

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 29 July 2020



Prepared By:

South Coast Salmon Stock Assessment Section

Tuesday 2nd 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.

		Cooper's Green	Cowichan Bay	Gibson's	McDonald Beach		Planetarium		Sewell's West		Thunder- bird Marina
Date	Day Type	PM	PM	PM	AM	PM	AM	PM	AM	PM	PM
28 Jun 2020	Weekend										
29 Jun 2020	Midweek										
30 Jun 2020	Midweek										
01 Jul 2020	Weekend				2						
02 Jul 2020	Midweek										
03 Jul 2020	Midweek										
04 Jul 2020	Weekend										
05 Jul 2020	Weekend				5						
06 Jul 2020	Midweek										
07 Jul 2020	Midweek										
08 Jul 2020	Midweek										
09 Jul 2020	Midweek										
10 Jul 2020	Midweek										
11 Jul 2020	Weekend			2							
12 Jul 2020	Weekend										
13 Jul 2020	Midweek										
14 Jul 2020	Midweek				3						
15 Jul 2020	Midweek										
16 Jul 2020	Midweek										
17 Jul 2020	Midweek										
18 Jul 2020	Weekend				1						
19 Jul 2020	Weekend										
20 Jul 2020	Midweek										
21 Jul 2020	Midweek				1						
22 Jul 2020	Midweek				2						
23 Jul 2020	Midweek										
24 Jul 2020	Midweek										
25 Jul 2020	Weekend				1						
26 Jul 2020	Weekend										
27 Jul 2020	Midweek										
28 Jul 2020	Midweek				1						
29 Jul 2020	Midweek			7	1						
30 Jul 2020	Midweek				1						
31 Jul 2020	Midweek				1						
01 Aug 2020	Weekend	1	1		4						
02 Aug 2020	Weekend										
03 Aug 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
28-Jun-2020	Sunday		0							
29-Jun-2020	Monday		1					31	1305	73
30-Jun-2020	Tuesday		0					2	1324	5
01-Jul-2020	Wednesday (Canada Day)	choppy	2		1			28	1319	49
02-Jul-2020	Thursday		0							
03-Jul-2020	Friday	choppy	1							
04-Jul-2020	Saturday	choppy	3					103	1301	164
05-Jul-2020	Sunday	calm/rippled	6							
06-Jul-2020	Monday		0					10	1259	23
07-Jul-2020	Tuesday		0					9	1302	20
08-Jul-2020	Wednesday		1							
09-Jul-2020	Thursday		0							
10-Jul-2020	Friday	choppy	1							
11-Jul-2020	Saturday	choppy	2	1				18	1305	31
12-Jul-2020	Sunday	choppy	2					42	1321	74
13-Jul-2020	Monday		0							
14-Jul-2020	Tuesday	choppy	4		2			25	1241	58
15-Jul-2020	Wednesday		1		1			43	1233	98
16-Jul-2020	Thursday		0							
17-Jul-2020	Friday		0							
18-Jul-2020	Saturday	choppy	3					17	1302	27
19-Jul-2020	Sunday	choppy	1							
20-Jul-2020	Monday		0							
21-Jul-2020	Tuesday	choppy	1		1			30	1233	69
22-Jul-2020	Wednesday	choppy	3		4					
23-Jul-2020	Thursday		1							
24-Jul-2020	Friday		3							
25-Jul-2020	Saturday	choppy	3		7			79	1225	130
26-Jul-2020	Sunday	choppy	4							
27-Jul-2020	Monday		0							
28-Jul-2020	Tuesday	choppy	3					18	1300	42
29-Jul-2020	Wednesday	calm/rippled	9	2	1					
30-Jul-2020	Thursday	choppy	1							
31-Jul-2020	Friday	calm/rippled	3	1	1			21	1223	44
01-Aug-2020	Saturday	choppy	2	1	2			58	1209	98
02-Aug-2020	Sunday	choppy	5	1						
03-Aug-2020	Monday (B.C. Day)		2		2					
	Totals	choppy	32	3	10			22*		51*
	Totals	choppy	26	1	8			48*		79*

* 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	51	22	1122	0.0940	0.3130			105	351		
Weekend	79	9	711	0.0380	0.3080			27	219		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2020	July	1864	128	433		0
5-Yr Avg	July	2234	268	191		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	57	16%
iRec Anglers	1759	26%

