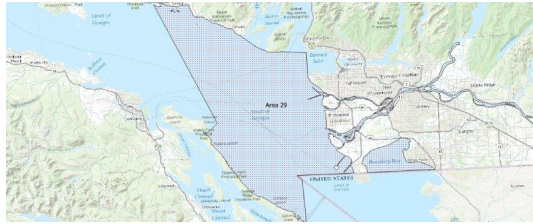


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 29 May 2021



Prepared By:

South Coast Salmon Stock Assessment Section

Saturday 5th February, 2022



Fisheries and Oceans
Canada

Pêches et Océans
Canada



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

Date	Day Type	Crofton Ramp AM	Lady- smith PM	McDonald Beach AM	PM	Sewell's West AM	Thunderbird Marina AM	PM
28 Apr 2021	Midweek							
29 Apr 2021	Midweek							
30 Apr 2021	Midweek							
01 May 2021	Weekend		1		4			
02 May 2021	Weekend							
03 May 2021	Midweek							
04 May 2021	Midweek							
05 May 2021	Midweek							
06 May 2021	Midweek							
07 May 2021	Midweek					1		
08 May 2021	Weekend							1
09 May 2021	Weekend			2				
10 May 2021	Midweek							
11 May 2021	Midweek							
12 May 2021	Midweek							
13 May 2021	Midweek				2			
14 May 2021	Midweek							
15 May 2021	Weekend							
16 May 2021	Weekend							
17 May 2021	Midweek							
18 May 2021	Midweek							
19 May 2021	Midweek							
20 May 2021	Midweek							
21 May 2021	Midweek							
22 May 2021	Weekend							
23 May 2021	Weekend							
24 May 2021	Weekend							
25 May 2021	Midweek							
26 May 2021	Midweek						1	
27 May 2021	Midweek							
28 May 2021	Midweek							
29 May 2021	Weekend	2						2
30 May 2021	Weekend							
31 May 2021	Midweek							
01 Jun 2021	Midweek							
02 Jun 2021	Midweek							
03 Jun 2021	Midweek							

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-Apr-2021	Wednesday		0							
29-Apr-2021	Thursday		1							
30-Apr-2021	Friday		1							
01-May-2021	Saturday	choppy	7					22	1243	35
02-May-2021	Sunday		5							
03-May-2021	Monday		0							
04-May-2021	Tuesday		4							
05-May-2021	Wednesday		5					32	1246	48
06-May-2021	Thursday		0							
07-May-2021	Friday	calm/rippled	3							
08-May-2021	Saturday	choppy	2							
09-May-2021	Sunday	choppy	5					35	1258	58
10-May-2021	Monday		1							
11-May-2021	Tuesday		6				1			
12-May-2021	Wednesday		0							
13-May-2021	Thursday	choppy	5					12	1226	18
14-May-2021	Friday		1							
15-May-2021	Saturday		1							
16-May-2021	Sunday		2					34	1239	60
17-May-2021	Monday		0							
18-May-2021	Tuesday		0							
19-May-2021	Wednesday		0							
20-May-2021	Thursday		0							
21-May-2021	Friday		3					20	1240	30
22-May-2021	Saturday		3							
23-May-2021	Sunday		1							
24-May-2021	Monday (Victoria Day)		0							
25-May-2021	Tuesday		1							
26-May-2021	Wednesday	choppy	1	1						
27-May-2021	Thursday		0							
28-May-2021	Friday		0							
29-May-2021	Saturday	calm/rippled	7							
30-May-2021	Sunday		2							
31-May-2021	Monday		1							
01-Jun-2021	Tuesday		3					21	1306	35
02-Jun-2021	Wednesday		0							
03-Jun-2021	Thursday		0							
	Totals	choppy	31	1			1	21*		32*
	Totals	choppy	35					30*		51*

* 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	51	11	561								
Midweek	32	20	640	0.032			0.032	20			20

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2016	May	1433	592	15		
2017	May	4251	2388			
2018	May	3820	3912			87
2019	May	718	30			
2020	May	1136	17			
2021	May	1518	31	0		1
5-Yr Avg	May	2272	1388	15		87

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	57	3%
iRec Anglers	1019	17%

