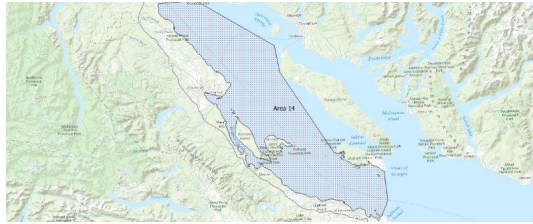


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 14 August 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Friday 11th February, 2022



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

		Comox Mun		Discov- ery Marina South	French Ck		Kitty Coleman		Lund	Pacific Play		Pender Harbour Resort	Schooner		Westview	
Date	Day Type	AM	PM	PM	AM	PM	AM	PM	AM	AM	PM	PM	AM	PM	AM	PM
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										
04 Aug 2021	Midweek										8					
05 Aug 2021	Midweek	4						11								
06 Aug 2021	Midweek															
07 Aug 2021	Weekend															
08 Aug 2021	Weekend		19					22								
09 Aug 2021	Midweek															
10 Aug 2021	Midweek															
11 Aug 2021	Midweek		3													
12 Aug 2021	Midweek							15								
13 Aug 2021	Midweek															
14 Aug 2021	Weekend	12								3						
15 Aug 2021	Weekend		17							4						
16 Aug 2021	Midweek															
17 Aug 2021	Midweek	2														
18 Aug 2021	Midweek						2									
19 Aug 2021	Midweek		6		5											
20 Aug 2021	Midweek															
21 Aug 2021	Weekend					59					12	1				
22 Aug 2021	Weekend	5					2									
23 Aug 2021	Midweek					8				3						
24 Aug 2021	Midweek															
25 Aug 2021	Midweek		11		26		4								2	
26 Aug 2021	Midweek															
27 Aug 2021	Midweek															
28 Aug 2021	Weekend						5		1					8		
29 Aug 2021	Weekend					26		11								
30 Aug 2021	Midweek															
31 Aug 2021	Midweek					11				5						
01 Sep 2021	Midweek				21		2				11					
02 Sep 2021	Midweek	9														
03 Sep 2021	Midweek		21													

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-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	184
03-Aug-2021	Tuesday	frequent whitecaps	4	11						
04-Aug-2021	Wednesday	calm/rippled	9	11	2					
05-Aug-2021	Thursday	choppy	17	18				63	1209	201
06-Aug-2021	Friday		2	5						
07-Aug-2021	Saturday		1		1			9	1131	24
08-Aug-2021	Sunday	calm/rippled	43	34	2			69	1144	181
09-Aug-2021	Monday		2	7				24	1120	70
10-Aug-2021	Tuesday		2	9						
11-Aug-2021	Wednesday	choppy	5	8						
12-Aug-2021	Thursday	calm/rippled	19	29						
13-Aug-2021	Friday		3	10				89	1151	276
14-Aug-2021	Saturday	calm/rippled	17	23	2			133	1158	349
15-Aug-2021	Sunday	choppy	23	20	1					
16-Aug-2021	Monday		1	6						
17-Aug-2021	Tuesday	choppy	5	9	2					
18-Aug-2021	Wednesday	calm/rippled	4	7				50	1130	155
19-Aug-2021	Thursday	choppy	14	20						
20-Aug-2021	Friday		3	8						
21-Aug-2021	Saturday	choppy	73	44	2		2			
22-Aug-2021	Sunday	choppy	9	4				70	1141	181
23-Aug-2021	Monday	choppy	13	16						
24-Aug-2021	Tuesday		2	3				67	1154	212
25-Aug-2021	Wednesday	choppy	45	22	3					
26-Aug-2021	Thursday		0							
27-Aug-2021	Friday		2	1						
28-Aug-2021	Saturday	calm/rippled	16	11				202	1145	524
29-Aug-2021	Sunday	choppy	38	34	1					
30-Aug-2021	Monday		3	6				51	1148	161
31-Aug-2021	Tuesday	choppy	18	21						
01-Sep-2021	Wednesday	choppy	36	48	1					
02-Sep-2021	Thursday	choppy	10	11				65	1243	219
03-Sep-2021	Friday	choppy	23	16	5					
	Totals	choppy	173	227	7			57*		179*
	Totals	choppy	229	179	10		2	92*		241*