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

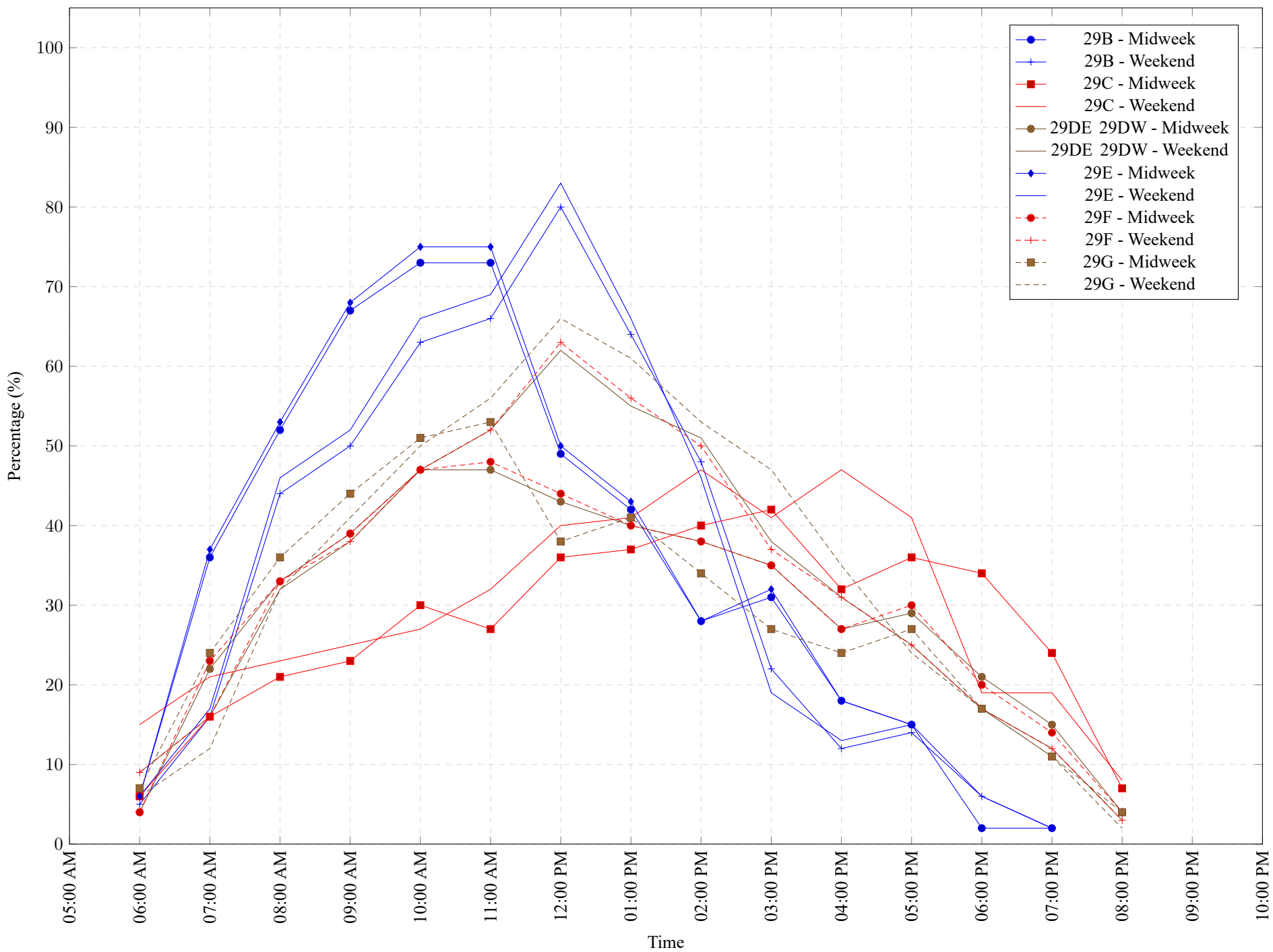


Table 7: Proportion of each day's fishing by hour.

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	6%	36%	52%	67%	73%	73%	49%	42%	28%	31%	18%	15%	2%	2%	0%	0%	0%
29B	Weekend	5%	16%	44%	50%	63%	66%	80%	64%	48%	22%	12%	14%	6%	2%	0%	0%	0%
29C	Midweek	6%	16%	21%	23%	30%	27%	36%	37%	40%	42%	32%	36%	34%	24%	7%	0%	0%
29C	Weekend	15%	21%	23%	25%	27%	32%	40%	41%	47%	41%	47%	41%	19%	19%	8%	0%	0%
29DE 29DW	Midweek	4%	22%	33%	39%	47%	47%	43%	40%	38%	35%	27%	29%	21%	15%	4%	0%	0%
29DE 29DW	Weekend	9%	16%	32%	38%	47%	52%	62%	55%	51%	38%	31%	25%	17%	12%	3%	0%	0%
29E	Midweek	6%	37%	53%	68%	75%	75%	50%	43%	28%	32%	18%	15%	0%	0%	0%	0%	0%
29E	Weekend	6%	17%	46%	52%	66%	69%	83%	66%	46%	19%	13%	15%	6%	2%	0%	0%	0%
29F	Midweek	4%	23%	33%	39%	47%	48%	44%	40%	38%	35%	27%	30%	20%	14%	4%	0%	0%
29F	Weekend	9%	16%	33%	38%	47%	52%	63%	56%	50%	37%	31%	25%	17%	12%	3%	0%	0%
29G	Midweek	7%	24%	36%	44%	51%	53%	38%	41%	34%	27%	24%	27%	17%	11%	4%	0%	0%
29G	Weekend	6%	12%	32%	41%	50%	56%	66%	61%	53%	47%	35%	24%	17%	11%	2%	0%	0%

Table 8: Daily Fishing Conditions.

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