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

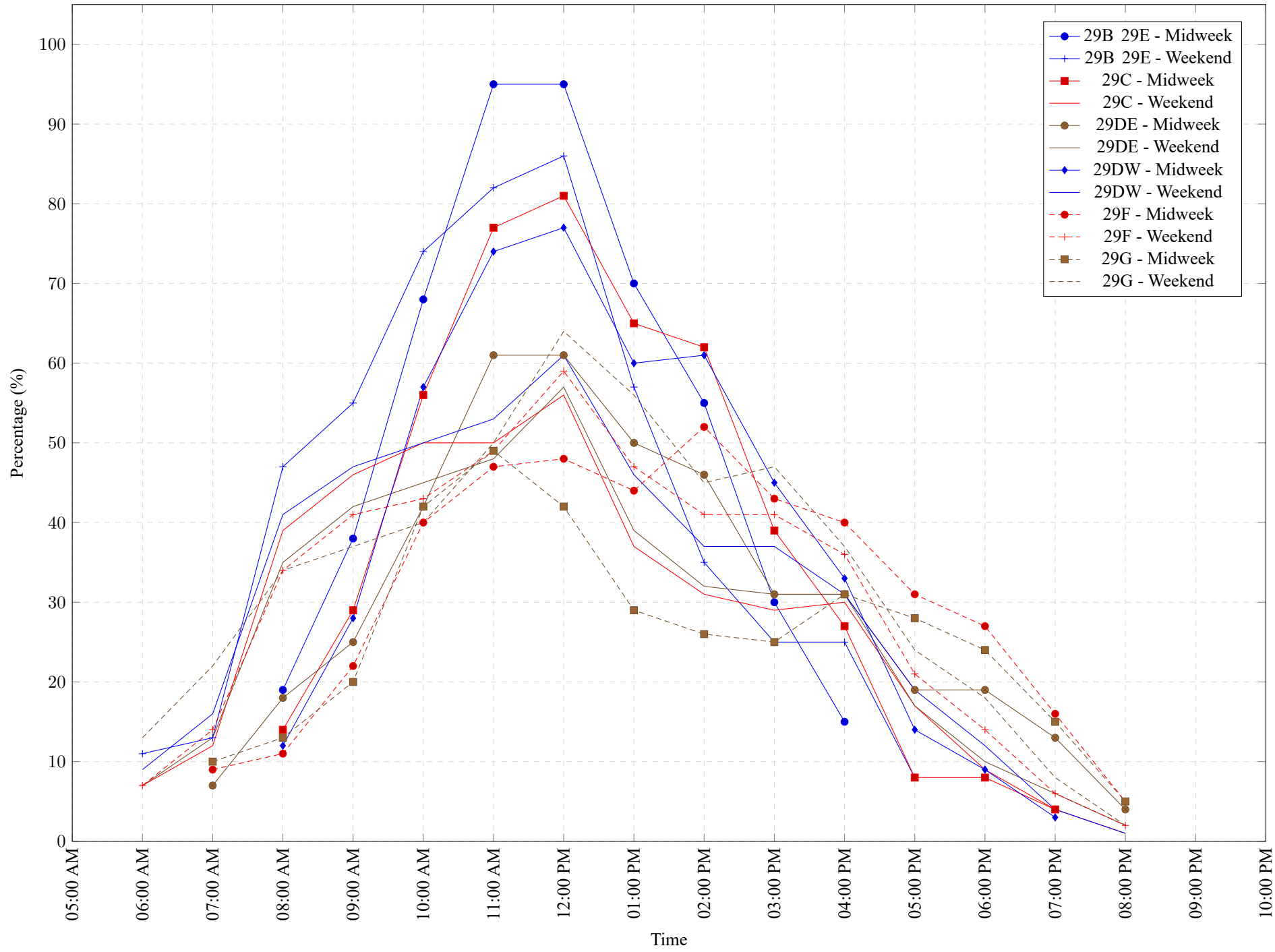


Table 7: Proportion of each day's fishing by hour.

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
29B 29E	Midweek	0%	0%	19%	38%	68%	95%	95%	70%	55%	30%	15%	0%	0%	0%	0%	0%	0%
29B 29E	Weekend	11%	13%	47%	55%	74%	82%	86%	57%	35%	25%	25%	8%	0%	0%	0%	0%	0%
29C	Midweek	0%	0%	14%	29%	56%	77%	81%	65%	62%	39%	27%	8%	8%	4%	0%	0%	0%
29C	Weekend	7%	12%	39%	46%	50%	50%	56%	37%	31%	29%	30%	17%	9%	4%	1%	0%	0%
29DE	Midweek	0%	7%	18%	25%	42%	61%	61%	50%	46%	31%	31%	19%	19%	13%	4%	0%	0%
29DE	Weekend	7%	13%	35%	42%	45%	48%	57%	39%	32%	31%	31%	17%	10%	6%	2%	0%	0%
29DW	Midweek	0%	0%	12%	28%	57%	74%	77%	60%	61%	45%	33%	14%	9%	3%	0%	0%	0%
29DW	Weekend	9%	16%	41%	47%	50%	53%	61%	46%	37%	37%	31%	19%	12%	4%	1%	0%	0%
29F	Midweek	0%	9%	11%	22%	40%	47%	48%	44%	52%	43%	40%	31%	27%	16%	5%	0%	0%
29F	Weekend	7%	14%	34%	41%	43%	49%	59%	47%	41%	41%	36%	21%	14%	6%	2%	0%	0%
29G	Midweek	0%	10%	13%	20%	42%	49%	42%	29%	26%	25%	31%	28%	24%	15%	5%	0%	0%
29G	Weekend	13%	22%	34%	37%	40%	50%	64%	56%	45%	47%	37%	24%	18%	8%	2%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Crofton Ramp	Ladysmith	McDonald Beach	Sewell's West	Thunderbird Marina
28 Apr 2021	Midweek					
29 Apr 2021	Midweek					
30 Apr 2021	Midweek					
01 May 2021	Weekend		choppy	choppy		
02 May 2021	Weekend					
03 May 2021	Midweek					
04 May 2021	Midweek					
05 May 2021	Midweek					
06 May 2021	Midweek					
07 May 2021	Midweek				calm/rippled	
08 May 2021	Weekend					choppy
09 May 2021	Weekend			choppy		
10 May 2021	Midweek					
11 May 2021	Midweek					
12 May 2021	Midweek					
13 May 2021	Midweek			choppy		
14 May 2021	Midweek					
15 May 2021	Weekend					
16 May 2021	Weekend					
17 May 2021	Midweek					
18 May 2021	Midweek					
19 May 2021	Midweek					
20 May 2021	Midweek					
21 May 2021	Midweek					
22 May 2021	Weekend					
23 May 2021	Weekend					
24 May 2021	Weekend					
25 May 2021	Midweek					
26 May 2021	Midweek					choppy
27 May 2021	Midweek					
28 May 2021	Midweek					
29 May 2021	Weekend	calm/rippled				calm/rippled
30 May 2021	Weekend					
31 May 2021	Midweek					
01 Jun 2021	Midweek					
02 Jun 2021	Midweek					
03 Jun 2021	Midweek					