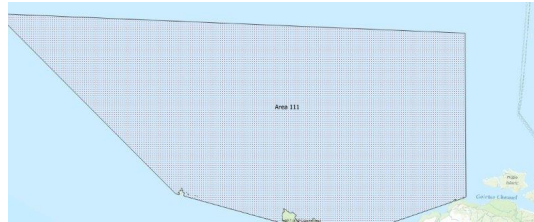


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 111 July 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Thursday 3rd February, 2022



Fisheries and Oceans
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Canada



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

Date	Day Type	Bear Cove		Quarterdeck Marina	
		AM	PM	AM	PM
28 Jun 2021	Midweek	7			
29 Jun 2021	Midweek				8
30 Jun 2021	Midweek				2
01 Jul 2021	Weekend				
02 Jul 2021	Midweek				
03 Jul 2021	Weekend				9
04 Jul 2021	Weekend			10	
05 Jul 2021	Midweek			5	
06 Jul 2021	Midweek	3			
07 Jul 2021	Midweek				
08 Jul 2021	Midweek				
09 Jul 2021	Midweek				
10 Jul 2021	Weekend				
11 Jul 2021	Weekend				
12 Jul 2021	Midweek			5	
13 Jul 2021	Midweek				
14 Jul 2021	Midweek				1
15 Jul 2021	Midweek				
16 Jul 2021	Midweek				
17 Jul 2021	Weekend				
18 Jul 2021	Weekend		1		
19 Jul 2021	Midweek				3
20 Jul 2021	Midweek				
21 Jul 2021	Midweek				
22 Jul 2021	Midweek				
23 Jul 2021	Midweek				
24 Jul 2021	Weekend				11
25 Jul 2021	Weekend				10
26 Jul 2021	Midweek		3		
27 Jul 2021	Midweek		2		
28 Jul 2021	Midweek		4		
29 Jul 2021	Midweek				
30 Jul 2021	Midweek				
31 Jul 2021	Weekend			4	
01 Aug 2021	Weekend		6		
02 Aug 2021	Weekend				13
03 Aug 2021	Midweek				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-2021	Monday	calm/rippled	9	21	3		2	21	0927	33
29-Jun-2021	Tuesday	calm/rippled	10	37	7		3			
30-Jun-2021	Wednesday	choppy	2	2	2					
01-Jul-2021	Thursday (Canada Day)		0							
02-Jul-2021	Friday		0							
03-Jul-2021	Saturday	choppy	13	64	6		13	2	1010	3
04-Jul-2021	Sunday	choppy	13	54	4		6			
05-Jul-2021	Monday	choppy	5	26	3		4			
06-Jul-2021	Tuesday	calm/rippled	6	15	1		3			
07-Jul-2021	Wednesday		4	10	1		4			
08-Jul-2021	Thursday		2	4	2		2			
09-Jul-2021	Friday		4	8	1		3			
10-Jul-2021	Saturday		4	20	3		12	18	1041	23
11-Jul-2021	Sunday		2	8			1			
12-Jul-2021	Monday	calm/rippled	9	39	6		4			
13-Jul-2021	Tuesday		0							
14-Jul-2021	Wednesday	choppy	1	4						
15-Jul-2021	Thursday		2	10	2		1	7	0927	11
16-Jul-2021	Friday		1							
17-Jul-2021	Saturday		0							
18-Jul-2021	Sunday	calm/rippled	1	6			4	14	0939	19
19-Jul-2021	Monday	calm/rippled	4	2	2		1			
20-Jul-2021	Tuesday		0							
21-Jul-2021	Wednesday		0					1	0908	2
22-Jul-2021	Thursday		0							
23-Jul-2021	Friday		0							
24-Jul-2021	Saturday	calm/rippled	12	47	20		9			
25-Jul-2021	Sunday	calm/rippled	10	30	8		6			
26-Jul-2021	Monday	calm/rippled	3	8	3			12	0943	19
27-Jul-2021	Tuesday	calm/rippled	2	4	2		1	5	0932	8
28-Jul-2021	Wednesday	calm/rippled	4	7	4		1			
29-Jul-2021	Thursday		0							
30-Jul-2021	Friday		0							
31-Jul-2021	Saturday	calm/rippled	7	16	1		7			
01-Aug-2021	Sunday	frequent whitecaps	8	16	4		8			
02-Aug-2021	Monday (B.C. Day)	choppy	13	38	16		14			
03-Aug-2021	Tuesday	calm/rippled	17	50	26		10			
	Totals	calm/rippled	47	137	27		24	6*		10*
	Totals	calm/rippled	62	245	42		58	11*		15*

* 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	10	21	210	2.915	0.574		0.511	612	121		107
Weekend	15	10	150	3.952	0.677		0.935	593	102		140

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2019	July	613	1426	80		194
2020	July	130	380	14		87
2021	July	353	1246	228		197
5-Yr Avg	July	372	903	47		141

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
Chinook	62	5%	23%	0	0%		14

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	107	63%
iRec Anglers	416	32%