* 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	241	10	2410	0.782	0.044		0.009	1885	106		22
Midweek	179	21	3759	1.312	0.04			4932	150		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	August	3084	1032	1119		
2017	August	6440	3663	1210	5	
2018	August	6968	2670	2337	89	48
2019	August	7607	3651	569		0
2020	August	8431	5075	965		3
2021	August	7068	5710	255		9
5-Yr Avg	August	6506	3218	1240	47	17

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	232	91%	7%	211	55%	8%	17
Chinook	602	11%	15%	592	18%	15%	90

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	401	3%
iRec Anglers	9472	13%

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

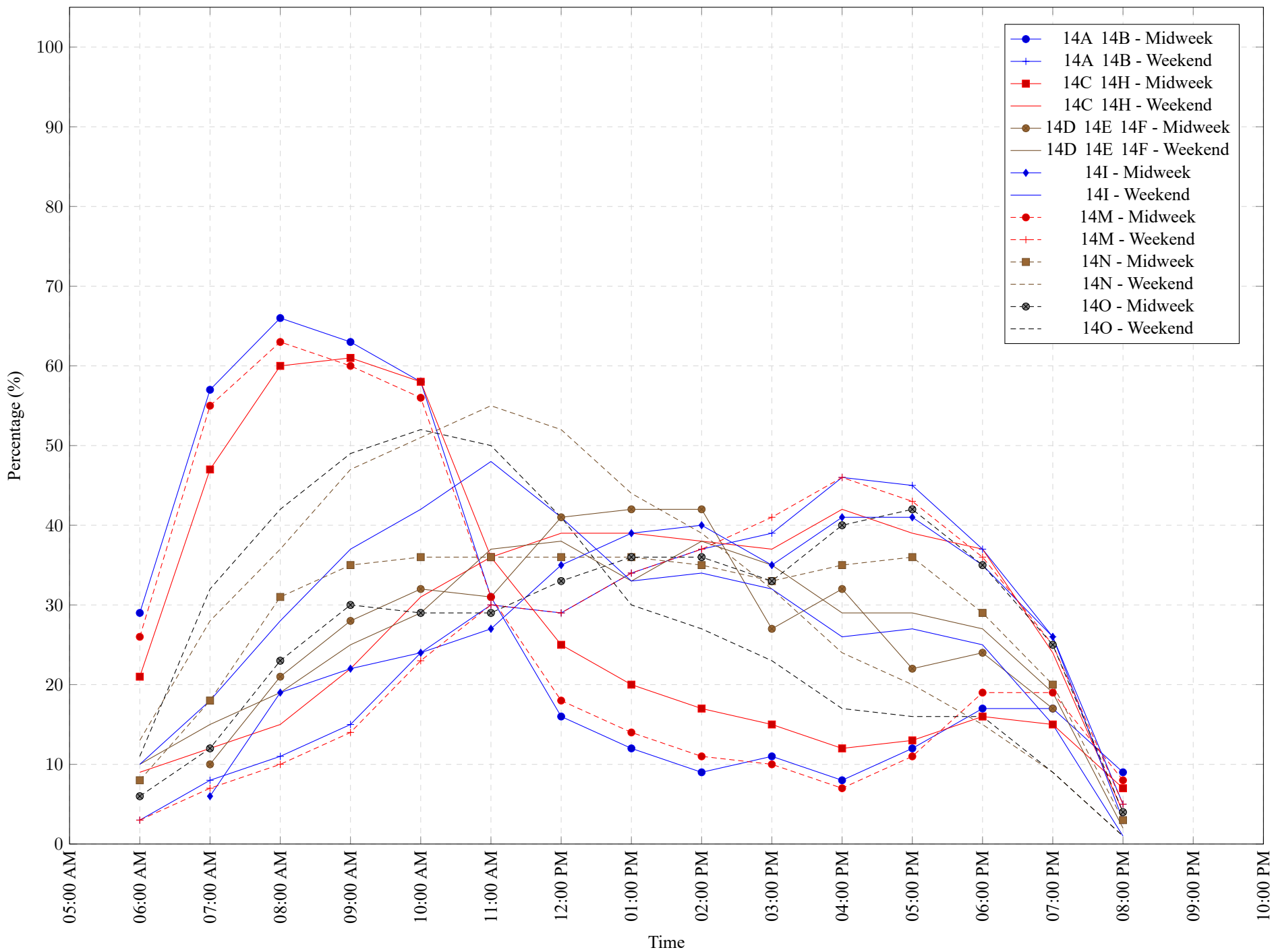


Table 7: Proportion of each day's fishing by hour.

