

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 29 July 2022



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



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	Gibson's Marina		Lady- smith	McDonald Beach		Planetarium		Sewell's West		Thunderbird Marina	
		PM	AM	PM	AM	AM	PM	AM	PM	AM	PM	AM	PM
28 Jun 2022	Midweek										1		
29 Jun 2022	Midweek									2			
30 Jun 2022	Midweek				2				1				
01 Jul 2022	Weekend	2	1									1	
02 Jul 2022	Weekend												
03 Jul 2022	Weekend									1			
04 Jul 2022	Midweek				1								
05 Jul 2022	Midweek												
06 Jul 2022	Midweek										1		
07 Jul 2022	Midweek												
08 Jul 2022	Midweek						4						
09 Jul 2022	Weekend						7						
10 Jul 2022	Weekend			3					1				
11 Jul 2022	Midweek												
12 Jul 2022	Midweek												
13 Jul 2022	Midweek												
14 Jul 2022	Midweek												
15 Jul 2022	Midweek												
16 Jul 2022	Weekend												
17 Jul 2022	Weekend												
18 Jul 2022	Midweek		2										
19 Jul 2022	Midweek						1	1					
20 Jul 2022	Midweek												
21 Jul 2022	Midweek												
22 Jul 2022	Midweek									1			
23 Jul 2022	Weekend												
24 Jul 2022	Weekend					3							
25 Jul 2022	Midweek												
26 Jul 2022	Midweek										2		
27 Jul 2022	Midweek												
28 Jul 2022	Midweek												
29 Jul 2022	Midweek		3										
30 Jul 2022	Weekend												1
31 Jul 2022	Weekend									3			
01 Aug 2022	Weekend												
02 Aug 2022	Midweek						3		1				
03 Aug 2022	Midweek			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-2022	Tuesday	choppy	2							
29-Jun-2022	Wednesday	choppy	2							
30-Jun-2022	Thursday	calm/rippled	3		1					
01-Jul-2022	Friday (Canada Day)	calm/rippled	6							
02-Jul-2022	Saturday		1					40	1210	81
03-Jul-2022	Sunday	calm/rippled	1							
04-Jul-2022	Monday	choppy	2							
05-Jul-2022	Tuesday		2					17	1122	31
06-Jul-2022	Wednesday	calm/rippled	1							
07-Jul-2022	Thursday		3							
08-Jul-2022	Friday	calm/rippled	5					24	1252	50
09-Jul-2022	Saturday	calm/rippled	11					24	1220	49
10-Jul-2022	Sunday	choppy	4					21	1212	43
11-Jul-2022	Monday		1							
12-Jul-2022	Tuesday		0							
13-Jul-2022	Wednesday		0					4	1212	10
14-Jul-2022	Thursday		0							
15-Jul-2022	Friday		3					11	1209	23
16-Jul-2022	Saturday		6	1						
17-Jul-2022	Sunday		3	1				25	1259	50
18-Jul-2022	Monday	choppy	2	1						
19-Jul-2022	Tuesday	calm/rippled	3					25	1204	45
20-Jul-2022	Wednesday		4							
21-Jul-2022	Thursday		2							
22-Jul-2022	Friday	choppy	2	4						
23-Jul-2022	Saturday		4	1						
24-Jul-2022	Sunday	calm/rippled	5	1				14	1127	31
25-Jul-2022	Monday		0							
26-Jul-2022	Tuesday	calm/rippled	4					9	1206	17
27-Jul-2022	Wednesday		3							
28-Jul-2022	Thursday		1							
29-Jul-2022	Friday	calm/rippled	6	4						
30-Jul-2022	Saturday	calm/rippled	2					23	1215	47
31-Jul-2022	Sunday	calm/rippled	3							
01-Aug-2022	Monday (B.C. Day)		2		2			45	1201	98
02-Aug-2022	Tuesday	calm/rippled	4					9	1204	17
03-Aug-2022	Wednesday	choppy	1		1					
	Totals	calm/rippled	44	9				15*		29*
	Totals	calm/rippled	46	4				25*		50*

