

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 29 July 2019



*Prepared By:*

South Coast Salmon Stock Assessment Section

Thursday 27<sup>th</sup> August, 2020



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

Date	Day Type	Cowichan Bay	Crofton Ramp	Gibson's	McDonald Beach		Planetarium		Thunderbird Marina	
		PM	PM	AM	AM	PM	AM	PM	AM	PM
28 Jun 2019	Midweek							3		
29 Jun 2019	Weekend					19				
30 Jun 2019	Weekend							8		
01 Jul 2019	Weekend									
02 Jul 2019	Midweek									
03 Jul 2019	Midweek									
04 Jul 2019	Midweek									
05 Jul 2019	Midweek									
06 Jul 2019	Weekend								1	
07 Jul 2019	Weekend				7					
08 Jul 2019	Midweek									
09 Jul 2019	Midweek									
10 Jul 2019	Midweek									
11 Jul 2019	Midweek									
12 Jul 2019	Midweek					7				
13 Jul 2019	Weekend		1					8		
14 Jul 2019	Weekend									
15 Jul 2019	Midweek									1
16 Jul 2019	Midweek									
17 Jul 2019	Midweek									
18 Jul 2019	Midweek									
19 Jul 2019	Midweek									
20 Jul 2019	Weekend					4				
21 Jul 2019	Weekend						1			
22 Jul 2019	Midweek									
23 Jul 2019	Midweek									
24 Jul 2019	Midweek									
25 Jul 2019	Midweek									
26 Jul 2019	Midweek				1					
27 Jul 2019	Weekend			1						
28 Jul 2019	Weekend									
29 Jul 2019	Midweek									
30 Jul 2019	Midweek									
31 Jul 2019	Midweek	1			1					
01 Aug 2019	Midweek									
02 Aug 2019	Midweek									
03 Aug 2019	Weekend				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
28-Jun-2019	Friday	choppy	3		1					
29-Jun-2019	Saturday	calm/rippled	19	1	7			97	1254	193
30-Jun-2019	Sunday	choppy	9		1					
01-Jul-2019	Monday (Canada Day)		0							
02-Jul-2019	Tuesday		0							
03-Jul-2019	Wednesday		1							
04-Jul-2019	Thursday		1					13	1135	25
05-Jul-2019	Friday		1							
06-Jul-2019	Saturday	choppy	2					55	1144	99
07-Jul-2019	Sunday	choppy	7							
08-Jul-2019	Monday		1							
09-Jul-2019	Tuesday		0					37	1134	72
10-Jul-2019	Wednesday		0							
11-Jul-2019	Thursday		0							
12-Jul-2019	Friday	calm/rippled	8		1					
13-Jul-2019	Saturday	calm/rippled	10		4			105	1136	185
14-Jul-2019	Sunday		1					77	1141	137
15-Jul-2019	Monday	calm/rippled	2							
16-Jul-2019	Tuesday		1							
17-Jul-2019	Wednesday		0							
18-Jul-2019	Thursday		0					3	1135	6
19-Jul-2019	Friday		1	3				9	1130	18
20-Jul-2019	Saturday	choppy	4		1					
21-Jul-2019	Sunday	calm/rippled	2					101	1141	180
22-Jul-2019	Monday		2	2						
23-Jul-2019	Tuesday		0							
24-Jul-2019	Wednesday		1							
25-Jul-2019	Thursday		1					32	1132	63
26-Jul-2019	Friday	calm/rippled	2							
27-Jul-2019	Saturday	frequent whitecaps	1							
28-Jul-2019	Sunday		2	2				11	1130	20
29-Jul-2019	Monday		2	1						
30-Jul-2019	Tuesday		1					7	1125	13
31-Jul-2019	Wednesday	calm/rippled	3	1						
01-Aug-2019	Thursday		3	2				34	1128	65
02-Aug-2019	Friday		2	3	2					
03-Aug-2019	Saturday	choppy	4	1	1			40	1139	70
	Totals	calm/rippled	28	7	1			17*		33*
	Totals	choppy	29	2	5			70*		124*

