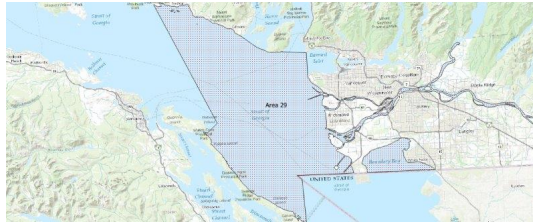


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 29 September 2020



Prepared By:
South Coast Salmon Stock Assessment Section

Wednesday 3rd 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.

Date	Day Type	Gibson's		Lady-smith	McDonald Beach		Planetarium		Sewell's West		Thunder-bird Marina
		AM	PM	PM	AM	PM	AM	PM	AM	PM	PM
29 Aug 2020	Weekend										
30 Aug 2020	Weekend				2						
31 Aug 2020	Midweek										
01 Sep 2020	Midweek								3		
02 Sep 2020	Midweek						2				
03 Sep 2020	Midweek				7						
04 Sep 2020	Midweek	1		1						4	
05 Sep 2020	Weekend							16			
06 Sep 2020	Weekend									1	
07 Sep 2020	Weekend										
08 Sep 2020	Midweek							1			
09 Sep 2020	Midweek										1
10 Sep 2020	Midweek							3			
11 Sep 2020	Midweek				1						
12 Sep 2020	Weekend										2
13 Sep 2020	Weekend					24					
14 Sep 2020	Midweek										
15 Sep 2020	Midweek										1
16 Sep 2020	Midweek									1	
17 Sep 2020	Midweek						1				
18 Sep 2020	Midweek					5					
19 Sep 2020	Weekend										
20 Sep 2020	Weekend				8						
21 Sep 2020	Midweek										
22 Sep 2020	Midweek										
23 Sep 2020	Midweek										
24 Sep 2020	Midweek										
25 Sep 2020	Midweek										
26 Sep 2020	Weekend										
27 Sep 2020	Weekend		4								
28 Sep 2020	Midweek										
29 Sep 2020	Midweek										
30 Sep 2020	Midweek					2					
01 Oct 2020	Midweek										
02 Oct 2020	Midweek										
03 Oct 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
29-Aug-2020	Saturday		1					1	1137	1
30-Aug-2020	Sunday	choppy	3							
31-Aug-2020	Monday		1							
01-Sep-2020	Tuesday	calm/rippled	11	22						
02-Sep-2020	Wednesday	calm/rippled	7	7						
03-Sep-2020	Thursday	choppy	10	12	1					
04-Sep-2020	Friday	calm/rippled	8	3	3					
05-Sep-2020	Saturday	choppy	23	21	1					
06-Sep-2020	Sunday	calm/rippled	4		2			233	1349	370
07-Sep-2020	Monday (Labour Day)		0							
08-Sep-2020	Tuesday	choppy	5	4						
09-Sep-2020	Wednesday	calm/rippled	4	4	1					
10-Sep-2020	Thursday	calm/rippled	5	2				155	1416	374
11-Sep-2020	Friday	calm/rippled	4	8						
12-Sep-2020	Saturday	choppy	5	7	1					
13-Sep-2020	Sunday	calm/rippled	27	7						
14-Sep-2020	Monday		1							
15-Sep-2020	Tuesday	calm/rippled	2	1						
16-Sep-2020	Wednesday	calm/rippled	2	2						
17-Sep-2020	Thursday	calm/rippled	1							
18-Sep-2020	Friday	calm/rippled	7	2						
19-Sep-2020	Saturday		1	2				181	1410	288
20-Sep-2020	Sunday	calm/rippled	9	1	2			127	1338	193
21-Sep-2020	Monday		0					56	1401	134
22-Sep-2020	Tuesday		0							
23-Sep-2020	Wednesday		0							
24-Sep-2020	Thursday		1							
25-Sep-2020	Friday		0					3	1354	7
26-Sep-2020	Saturday		0					13	1413	21
27-Sep-2020	Sunday	calm/rippled	5	1						
28-Sep-2020	Monday		1		1					
29-Sep-2020	Tuesday		0							
30-Sep-2020	Wednesday	calm/rippled	2	1						
01-Oct-2020	Thursday		0							
02-Oct-2020	Friday		0							
03-Oct-2020	Saturday		0							
	Totals	calm/rippled	71	68	6			71*		172*
	Totals	calm/rippled	74	39	6			139*		218*

