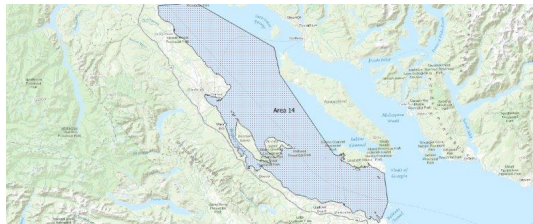


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 14 September 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.

Date	Day Type	Big Rock Boat Rental	Comox Mun		Discov- ery Marina South	French Ck			Kitty Coleman		Pacific Play		Westview
		PM	AM	PM	PM	AM	MD	PM	AM	PM	AM	PM	AM
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									
04 Sep 2021	Weekend							2					
05 Sep 2021	Weekend			38								12	
06 Sep 2021	Weekend				1								
07 Sep 2021	Midweek							33					
08 Sep 2021	Midweek										1		
09 Sep 2021	Midweek				2							6	
10 Sep 2021	Midweek	1							8				
11 Sep 2021	Weekend												
12 Sep 2021	Weekend							10			13		
13 Sep 2021	Midweek												
14 Sep 2021	Midweek												
15 Sep 2021	Midweek												
16 Sep 2021	Midweek			10									
17 Sep 2021	Midweek												
18 Sep 2021	Weekend					7							
19 Sep 2021	Weekend								2			1	1
20 Sep 2021	Midweek												
21 Sep 2021	Midweek												
22 Sep 2021	Midweek							6					
23 Sep 2021	Midweek												
24 Sep 2021	Midweek												
25 Sep 2021	Weekend						20						
26 Sep 2021	Weekend												
27 Sep 2021	Midweek												
28 Sep 2021	Midweek												
29 Sep 2021	Midweek												
30 Sep 2021	Midweek												
01 Oct 2021	Midweek								5				
02 Oct 2021	Weekend												
03 Oct 2021	Weekend			4						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
29-Aug-2021	Sunday	choppy	38	34	1					
30-Aug-2021	Monday		3	6				51	1148	114
31-Aug-2021	Tuesday	choppy	18	21						
01-Sep-2021	Wednesday	choppy	36	48	1					
02-Sep-2021	Thursday	choppy	10	11				65	1243	158
03-Sep-2021	Friday	choppy	23	16	5					
04-Sep-2021	Saturday	frequent whitecaps	2	2				2	1252	3
05-Sep-2021	Sunday	calm/rippled	52	35	1					
06-Sep-2021	Monday (Labour Day)	choppy	2	2				149	1228	241
07-Sep-2021	Tuesday	calm/rippled	37	22	2					
08-Sep-2021	Wednesday	choppy	3	7				31	1304	79
09-Sep-2021	Thursday	choppy	10	19	1					
10-Sep-2021	Friday	calm/rippled	10	7	2	1				
11-Sep-2021	Saturday		0							
12-Sep-2021	Sunday	choppy	24	7				46	1301	75
13-Sep-2021	Monday		1							
14-Sep-2021	Tuesday		0							
15-Sep-2021	Wednesday		2					3	1246	7
16-Sep-2021	Thursday	frequent whitecaps	13	8	2					
17-Sep-2021	Friday		0							
18-Sep-2021	Saturday	choppy	7		4			6	1227	10
19-Sep-2021	Sunday	calm/rippled	6	3	1					
20-Sep-2021	Monday		0							
21-Sep-2021	Tuesday		2		1					
22-Sep-2021	Wednesday	choppy	7	4	1			26	1249	65
23-Sep-2021	Thursday		1	2						
24-Sep-2021	Friday		2		1					
25-Sep-2021	Saturday	choppy	21	4	7			70	1242	112
26-Sep-2021	Sunday		0							
27-Sep-2021	Monday		0					1	1150	2
28-Sep-2021	Tuesday		1							
29-Sep-2021	Wednesday		0							
30-Sep-2021	Thursday		2							
01-Oct-2021	Friday	calm/rippled	5	3	6					
02-Oct-2021	Saturday		0							
03-Oct-2021	Sunday	choppy	7	2				14	1252	23
	Totals	choppy	160	144	16	1		25*		62*
	Totals	choppy	114	53	13			55*		88*

* 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	62	21	1302	0.9	0.1	0.006		1172	130	8	
Weekend	88	9	792	0.465	0.114			368	90		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	September	3327	931	624		
2017	September	2907	1182	203		
2018	September	1640	289	337	6	
2019	September	2060	1230	113		0
2020	September	5138	1928	134		4
2021	September	2277	1439	284	8	0
5-Yr Avg	September	3014	1112	282	6	2

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	122	43%	14%	77	42%	22%	17
Chinook	217	16%	25%	233	21%	23%	54

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	272	5%
iRec Anglers	4037	13%

