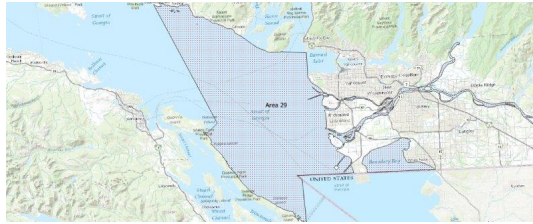


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 29 September 2021



Prepared By:
South Coast Salmon Stock Assessment Section

Friday 11th 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	Gibson's		McDonald Beach		Planetarium		Sewell's East	Thunderbird Marina	
		AM	PM	AM	PM	AM	PM	AM	AM	PM
29 Aug 2021	Weekend				7		1			
30 Aug 2021	Midweek							2		
31 Aug 2021	Midweek									
01 Sep 2021	Midweek							1		
02 Sep 2021	Midweek									
03 Sep 2021	Midweek									
04 Sep 2021	Weekend			14			5			
05 Sep 2021	Weekend					2				8
06 Sep 2021	Weekend									1
07 Sep 2021	Midweek						3			
08 Sep 2021	Midweek									
09 Sep 2021	Midweek									
10 Sep 2021	Midweek									
11 Sep 2021	Weekend			8					1	
12 Sep 2021	Weekend		1							
13 Sep 2021	Midweek									
14 Sep 2021	Midweek									
15 Sep 2021	Midweek									
16 Sep 2021	Midweek									
17 Sep 2021	Midweek									
18 Sep 2021	Weekend									
19 Sep 2021	Weekend									
20 Sep 2021	Midweek									
21 Sep 2021	Midweek	1								
22 Sep 2021	Midweek									
23 Sep 2021	Midweek									
24 Sep 2021	Midweek									
25 Sep 2021	Weekend									
26 Sep 2021	Weekend									
27 Sep 2021	Midweek									
28 Sep 2021	Midweek									
29 Sep 2021	Midweek									
30 Sep 2021	Midweek									
01 Oct 2021	Midweek									
02 Oct 2021	Weekend									
03 Oct 2021	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-2021	Sunday	calm/rippled	12		3					
30-Aug-2021	Monday	calm/rippled	5					26	1113	45
31-Aug-2021	Tuesday		1							
01-Sep-2021	Wednesday	choppy	10	3	2					
02-Sep-2021	Thursday		6	3	2					
03-Sep-2021	Friday		3	2						
04-Sep-2021	Saturday	choppy	20					144	1211	218
05-Sep-2021	Sunday	calm/rippled	15	8	1					
06-Sep-2021	Monday (Labour Day)	calm/rippled	6	3				369	1211	550
07-Sep-2021	Tuesday	calm/rippled	5	3						
08-Sep-2021	Wednesday		3	1				65	1226	117
09-Sep-2021	Thursday		2	4						
10-Sep-2021	Friday		1							
11-Sep-2021	Saturday	choppy	10							
12-Sep-2021	Sunday	frequent whitecaps	1					15	1231	25
13-Sep-2021	Monday		2							
14-Sep-2021	Tuesday		0							
15-Sep-2021	Wednesday		0					0	1221	0
16-Sep-2021	Thursday		1	1				67	1212	119
17-Sep-2021	Friday		1							
18-Sep-2021	Saturday		0					4	1213	7
19-Sep-2021	Sunday		1	1						
20-Sep-2021	Monday		0							
21-Sep-2021	Tuesday	calm/rippled	2							
22-Sep-2021	Wednesday		0					3	1221	5
23-Sep-2021	Thursday		2							
24-Sep-2021	Friday		0							
25-Sep-2021	Saturday		1					114	1137	145
26-Sep-2021	Sunday		0							
27-Sep-2021	Monday		0					3	1151	5
28-Sep-2021	Tuesday		0							
29-Sep-2021	Wednesday		0							
30-Sep-2021	Thursday		0							
01-Oct-2021	Friday		0							
02-Oct-2021	Saturday		0							
03-Oct-2021	Sunday		0					12	1133	17
	Totals	calm/rippled	38	17	4			28*		49*
	Totals	choppy	54	12	1			129*		189*

* 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	49	21	1029	0.447	0.105			460	108		
Weekend	189	9	1701	0.222	0.019			378	32		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2021	September	2925	433	110	0	0
5-Yr Avg	September	5596	2112	374	10408	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
Coho	106	96%	2%	106	65%	2%	2
Chinook	67	15%	7%	400	39%	1%	5

