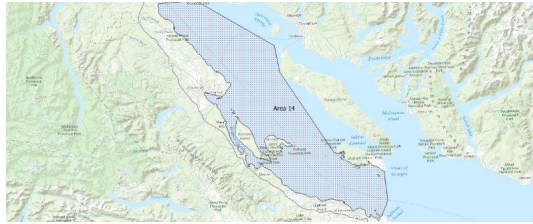


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 14 July 2019



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 27th August, 2020



Fisheries and Oceans
Canada

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Canada



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

Date	Day Type	Comox Mun		French Ck		Kitty Coleman		Pacific Play		Schooner	Westview
		AM	PM	AM	PM	AM	PM	AM	PM	PM	AM
28 Jun 2019	Midweek										
29 Jun 2019	Weekend										
30 Jun 2019	Weekend										1
01 Jul 2019	Weekend		14								
02 Jul 2019	Midweek										
03 Jul 2019	Midweek				11						
04 Jul 2019	Midweek								7		
05 Jul 2019	Midweek		2								
06 Jul 2019	Weekend								3		
07 Jul 2019	Weekend					4				1	
08 Jul 2019	Midweek	3									
09 Jul 2019	Midweek			10							
10 Jul 2019	Midweek										
11 Jul 2019	Midweek										
12 Jul 2019	Midweek					2					
13 Jul 2019	Weekend										
14 Jul 2019	Weekend		4	14							
15 Jul 2019	Midweek										
16 Jul 2019	Midweek										
17 Jul 2019	Midweek										
18 Jul 2019	Midweek		11								
19 Jul 2019	Midweek				25	14					
20 Jul 2019	Weekend				41						
21 Jul 2019	Weekend							9			
22 Jul 2019	Midweek		8								
23 Jul 2019	Midweek								10		
24 Jul 2019	Midweek	2									
25 Jul 2019	Midweek										
26 Jul 2019	Midweek									1	
27 Jul 2019	Weekend	5									
28 Jul 2019	Weekend										
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			

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-2019	Friday		2		2					
29-Jun-2019	Saturday		1		1			66	1157	147
30-Jun-2019	Sunday	calm/rippled	2							
01-Jul-2019	Monday (Canada Day)	calm/rippled	15		1					
02-Jul-2019	Tuesday		1							
03-Jul-2019	Wednesday	frequent whitecaps	11		1					
04-Jul-2019	Thursday	calm/rippled	8		3			27	1213	69
05-Jul-2019	Friday	calm/rippled	5	2	1					
06-Jul-2019	Saturday	frequent whitecaps	3		1			14	1239	32
07-Jul-2019	Sunday	choppy	6		1			3	1128	7
08-Jul-2019	Monday	calm/rippled	4		4					
09-Jul-2019	Tuesday	calm/rippled	10	1	8			30	1209	76
10-Jul-2019	Wednesday		0							
11-Jul-2019	Thursday		1		1					
12-Jul-2019	Friday	calm/rippled	4		1					
13-Jul-2019	Saturday		1		2					
14-Jul-2019	Sunday	calm/rippled	22	2	7			48	1210	109
15-Jul-2019	Monday		5	10						
16-Jul-2019	Tuesday		3	10				98	1159	231
17-Jul-2019	Wednesday		2	3						
18-Jul-2019	Thursday	calm/rippled	14	8	2			84	1203	206
19-Jul-2019	Friday	calm/rippled	42	52	8			76	1156	181
20-Jul-2019	Saturday	calm/rippled	44	54	13					
21-Jul-2019	Sunday	calm/rippled	12	15	4			127	1200	283
22-Jul-2019	Monday	frequent whitecaps	9	6	2					
23-Jul-2019	Tuesday	choppy	13	19	3					
24-Jul-2019	Wednesday	calm/rippled	4	10	8					
25-Jul-2019	Thursday		2	3	2			69	1201	165
26-Jul-2019	Friday	choppy	5	7	2					
27-Jul-2019	Saturday	calm/rippled	7	6	2			105	1202	236
28-Jul-2019	Sunday		2	4	1					
29-Jul-2019	Monday	choppy	7	8	3	1		45	1205	111
30-Jul-2019	Tuesday	calm/rippled	3	3	1					
31-Jul-2019	Wednesday		1	4						
01-Aug-2019	Thursday		1	5				1	1042	2
02-Aug-2019	Friday		1	4				33	1132	76
03-Aug-2019	Saturday	calm/rippled	36	32	4			69	1105	142
	Totals	choppy	154	146	50	1		61*		148*
	Totals	calm/rippled	112	81	32			59*		133*

* 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	133	9	1197	0.7230	0.2860			865	342		
Midweek	148	22	3256	0.9480	0.3250	0.0060		3087	1058	20	

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	July	3133	1150	456		
2015	July	3758	1216	243		1
2016	July	4342	881	2162		14
2017	July	7169	1897	1706		76
2018	July	4881	2168	1677		
2019	July	5419	3593	2151	34	0
5-Yr Avg	July	4657	1462	1249		30

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	2138	100%	4%	1183	96%	7%	77
Chinook	949	27%	7%	543	24%	12%	66

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	258	2%
iRec Anglers	8375	15%
iRec Responses	217	6%