* 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	29	20	580	0.205				119			
Weekend	50	11	550	0.087				48			

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	July	2993	368	142		
2018	July	1972	247	355		
2019	July	1744	242	190		0
2020	July	1864	128	433		0
2021	July	1416	247	157	0	0
2022	July	1338	460	13		0
5-Yr Avg	July	1998	246	255	0	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
Chinook	148	33%	1%	88	46%	2%	2

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	90	21%
iRec Anglers	2208	23%

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

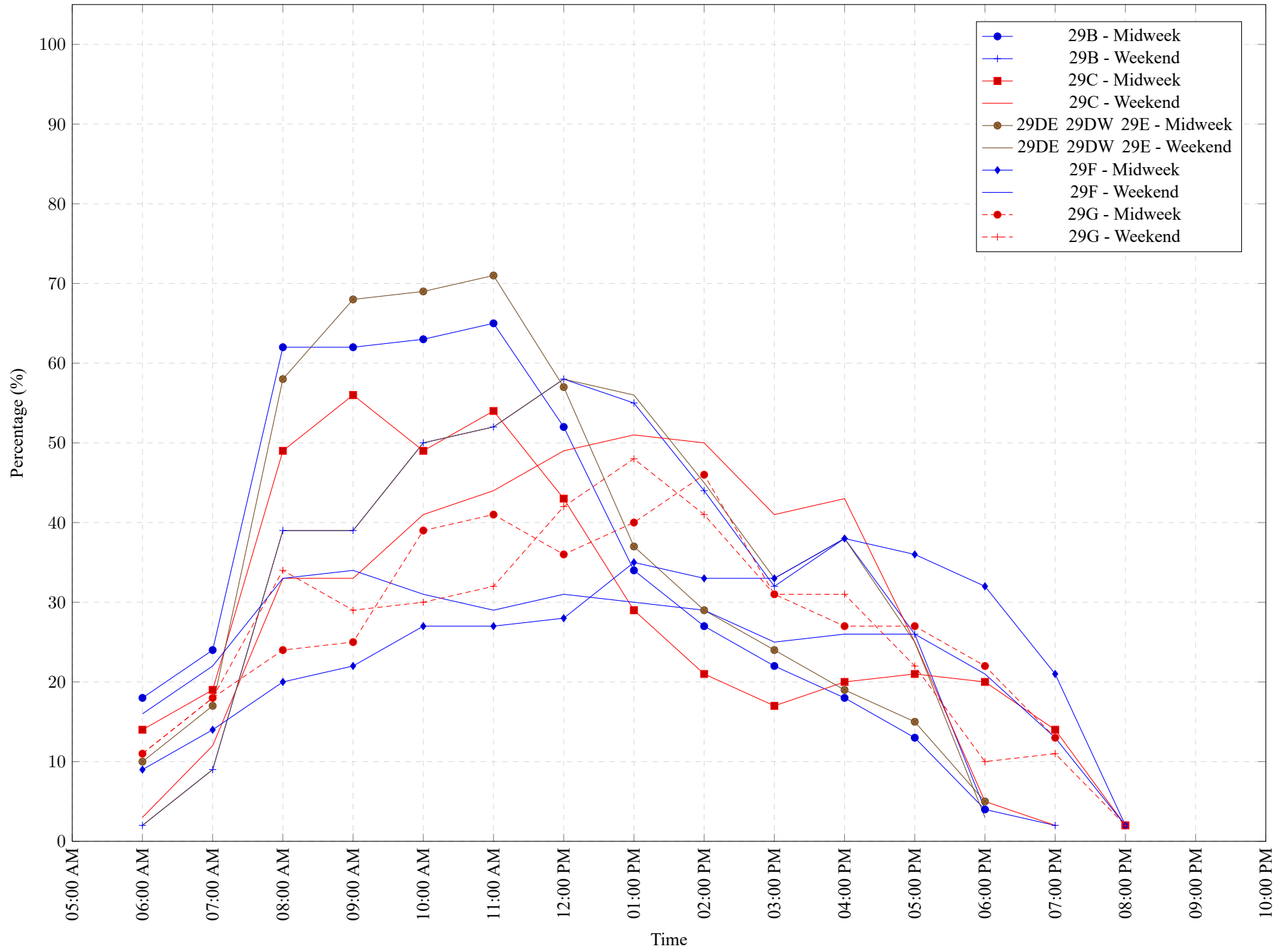


Table 7: Proportion of each day's fishing by hour.

