10	2			90	1104	286
08-Aug-2019	Thursday	choppy	20	13	2					
09-Aug-2019	Friday	calm/rippled	24	20	1					
10-Aug-2019	Saturday	calm/rippled	30	23	3			121	1106	281
11-Aug-2019	Sunday	frequent whitecaps	2	1	1					
12-Aug-2019	Monday		1	4						
13-Aug-2019	Tuesday		3	6						
14-Aug-2019	Wednesday	calm/rippled	9	6	4			81	1103	259
15-Aug-2019	Thursday	calm/rippled	13	9	1					
16-Aug-2019	Friday		1	3						
17-Aug-2019	Saturday		4	9						
18-Aug-2019	Sunday	large swells	7	3				78	1105	181
19-Aug-2019	Monday		3	7						
20-Aug-2019	Tuesday	frequent whitecaps	12	8						
21-Aug-2019	Wednesday		0							
22-Aug-2019	Thursday	calm/rippled	8	9				48	1103	155
23-Aug-2019	Friday		2	8						
24-Aug-2019	Saturday	calm/rippled	4	6						
25-Aug-2019	Sunday	frequent whitecaps	16	25	3			35	1104	82
26-Aug-2019	Monday	choppy	13	16	3					
27-Aug-2019	Tuesday		1	6	1					
28-Aug-2019	Wednesday	calm/rippled	2	4						
29-Aug-2019	Thursday	calm/rippled	6	5	1			83	1130	272
30-Aug-2019	Friday		1	3						
31-Aug-2019	Saturday		2	4						
01-Sep-2019	Sunday	calm/rippled	74	78	6			103	1314	307
02-Sep-2019	Monday (Labour Day)	calm/rippled	27	26	1					
03-Sep-2019	Tuesday	calm/rippled	27	8	5					
	Totals	calm/rippled	138	150	15			56*		181*
	Totals	choppy	147	121	16			94*		219*

* 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	181	21	3801	1.0870	0.1090			4132	414		
Weekend	219	10	2190	0.8230	0.1090			1802	239		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	August	6467	4707	2875	145	15
2015	August	7246	971	300		
2016	August	3084	1032	1119		
2017	August	6440	3663	1210	5	
2018	August	6968	2670	2337	89	48
2019	August	7607	3651	569		0
5-Yr Avg	August	6041	2609	1568	80	32

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	536	96%	8%	988	93%	4%	43
Chinook	314	9%	20%	430	15%	14%	62

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	282	1%
iRec Anglers	9933	18%
iRec Responses	206	1%