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

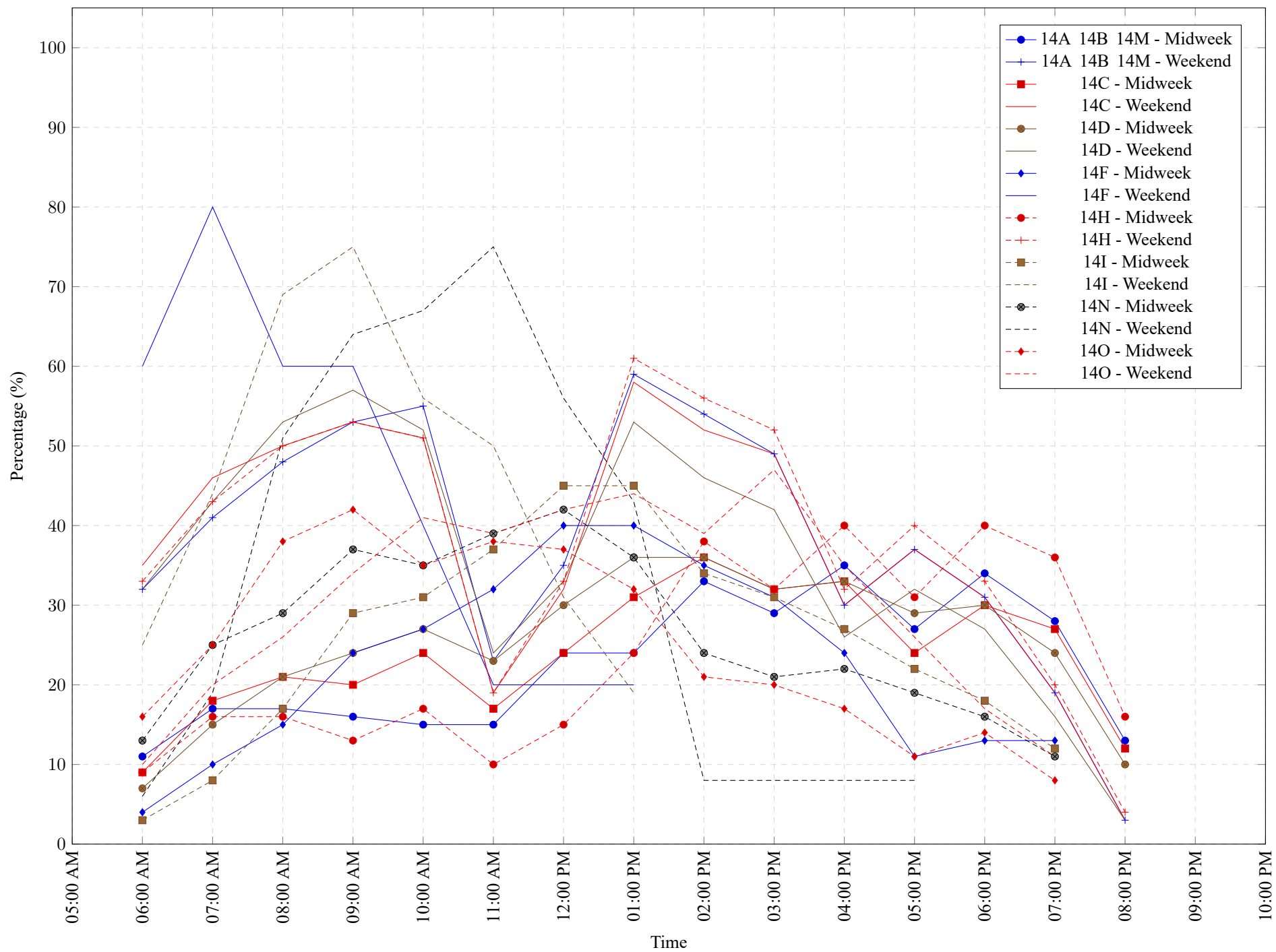


Table 7: Proportion of each day's fishing by hour.

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	11%	17%	17%	16%	15%	15%	24%	24%	33%	29%	35%	27%	34%	28%	13%	0%	0%
14A	14B	14M	Weekend	32%	41%	48%	53%	55%	23%	35%	59%	54%	49%	30%	37%	31%	19%	3%	0%	0%
	14C		Midweek	9%	18%	21%	20%	24%	17%	24%	31%	36%	32%	33%	24%	30%	27%	12%	0%	0%
	14C		Weekend	35%	46%	50%	53%	51%	19%	32%	58%	52%	49%	30%	37%	31%	19%	3%	0%	0%
	14D		Midweek	7%	15%	21%	24%	27%	23%	30%	36%	36%	32%	33%	29%	30%	24%	10%	0%	0%
	14D		Weekend	32%	43%	53%	57%	52%	24%	33%	53%	46%	42%	26%	32%	27%	16%	3%	0%	0%
	14F		Midweek	4%	10%	15%	24%	27%	32%	40%	40%	35%	31%	24%	11%	13%	13%	0%	0%	0%
	14F		Weekend	60%	80%	60%	60%	40%	20%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	14H		Midweek	9%	16%	16%	13%	17%	10%	15%	24%	38%	32%	40%	31%	40%	36%	16%	0%	0%
	14H		Weekend	33%	43%	50%	53%	51%	19%	33%	61%	56%	52%	32%	40%	33%	20%	4%	0%	0%
	14I		Midweek	3%	8%	17%	29%	31%	37%	45%	45%	34%	31%	27%	22%	18%	12%	0%	0%	0%
	14I		Weekend	25%	44%	69%	75%	56%	50%	31%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	14N		Midweek	13%	25%	29%	37%	35%	39%	42%	36%	24%	21%	22%	19%	16%	11%	0%	0%	0%
	14N		Weekend	6%	19%	51%	64%	67%	75%	56%	43%	8%	8%	8%	8%	0%	0%	0%	0%	0%
	14O		Midweek	16%	25%	38%	42%	35%	38%	37%	32%	21%	20%	17%	11%	14%	8%	0%	0%	0%
	14O		Weekend	10%	20%	26%	34%	41%	39%	42%	44%	39%	47%	35%	26%	17%	11%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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