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	29%	57%	66%	63%	58%	31%	16%	12%	9%	11%	8%	12%	17%	17%	9%	0%	0%
14A 14B	Weekend	3%	8%	11%	15%	24%	30%	29%	34%	37%	39%	46%	45%	37%	26%	5%	0%	0%
14C 14H	Midweek	21%	47%	60%	61%	58%	36%	25%	20%	17%	15%	12%	13%	16%	15%	7%	0%	0%
14C 14H	Weekend	9%	12%	15%	22%	31%	36%	39%	39%	38%	37%	42%	39%	37%	24%	4%	0%	0%
14D 14E 14F	Midweek	0%	10%	21%	28%	32%	31%	41%	42%	42%	27%	32%	22%	24%	17%	0%	0%	0%
14D 14E 14F	Weekend	10%	15%	19%	25%	29%	37%	38%	33%	38%	35%	29%	29%	27%	19%	2%	0%	0%
14I	Midweek	0%	6%	19%	22%	24%	27%	35%	39%	40%	35%	41%	41%	35%	26%	3%	0%	0%
14I	Weekend	10%	18%	28%	37%	42%	48%	41%	33%	34%	32%	26%	27%	25%	15%	1%	0%	0%
14M	Midweek	26%	55%	63%	60%	56%	31%	18%	14%	11%	10%	7%	11%	19%	19%	8%	0%	0%
14M	Weekend	3%	7%	10%	14%	23%	30%	29%	34%	37%	41%	46%	43%	36%	25%	5%	0%	0%
14N	Midweek	8%	18%	31%	35%	36%	36%	36%	36%	35%	33%	35%	36%	29%	20%	3%	0%	0%
14N	Weekend	13%	28%	37%	47%	51%	55%	52%	44%	39%	32%	24%	20%	15%	9%	1%	0%	0%
14O	Midweek	6%	12%	23%	30%	29%	29%	33%	36%	36%	33%	40%	42%	35%	25%	4%	0%	0%
14O	Weekend	11%	32%	42%	49%	52%	50%	41%	30%	27%	23%	17%	16%	16%	9%	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	Westview
29 Jul 2021	Midweek									choppy
30 Jul 2021	Midweek	calm/rippled					calm/rippled			
31 Jul 2021	Weekend	choppy					choppy			
01 Aug 2021	Weekend		calm/rippled						choppy	
02 Aug 2021	Weekend									
03 Aug 2021	Midweek			frequent whitecaps						
04 Aug 2021	Midweek						calm/rippled			
05 Aug 2021	Midweek	calm/rippled			frequent whitecaps					
06 Aug 2021	Midweek									
07 Aug 2021	Weekend									
08 Aug 2021	Weekend	choppy			calm/rippled					
09 Aug 2021	Midweek									
10 Aug 2021	Midweek									
11 Aug 2021	Midweek	choppy								
12 Aug 2021	Midweek				calm/rippled					
13 Aug 2021	Midweek									
14 Aug 2021	Weekend	choppy					calm/rippled			
15 Aug 2021	Weekend	choppy					calm/rippled			
16 Aug 2021	Midweek									
17 Aug 2021	Midweek	choppy								
18 Aug 2021	Midweek				calm/rippled					
19 Aug 2021	Midweek	choppy		choppy						
20 Aug 2021	Midweek									
21 Aug 2021	Weekend			choppy			choppy	frequent whitecaps		
22 Aug 2021	Weekend	choppy			frequent whitecaps					
23 Aug 2021	Midweek			choppy			calm/rippled			
24 Aug 2021	Midweek									
25 Aug 2021	Midweek	choppy		calm/rippled	choppy					calm/rippled
26 Aug 2021	Midweek									
27 Aug 2021	Midweek									
28 Aug 2021	Weekend				calm/rippled	calm/rippled			choppy	
29 Aug 2021	Weekend			choppy	calm/rippled					
30 Aug 2021	Midweek									
31 Aug 2021	Midweek			choppy			choppy			
01 Sep 2021	Midweek			choppy	choppy		choppy			
02 Sep 2021	Midweek	choppy								
03 Sep 2021	Midweek	choppy								