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

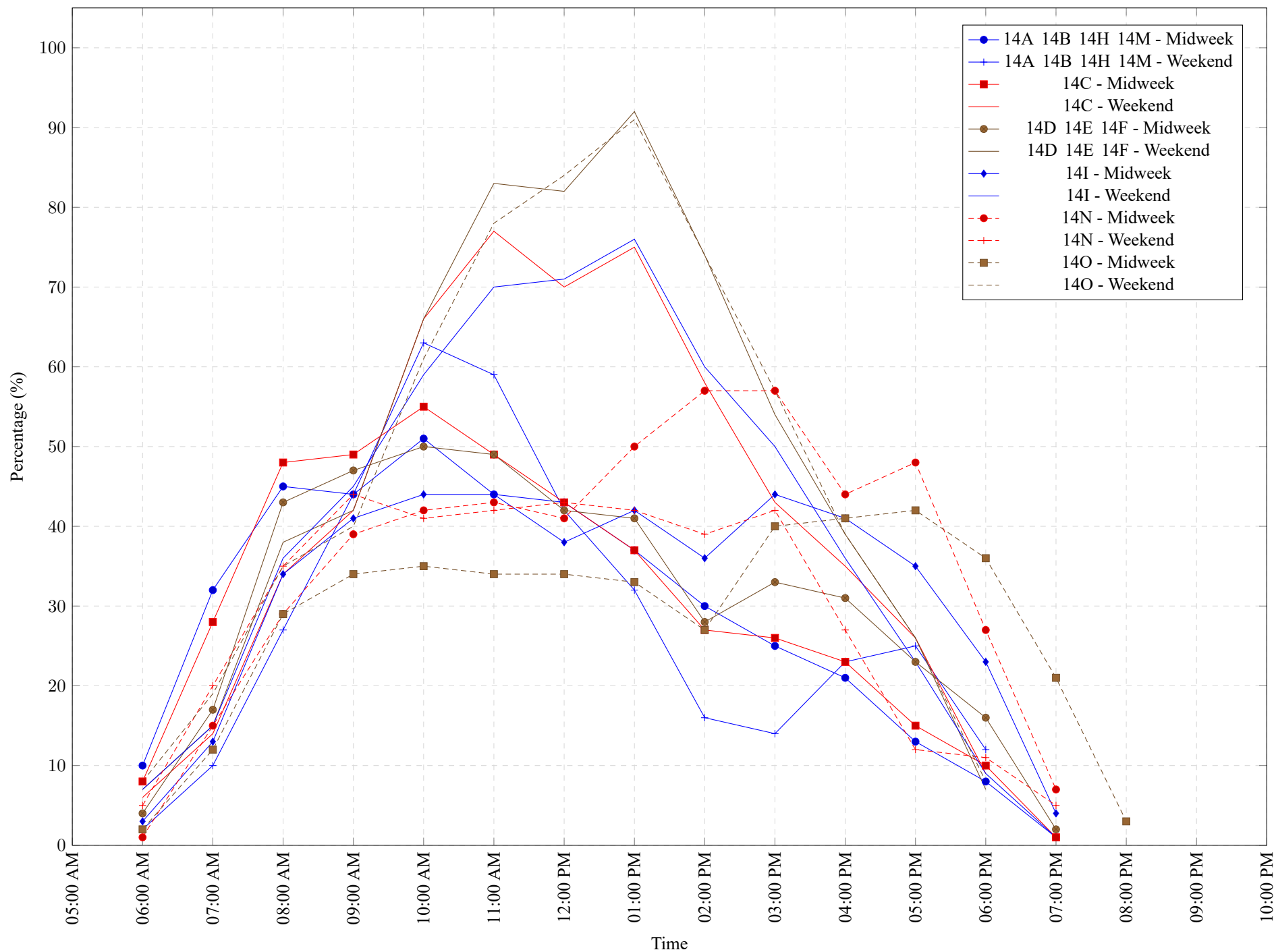


Table 7: Proportion of each day's fishing by hour.

Areas				Day Type	6:00 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	14H	14M	Midweek	10%	32%	45%	44%	51%	44%	43%	37%	30%	25%	21%	13%	8%	1%	0%	0%	0%
14A	14B	14H	14M	Weekend	2%	10%	27%	44%	63%	59%	42%	32%	16%	14%	23%	25%	12%	0%	0%	0%	0%
14C				Midweek	8%	28%	48%	49%	55%	49%	43%	37%	27%	26%	23%	15%	10%	1%	0%	0%	0%
14C				Weekend	6%	14%	34%	42%	66%	77%	70%	75%	58%	43%	35%	26%	9%	0%	0%	0%	0%
14D	14E	14F		Midweek	4%	17%	43%	47%	50%	49%	42%	41%	28%	33%	31%	23%	16%	2%	0%	0%	0%
14D	14E	14F		Weekend	7%	15%	38%	42%	66%	83%	82%	92%	74%	54%	39%	26%	7%	0%	0%	0%	0%
14I				Midweek	3%	13%	34%	41%	44%	44%	38%	42%	36%	44%	41%	35%	23%	4%	0%	0%	0%
14I				Weekend	7%	15%	36%	45%	59%	70%	71%	76%	60%	50%	36%	23%	9%	1%	0%	0%	0%
14N				Midweek	1%	15%	29%	39%	42%	43%	41%	50%	57%	57%	44%	48%	27%	7%	0%	0%	0%
14N				Weekend	5%	20%	35%	44%	41%	42%	43%	42%	39%	42%	27%	12%	11%	5%	0%	0%	0%
14O				Midweek	2%	12%	29%	34%	35%	34%	34%	33%	27%	40%	41%	42%	36%	21%	3%	0%	0%
14O				Weekend	8%	19%	35%	40%	61%	78%	84%	91%	74%	57%	39%	26%	8%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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