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

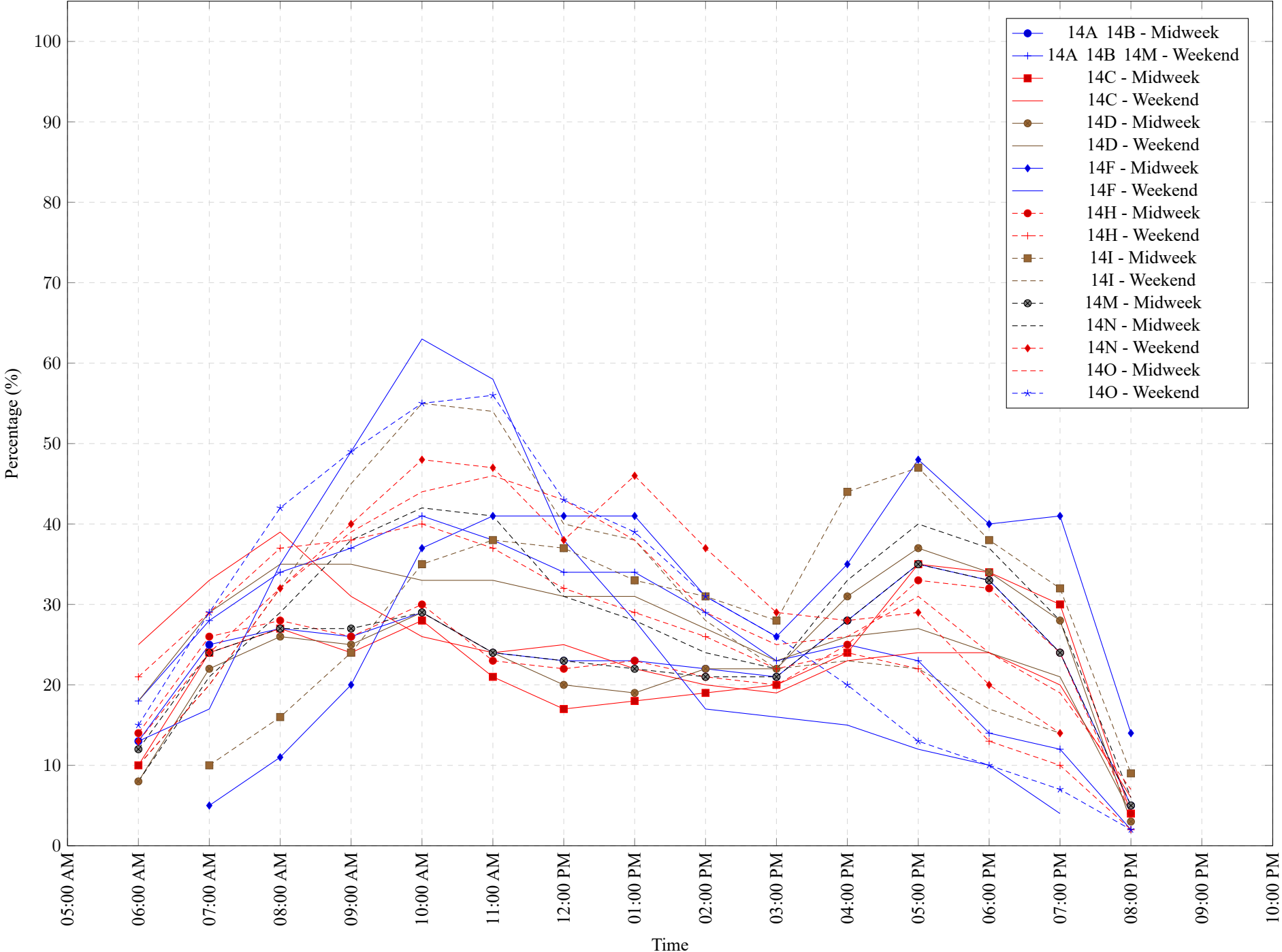


Table 7: Proportion of each day's fishing by hour.

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	13%	25%	27%	26%	29%	24%	23%	23%	22%	21%	28%	35%	33%	24%	5%	0%	0%
14A 14B 14M	Weekend	18%	28%	34%	37%	41%	38%	34%	34%	29%	23%	25%	23%	14%	12%	2%	0%	0%
14C	Midweek	10%	24%	27%	24%	28%	21%	17%	18%	19%	20%	24%	35%	34%	30%	4%	0%	0%
14C	Weekend	25%	33%	39%	31%	26%	24%	25%	22%	20%	19%	23%	24%	24%	20%	6%	0%	0%
14D	Midweek	8%	22%	26%	25%	29%	24%	20%	19%	22%	22%	31%	37%	34%	28%	3%	0%	0%
14D	Weekend	18%	29%	35%	35%	33%	33%	31%	31%	27%	23%	26%	27%	24%	21%	4%	0%	0%
14F	Midweek	0%	5%	11%	20%	37%	41%	41%	41%	31%	26%	35%	48%	40%	41%	14%	0%	0%
14F	Weekend	13%	17%	35%	49%	63%	58%	38%	28%	17%	16%	15%	12%	10%	4%	0%	0%	0%
14H	Midweek	14%	26%	28%	26%	30%	23%	22%	23%	21%	20%	25%	33%	32%	24%	4%	0%	0%
14H	Weekend	21%	29%	37%	38%	40%	37%	32%	29%	26%	22%	24%	22%	13%	10%	2%	0%	0%
14I	Midweek	0%	10%	16%	24%	35%	38%	37%	33%	31%	28%	44%	47%	38%	32%	9%	0%	0%
14I	Weekend	10%	20%	32%	45%	55%	54%	40%	38%	28%	22%	23%	22%	17%	14%	0%	0%	0%
14M	Midweek	12%	24%	27%	27%	29%	24%	23%	22%	21%	21%	28%	35%	33%	24%	5%	0%	0%
14N	Midweek	8%	21%	29%	38%	42%	41%	31%	28%	24%	22%	33%	40%	37%	28%	6%	0%	0%
14N	Weekend	13%	24%	32%	40%	48%	47%	38%	46%	37%	29%	28%	29%	20%	14%	0%	0%	0%
14O	Midweek	10%	20%	32%	39%	44%	46%	43%	38%	29%	25%	26%	31%	24%	19%	7%	0%	0%
14O	Weekend	15%	29%	42%	49%	55%	56%	43%	39%	31%	26%	20%	13%	10%	7%	2%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Comox Mun	Deep Bay	Discovery Marina South	French Ck	Kitty Coleman	Pacific Play	Schooner
29 Jul 2019	Midweek				choppy			
30 Jul 2019	Midweek						calm/rippled	
31 Jul 2019	Midweek							
01 Aug 2019	Midweek							
02 Aug 2019	Midweek							
03 Aug 2019	Weekend					calm/rippled	calm/rippled	
04 Aug 2019	Weekend				choppy			
05 Aug 2019	Weekend					calm/rippled		
06 Aug 2019	Midweek							
07 Aug 2019	Midweek	calm/rippled						
08 Aug 2019	Midweek				frequent whitecaps	calm/rippled		
09 Aug 2019	Midweek				calm/rippled			
10 Aug 2019	Weekend	calm/rippled			choppy			
11 Aug 2019	Weekend							frequent whitecaps
12 Aug 2019	Midweek							
13 Aug 2019	Midweek							
14 Aug 2019	Midweek						calm/rippled	
15 Aug 2019	Midweek	calm/rippled						
16 Aug 2019	Midweek							
17 Aug 2019	Weekend							
18 Aug 2019	Weekend				large swells			
19 Aug 2019	Midweek							
20 Aug 2019	Midweek				frequent whitecaps			
21 Aug 2019	Midweek							
22 Aug 2019	Midweek	calm/rippled						choppy
23 Aug 2019	Midweek							
24 Aug 2019	Weekend						calm/rippled	
25 Aug 2019	Weekend				frequent whitecaps			
26 Aug 2019	Midweek				choppy			
27 Aug 2019	Midweek							
28 Aug 2019	Midweek			calm/rippled				
29 Aug 2019	Midweek	calm/rippled						
30 Aug 2019	Midweek							
31 Aug 2019	Weekend							
01 Sep 2019	Weekend	calm/rippled	calm/rippled		calm/rippled			
02 Sep 2019	Weekend					calm/rippled	calm/rippled	
03 Sep 2019	Midweek				calm/rippled		calm/rippled	