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

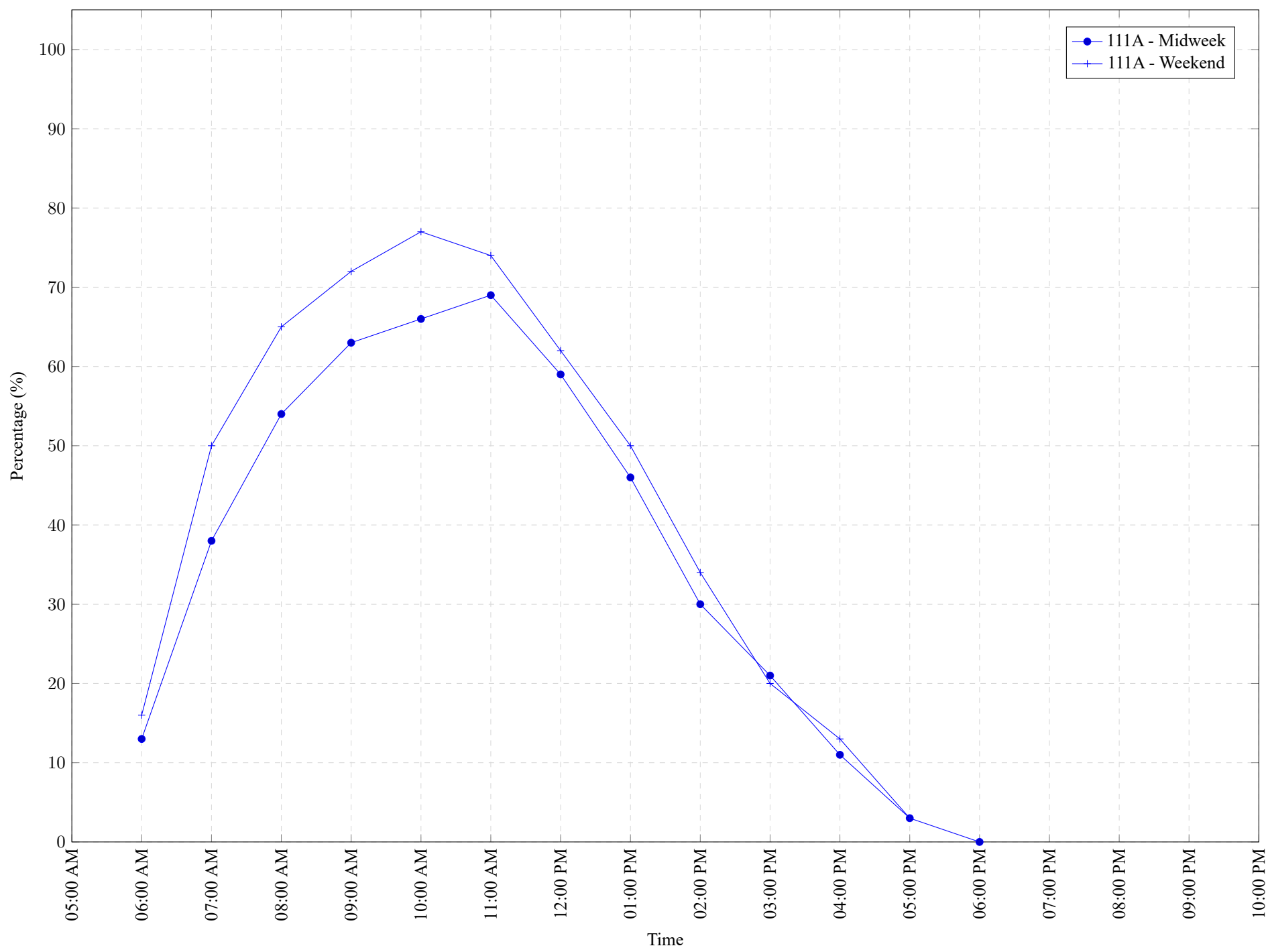


Table 7: Proportion of each day's fishing by hour.

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
111A	Midweek	13%	38%	54%	63%	66%	69%	59%	46%	30%	21%	11%	3%	0%	0%	0%	0%	0%
111A	Weekend	16%	50%	65%	72%	77%	74%	62%	50%	34%	20%	13%	3%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Bear Cove	Quarterdeck Marina
28 Jun 2021	Midweek	calm/rippled	
29 Jun 2021	Midweek		calm/rippled
30 Jun 2021	Midweek		choppy
01 Jul 2021	Weekend		
02 Jul 2021	Midweek		
03 Jul 2021	Weekend		choppy
04 Jul 2021	Weekend		choppy
05 Jul 2021	Midweek		choppy
06 Jul 2021	Midweek	calm/rippled	
07 Jul 2021	Midweek		
08 Jul 2021	Midweek		
09 Jul 2021	Midweek		
10 Jul 2021	Weekend		
11 Jul 2021	Weekend		
12 Jul 2021	Midweek		calm/rippled
13 Jul 2021	Midweek		
14 Jul 2021	Midweek		choppy
15 Jul 2021	Midweek		
16 Jul 2021	Midweek		
17 Jul 2021	Weekend		
18 Jul 2021	Weekend	calm/rippled	
19 Jul 2021	Midweek		calm/rippled
20 Jul 2021	Midweek		
21 Jul 2021	Midweek		
22 Jul 2021	Midweek		
23 Jul 2021	Midweek		
24 Jul 2021	Weekend		calm/rippled
25 Jul 2021	Weekend		calm/rippled
26 Jul 2021	Midweek	calm/rippled	
27 Jul 2021	Midweek	calm/rippled	
28 Jul 2021	Midweek	calm/rippled	
29 Jul 2021	Midweek		
30 Jul 2021	Midweek		
31 Jul 2021	Weekend		calm/rippled
01 Aug 2021	Weekend	frequent whitecaps	
02 Aug 2021	Weekend		choppy
03 Aug 2021	Midweek		calm/rippled