* 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	218	9	1962	0.5270	0.0810			1034	159		
Midweek	172	21	3612	0.9580	0.0850			3460	307		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2015	September	2111	2088	52		
2016	September	3556	1374	407		
2017	September	5028	3056	133		
2018	September	9577	415	579	20815	
2019	September	4017	2674	251		0
2020	September	5803	3042	498	0	0
5-Yr Avg	September	4858	1921	284	20815	0

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	100	9%
iRec Anglers	7959	9%

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

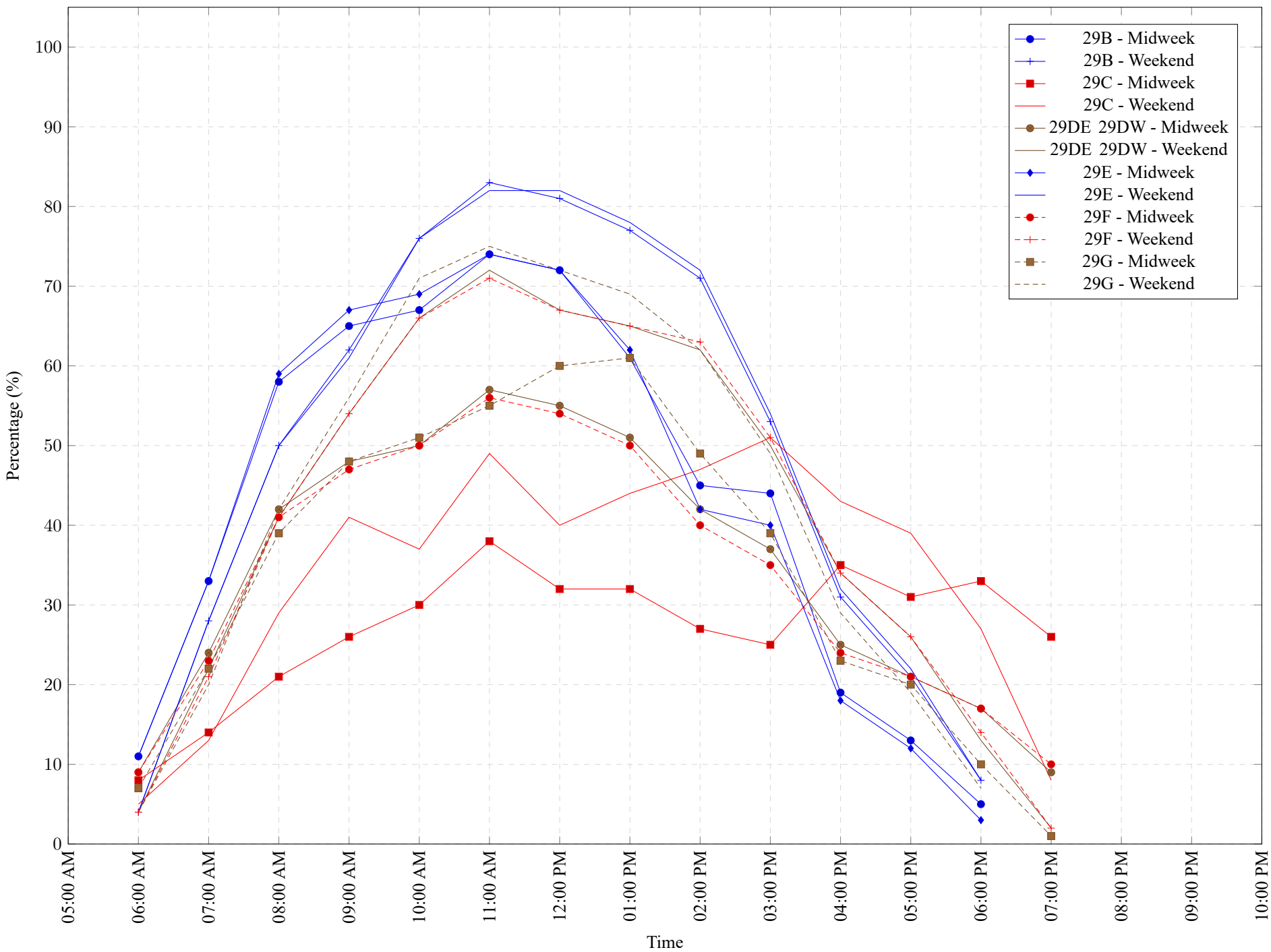


Table 7: Proportion of each day's fishing by hour.