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	18%	24%	62%	62%	63%	65%	52%	34%	27%	22%	18%	13%	4%	0%	0%	0%	0%
29B	Weekend	2%	9%	39%	39%	50%	52%	58%	55%	44%	32%	38%	26%	4%	2%	0%	0%	0%
29C	Midweek	14%	19%	49%	56%	49%	54%	43%	29%	21%	17%	20%	21%	20%	14%	2%	0%	0%
29C	Weekend	3%	12%	33%	33%	41%	44%	49%	51%	50%	41%	43%	25%	5%	2%	0%	0%	0%
29DE 29DW 29E	Midweek	10%	17%	58%	68%	69%	71%	57%	37%	29%	24%	19%	15%	5%	0%	0%	0%	0%
29DE 29DW 29E	Weekend	2%	9%	39%	39%	50%	52%	58%	56%	45%	33%	38%	25%	3%	0%	0%	0%	0%
29F	Midweek	9%	14%	20%	22%	27%	27%	28%	35%	33%	33%	38%	36%	32%	21%	2%	0%	0%
29F	Weekend	16%	22%	33%	34%	31%	29%	31%	30%	29%	25%	26%	26%	21%	13%	2%	0%	0%
29G	Midweek	11%	18%	24%	25%	39%	41%	36%	40%	46%	31%	27%	27%	22%	13%	0%	0%	0%
29G	Weekend	11%	18%	34%	29%	30%	32%	42%	48%	41%	31%	31%	22%	10%	11%	2%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Crofton Ramp	Gibson's Marina	Ladysmith	McDonald Beach	Planetarium	Sewell's West	Thunderbird Marina
28 Jun 2022	Midweek						choppy	
29 Jun 2022	Midweek						choppy	
30 Jun 2022	Midweek			calm/rippled		choppy		
01 Jul 2022	Weekend	choppy	choppy					calm/rippled
02 Jul 2022	Weekend							
03 Jul 2022	Weekend						calm/rippled	
04 Jul 2022	Midweek			choppy				
05 Jul 2022	Midweek							
06 Jul 2022	Midweek						calm/rippled	
07 Jul 2022	Midweek							
08 Jul 2022	Midweek				calm/rippled			
09 Jul 2022	Weekend				calm/rippled			
10 Jul 2022	Weekend		choppy			calm/rippled		
11 Jul 2022	Midweek							
12 Jul 2022	Midweek							
13 Jul 2022	Midweek							
14 Jul 2022	Midweek							
15 Jul 2022	Midweek							
16 Jul 2022	Weekend							
17 Jul 2022	Weekend							
18 Jul 2022	Midweek		choppy					
19 Jul 2022	Midweek				calm/rippled	choppy		
20 Jul 2022	Midweek							
21 Jul 2022	Midweek							
22 Jul 2022	Midweek						choppy	
23 Jul 2022	Weekend							
24 Jul 2022	Weekend				calm/rippled			
25 Jul 2022	Midweek							
26 Jul 2022	Midweek						calm/rippled	
27 Jul 2022	Midweek							
28 Jul 2022	Midweek							
29 Jul 2022	Midweek		calm/rippled					
30 Jul 2022	Weekend							calm/rippled
31 Jul 2022	Weekend						calm/rippled	
01 Aug 2022	Weekend							
02 Aug 2022	Midweek				calm/rippled	calm/rippled		
03 Aug 2022	Midweek		choppy					