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	83	3%
iRec Anglers	6198	8%

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

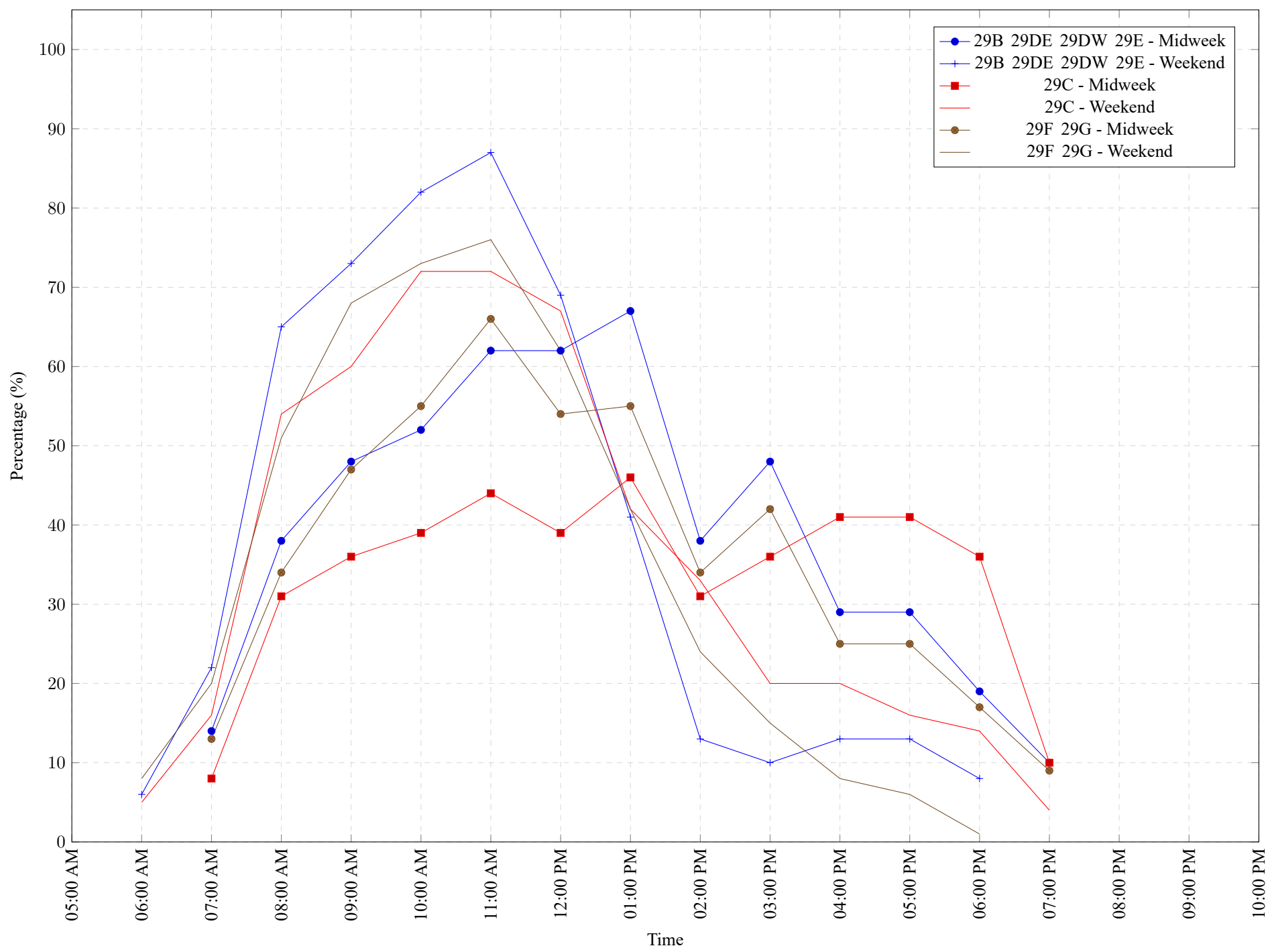


Table 7: Proportion of each day's fishing by hour.

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	29DE	29DW	29E	Midweek	0%	14%	38%	48%	52%	62%	62%	67%	38%	48%	29%	29%	19%	10%	0%	0%	0%
29B	29DE	29DW	29E	Weekend	6%	22%	65%	73%	82%	87%	69%	41%	13%	10%	13%	13%	8%	0%	0%	0%	0%
29C				Midweek	0%	8%	31%	36%	39%	44%	39%	46%	31%	36%	41%	41%	36%	10%	0%	0%	0%
29C				Weekend	5%	16%	54%	60%	72%	72%	67%	42%	33%	20%	20%	16%	14%	4%	0%	0%	0%
29F	29G			Midweek	0%	13%	34%	47%	55%	66%	54%	55%	34%	42%	25%	25%	17%	9%	0%	0%	0%
29F	29G			Weekend	8%	20%	51%	68%	73%	76%	62%	42%	24%	15%	8%	6%	1%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Gibson's	McDonald Beach	Planetarium	Sewell's East	Thunderbird Marina
29 Aug 2021	Weekend		calm/rippled	choppy		
30 Aug 2021	Midweek				calm/rippled	
31 Aug 2021	Midweek					
01 Sep 2021	Midweek				choppy	
02 Sep 2021	Midweek					
03 Sep 2021	Midweek					
04 Sep 2021	Weekend		choppy	choppy		
05 Sep 2021	Weekend			calm/rippled		calm/rippled
06 Sep 2021	Weekend					calm/rippled
07 Sep 2021	Midweek			calm/rippled		
08 Sep 2021	Midweek					
09 Sep 2021	Midweek					
10 Sep 2021	Midweek					
11 Sep 2021	Weekend		choppy			choppy
12 Sep 2021	Weekend	frequent whitecaps				
13 Sep 2021	Midweek					
14 Sep 2021	Midweek					
15 Sep 2021	Midweek					
16 Sep 2021	Midweek					
17 Sep 2021	Midweek					
18 Sep 2021	Weekend					
19 Sep 2021	Weekend					
20 Sep 2021	Midweek					
21 Sep 2021	Midweek	calm/rippled				
22 Sep 2021	Midweek					
23 Sep 2021	Midweek					
24 Sep 2021	Midweek					
25 Sep 2021	Weekend					
26 Sep 2021	Weekend					
27 Sep 2021	Midweek					
28 Sep 2021	Midweek					
29 Sep 2021	Midweek					
30 Sep 2021	Midweek					
01 Oct 2021	Midweek					
02 Oct 2021	Weekend					
03 Oct 2021	Weekend					