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
29B	Midweek	11%	33%	58%	65%	67%	74%	72%	61%	45%	44%	19%	13%	5%	0%	0%	0%	0%
29B	Weekend	4%	28%	50%	62%	76%	83%	81%	77%	71%	53%	31%	21%	8%	0%	0%	0%	0%
29C	Midweek	8%	14%	21%	26%	30%	38%	32%	32%	27%	25%	35%	31%	33%	26%	0%	0%	0%
29C	Weekend	5%	13%	29%	41%	37%	49%	40%	44%	47%	51%	43%	39%	27%	8%	0%	0%	0%
29DE 29DW	Midweek	9%	24%	42%	48%	50%	57%	55%	51%	42%	37%	25%	21%	17%	9%	0%	0%	0%
29DE 29DW	Weekend	4%	22%	41%	54%	66%	72%	67%	65%	62%	50%	34%	26%	13%	2%	0%	0%	0%
29E	Midweek	11%	33%	59%	67%	69%	74%	72%	62%	42%	40%	18%	12%	3%	0%	0%	0%	0%
29E	Weekend	4%	28%	50%	61%	76%	82%	82%	78%	72%	54%	32%	22%	8%	0%	0%	0%	0%
29F	Midweek	9%	23%	41%	47%	50%	56%	54%	50%	40%	35%	24%	21%	17%	10%	0%	0%	0%
29F	Weekend	4%	21%	41%	54%	66%	71%	67%	65%	63%	51%	34%	26%	14%	2%	0%	0%	0%
29G	Midweek	7%	22%	39%	48%	51%	55%	60%	61%	49%	39%	23%	20%	10%	1%	0%	0%	0%
29G	Weekend	4%	20%	42%	56%	71%	75%	72%	69%	62%	49%	29%	19%	7%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Gibson's	Ladysmith	McDonald Beach	Planetarium	Sewell's West	Thunderbird Marina
29 Aug 2020	Weekend						
30 Aug 2020	Weekend			choppy			
31 Aug 2020	Midweek						
01 Sep 2020	Midweek					calm/rippled	
02 Sep 2020	Midweek				calm/rippled		
03 Sep 2020	Midweek			choppy			
04 Sep 2020	Midweek	calm/rippled	calm/rippled			calm/rippled	
05 Sep 2020	Weekend				choppy		
06 Sep 2020	Weekend					calm/rippled	
07 Sep 2020	Weekend						
08 Sep 2020	Midweek				choppy		
09 Sep 2020	Midweek						calm/rippled
10 Sep 2020	Midweek				calm/rippled		
11 Sep 2020	Midweek			calm/rippled			
12 Sep 2020	Weekend						choppy
13 Sep 2020	Weekend			calm/rippled			
14 Sep 2020	Midweek						
15 Sep 2020	Midweek						calm/rippled
16 Sep 2020	Midweek					calm/rippled	
17 Sep 2020	Midweek				calm/rippled		
18 Sep 2020	Midweek			calm/rippled			
19 Sep 2020	Weekend						
20 Sep 2020	Weekend			calm/rippled			
21 Sep 2020	Midweek						
22 Sep 2020	Midweek						
23 Sep 2020	Midweek						
24 Sep 2020	Midweek						
25 Sep 2020	Midweek						
26 Sep 2020	Weekend						
27 Sep 2020	Weekend	calm/rippled					
28 Sep 2020	Midweek						
29 Sep 2020	Midweek						
30 Sep 2020	Midweek			calm/rippled			
01 Oct 2020	Midweek						
02 Oct 2020	Midweek						
03 Oct 2020	Weekend						