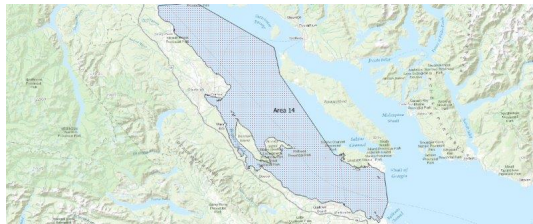


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 14 July 2020



Prepared By:
South Coast Salmon Stock Assessment Section

Tuesday 2nd February, 2021



Fisheries and Oceans
Canada

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Canada



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

		Comox Mun		Discov- ery Marina South PM	French Ck		Kitty Coleman		Lund	Pacific Play		Pender Harbour Resort	Schooner
Date	Day Type	AM	PM		AM	PM	AM	PM	PM	AM	PM	PM	PM
28 Jun 2020	Weekend												
29 Jun 2020	Midweek												
30 Jun 2020	Midweek												
01 Jul 2020	Weekend			1									
02 Jul 2020	Midweek												
03 Jul 2020	Midweek					1							
04 Jul 2020	Weekend												2
05 Jul 2020	Weekend		24										
06 Jul 2020	Midweek												
07 Jul 2020	Midweek												
08 Jul 2020	Midweek												
09 Jul 2020	Midweek												
10 Jul 2020	Midweek		1										
11 Jul 2020	Weekend												
12 Jul 2020	Weekend			1							7		
13 Jul 2020	Midweek												
14 Jul 2020	Midweek					14							
15 Jul 2020	Midweek												
16 Jul 2020	Midweek												
17 Jul 2020	Midweek							4					
18 Jul 2020	Weekend					31						1	
19 Jul 2020	Weekend				7								
20 Jul 2020	Midweek				10								
21 Jul 2020	Midweek												1
22 Jul 2020	Midweek		17										
23 Jul 2020	Midweek	4						15		2			
24 Jul 2020	Midweek												
25 Jul 2020	Weekend		20										
26 Jul 2020	Weekend	4						16					
27 Jul 2020	Midweek												
28 Jul 2020	Midweek					31							
29 Jul 2020	Midweek				37		8						
30 Jul 2020	Midweek							23					
31 Jul 2020	Midweek												
01 Aug 2020	Weekend				23			11	1				
02 Aug 2020	Weekend												
03 Aug 2020	Weekend												

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-2020	Sunday		1		2					
29-Jun-2020	Monday		1					22	1224	88
30-Jun-2020	Tuesday		2							
01-Jul-2020	Wednesday (Canada Day)	frequent whitecaps	2					23	1138	67
02-Jul-2020	Thursday		1							
03-Jul-2020	Friday	choppy	2					17	1131	53
04-Jul-2020	Saturday	calm/rippled	3					75	1133	228
05-Jul-2020	Sunday	calm/rippled	26					72	1133	216
06-Jul-2020	Monday		0							
07-Jul-2020	Tuesday		0					4	1122	12
08-Jul-2020	Wednesday		1							
09-Jul-2020	Thursday		1							
10-Jul-2020	Friday	frequent whitecaps	2							
11-Jul-2020	Saturday		0					12	1140	36
12-Jul-2020	Sunday	calm/rippled	9							
13-Jul-2020	Monday		1		1					
14-Jul-2020	Tuesday	calm/rippled	14							
15-Jul-2020	Wednesday		6	9				118	1127	370
16-Jul-2020	Thursday		1	4						
17-Jul-2020	Friday	frequent whitecaps	5	7				19	1125	60
18-Jul-2020	Saturday	choppy	34	48	19			83	1125	256
19-Jul-2020	Sunday	frequent whitecaps	7	9	8					
20-Jul-2020	Monday	choppy	12	9	5					
21-Jul-2020	Tuesday	frequent whitecaps	6	12				93	1123	292
22-Jul-2020	Wednesday	calm/rippled	22	24						
23-Jul-2020	Thursday	choppy	24	17	1					
24-Jul-2020	Friday		3	7						
25-Jul-2020	Saturday	calm/rippled	24	21	4			94	1127	287
26-Jul-2020	Sunday	calm/rippled	22	13	1					
27-Jul-2020	Monday		1	3						
28-Jul-2020	Tuesday	choppy	34	26	10			49	1115	154
29-Jul-2020	Wednesday	choppy	47	46	21					
30-Jul-2020	Thursday	calm/rippled	24	17	3					
31-Jul-2020	Friday		1	5						
01-Aug-2020	Saturday	choppy	37	36	23			142	1017	529
02-Aug-2020	Sunday		1	5						
03-Aug-2020	Monday (B.C. Day)		2	6						
	Totals	choppy	208	186	41			50*		157*
	Totals	choppy	127	91	32			60*		182*