\* 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	124	9	1116	0.0690	0.1720			77	192		
Midweek	33	22	726	0.25	0.0360			182	26		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2014	July	1217	119	173	32	
2015	July	1356	173	221		
2016	July	3104	310	48		
2017	July	2993	368	142		
2018	July	1972	247	355		
2019	July	1744	242	190		0
5-Yr Avg	July	2128	243	188	32	

**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	190	100%	1%	212	87%	0%	1

**Table 6: Guided Proprtions Review.**

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	57	1%
iRec Anglers	2490	35%
iRec Responses	81	10%

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

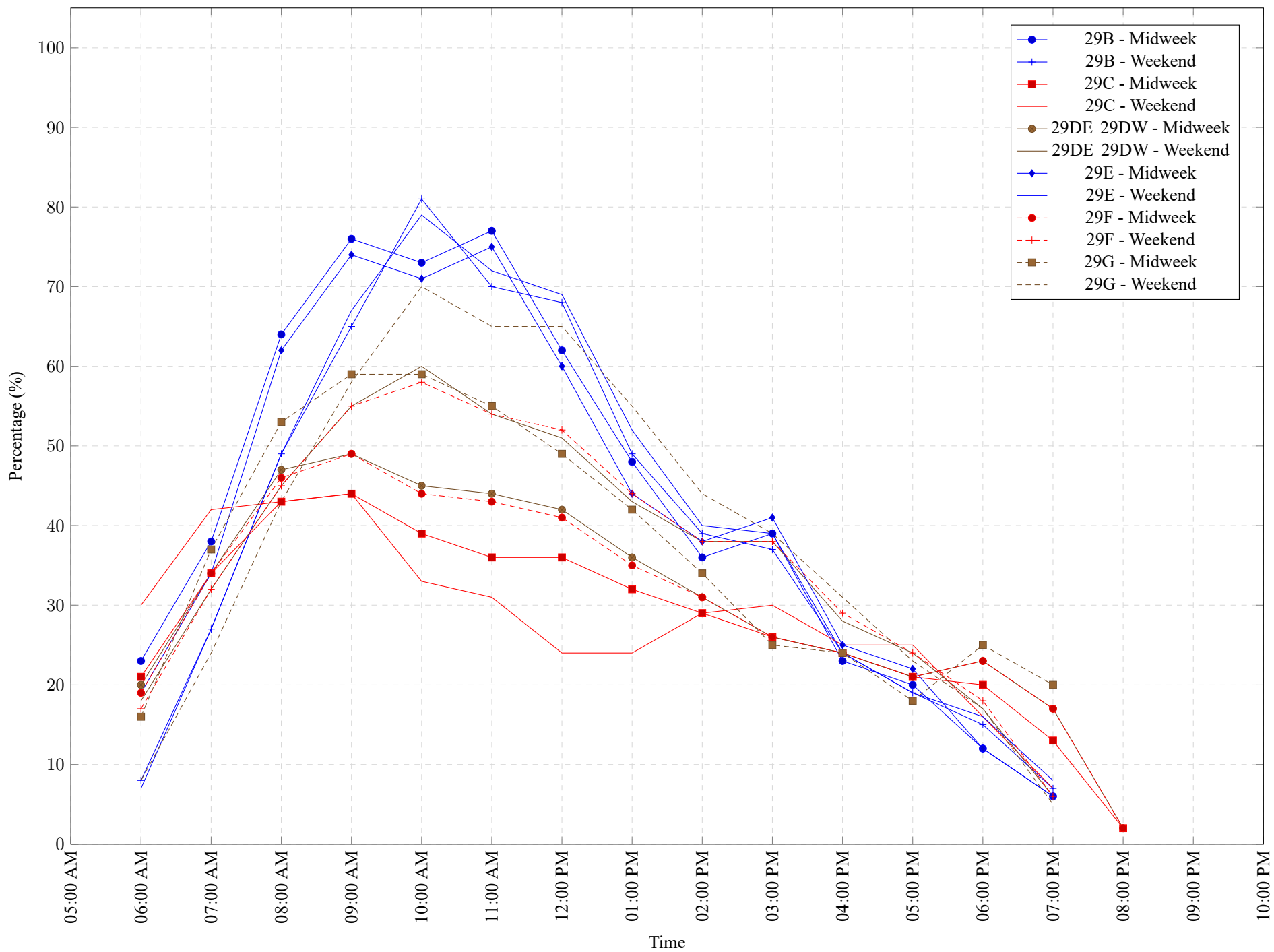


Table 7: Proportion of each day's fishing by hour.