* 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	157	22	3454	0.8940	0.1970			3088	680		
Weekend	182	9	1638	0.7170	0.2520			1174	413		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2020	July	5282	3357	996	0	0
5-Yr Avg	July	5114	1951	1588	34	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
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Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	335	2%
iRec Anglers	8572	6%

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

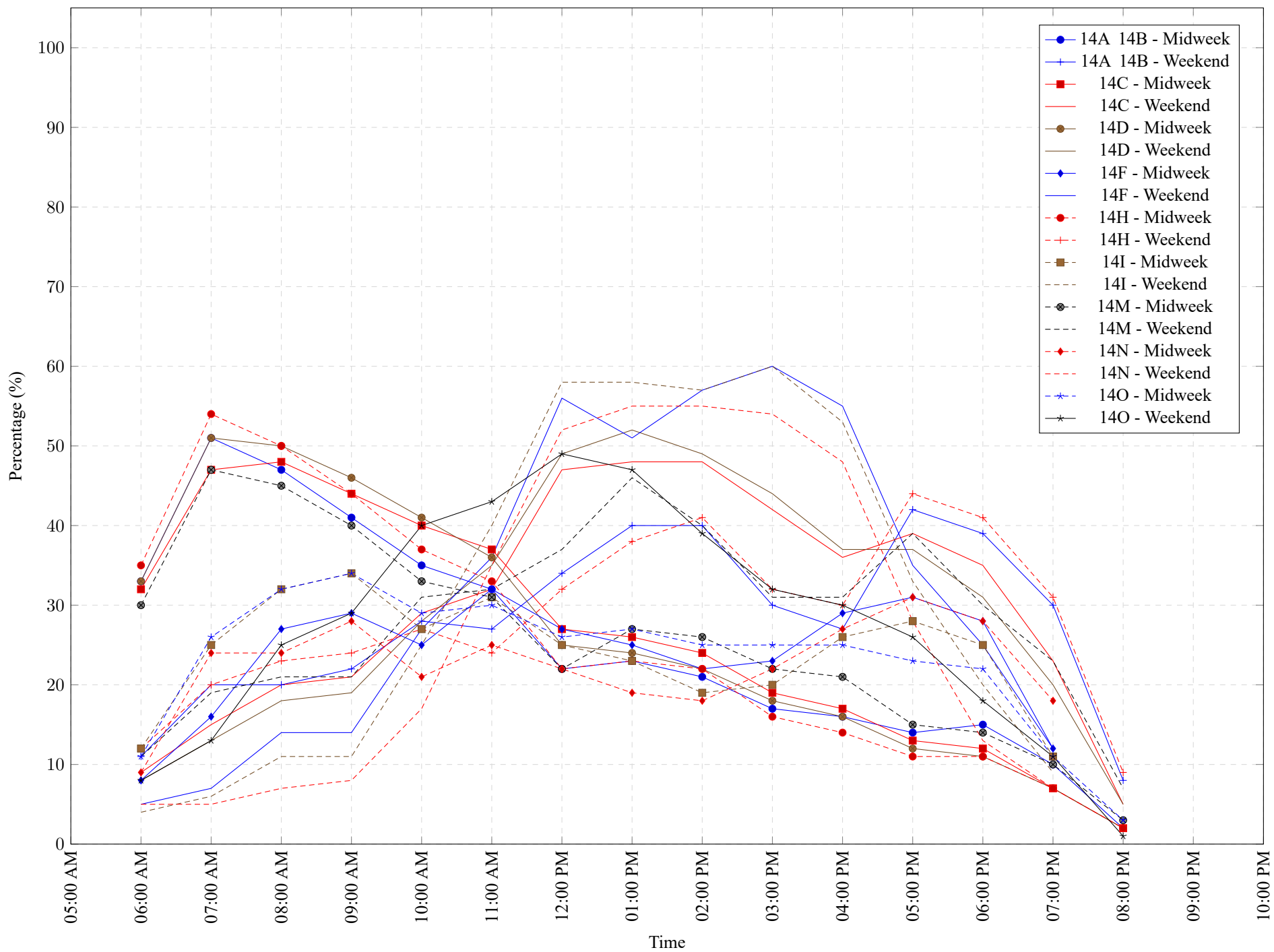


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00	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	Midweek	33%	51%	47%	41%	35%	32%	22%	23%	21%	17%	16%	14%	15%	10%	2%	0%	0%
14A 14B	Weekend	11%	20%	20%	22%	28%	27%	34%	40%	40%	30%	27%	42%	39%	30%	8%	0%	0%
14C	Midweek	32%	47%	48%	44%	40%	37%	27%	26%	24%	19%	17%	13%	12%	7%	2%	0%	0%
14C	Weekend	9%	15%	20%	21%	29%	32%	47%	48%	48%	42%	36%	39%	35%	23%	5%	0%	0%
14D	Midweek	33%	51%	50%	46%	41%	36%	25%	24%	22%	18%	16%	12%	11%	7%	2%	0%	0%
14D	Weekend	8%	13%	18%	19%	28%	35%	49%	52%	49%	44%	37%	37%	31%	20%	5%	0%	0%
14F	Midweek	8%	16%	27%	29%	25%	32%	27%	25%	22%	23%	29%	31%	28%	12%	0%	0%	0%
14F	Weekend	5%	7%	14%	14%	27%	36%	56%	51%	57%	60%	55%	35%	25%	12%	0%	0%	0%
14H	Midweek	35%	54%	50%	44%	37%	33%	22%	23%	22%	16%	14%	11%	11%	7%	2%	0%	0%
14H	Weekend	12%	20%	23%	24%	27%	24%	32%	38%	41%	32%	30%	44%	41%	31%	9%	0%	0%
14I	Midweek	12%	25%	32%	34%	27%	31%	25%	23%	19%	20%	26%	28%	25%	11%	0%	0%	0%
14I	Weekend	4%	6%	11%	11%	25%	40%	58%	58%	57%	60%	53%	33%	20%	9%	0%	0%	0%
14M	Midweek	30%	47%	45%	40%	33%	31%	22%	27%	26%	22%	21%	15%	14%	10%	3%	0%	0%
14M	Weekend	11%	19%	21%	21%	31%	32%	37%	46%	40%	31%	31%	39%	30%	23%	7%	0%	0%