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	23%	38%	64%	76%	73%	77%	62%	48%	36%	39%	23%	20%	12%	6%	0%	0%	0%
29B	Weekend	8%	27%	49%	65%	81%	70%	68%	49%	39%	37%	24%	19%	15%	7%	0%	0%	0%
29C	Midweek	21%	34%	43%	44%	39%	36%	36%	32%	29%	26%	24%	21%	20%	13%	2%	0%	0%
29C	Weekend	30%	42%	43%	44%	33%	31%	24%	24%	29%	30%	25%	25%	16%	7%	0%	0%	0%
29DE 29DW	Midweek	20%	34%	47%	49%	45%	44%	42%	36%	31%	26%	24%	21%	23%	17%	2%	0%	0%
29DE 29DW	Weekend	18%	32%	45%	55%	60%	54%	51%	43%	38%	38%	28%	24%	17%	6%	0%	0%	0%
29E	Midweek	19%	34%	62%	74%	71%	75%	60%	44%	38%	41%	25%	22%	12%	6%	0%	0%	0%
29E	Weekend	7%	27%	49%	67%	79%	72%	69%	52%	40%	39%	24%	19%	16%	8%	0%	0%	0%
29F	Midweek	19%	34%	46%	49%	44%	43%	41%	35%	31%	26%	24%	21%	23%	17%	2%	0%	0%
29F	Weekend	17%	32%	45%	55%	58%	54%	52%	44%	38%	38%	29%	24%	18%	6%	0%	0%	0%
29G	Midweek	16%	37%	53%	59%	59%	55%	49%	42%	34%	25%	24%	18%	25%	20%	0%	0%	0%
29G	Weekend	8%	24%	43%	58%	70%	65%	65%	55%	44%	39%	31%	23%	17%	5%	0%	0%	0%

**Table 8: Daily Fishing Conditions.**

Date	Day Type	Cowichan Bay	Crofton Ramp	Gibson's	McDonald Beach	Planetarium	Thunderbird Marina
28 Jun 2019	Midweek					choppy	
29 Jun 2019	Weekend				calm/rippled		
30 Jun 2019	Weekend					choppy	
01 Jul 2019	Weekend						
02 Jul 2019	Midweek						
03 Jul 2019	Midweek						
04 Jul 2019	Midweek						
05 Jul 2019	Midweek						
06 Jul 2019	Weekend						choppy
07 Jul 2019	Weekend				choppy		
08 Jul 2019	Midweek						
09 Jul 2019	Midweek						
10 Jul 2019	Midweek						
11 Jul 2019	Midweek						
12 Jul 2019	Midweek				calm/rippled		
13 Jul 2019	Weekend		choppy			calm/rippled	
14 Jul 2019	Weekend						
15 Jul 2019	Midweek						calm/rippled
16 Jul 2019	Midweek						
17 Jul 2019	Midweek						
18 Jul 2019	Midweek						
19 Jul 2019	Midweek						
20 Jul 2019	Weekend				choppy		
21 Jul 2019	Weekend					calm/rippled	
22 Jul 2019	Midweek						
23 Jul 2019	Midweek						
24 Jul 2019	Midweek						
25 Jul 2019	Midweek						
26 Jul 2019	Midweek				calm/rippled		
27 Jul 2019	Weekend			frequent whitecaps			
28 Jul 2019	Weekend						
29 Jul 2019	Midweek						
30 Jul 2019	Midweek						
31 Jul 2019	Midweek	calm/rippled			calm/rippled		
01 Aug 2019	Midweek						
02 Aug 2019	Midweek						
03 Aug 2019	Weekend				choppy		