14N	Midweek	9%	24%	24%	28%	21%	25%	22%	19%	18%	22%	27%	31%	28%	18%	0%	0%	0%
14N	Weekend	5%	5%	7%	8%	17%	35%	52%	55%	55%	54%	48%	28%	13%	7%	0%	0%	0%
14O	Midweek	11%	26%	32%	34%	29%	30%	26%	27%	25%	25%	25%	23%	22%	11%	3%	0%	0%
14O	Weekend	8%	13%	25%	29%	40%	43%	49%	47%	39%	32%	30%	26%	18%	11%	1%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Comox Mun	Discovery Marina South	French Ck	Kitty Coleman	Lund	Pacific Play	Pender Harbour Resort	Schooner
28 Jun 2020	Weekend								
29 Jun 2020	Midweek								
30 Jun 2020	Midweek								
01 Jul 2020	Weekend		frequent whitecaps						
02 Jul 2020	Midweek								
03 Jul 2020	Midweek			choppy					
04 Jul 2020	Weekend								calm/rippled
05 Jul 2020	Weekend	calm/rippled							
06 Jul 2020	Midweek								
07 Jul 2020	Midweek								
08 Jul 2020	Midweek								
09 Jul 2020	Midweek								
10 Jul 2020	Midweek	frequent whitecaps							
11 Jul 2020	Weekend								
12 Jul 2020	Weekend		calm/rippled				calm/rippled		
13 Jul 2020	Midweek								
14 Jul 2020	Midweek			calm/rippled					
15 Jul 2020	Midweek								
16 Jul 2020	Midweek								
17 Jul 2020	Midweek				frequent whitecaps				
18 Jul 2020	Weekend			choppy				choppy	
19 Jul 2020	Weekend			frequent whitecaps					
20 Jul 2020	Midweek			choppy					
21 Jul 2020	Midweek								frequent whitecaps
22 Jul 2020	Midweek	calm/rippled							
23 Jul 2020	Midweek	choppy			choppy		calm/rippled		
24 Jul 2020	Midweek								
25 Jul 2020	Weekend	calm/rippled							
26 Jul 2020	Weekend	calm/rippled			calm/rippled				
27 Jul 2020	Midweek								
28 Jul 2020	Midweek			choppy					
29 Jul 2020	Midweek			choppy	calm/rippled				
30 Jul 2020	Midweek				calm/rippled				
31 Jul 2020	Midweek								
01 Aug 2020	Weekend			choppy	choppy	choppy			
02 Aug 2020	Weekend								
03 Aug 2020	Weekend								