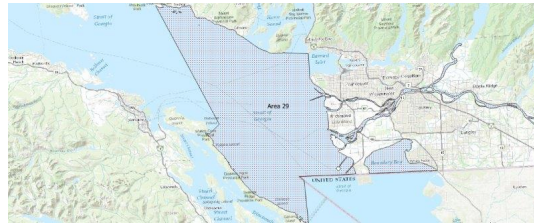


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 29 June 2023



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 8th February, 2024



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	Ladysmith		McDon- ald Beach	Planetar- ium	Sewell's East		Thunder- bird Marina
		PM	PM	AM	PM	PM	PM	AM	PM	AM
29 May 2023	Midweek									
30 May 2023	Midweek									
31 May 2023	Midweek									
01 Jun 2023	Midweek		2				1			
02 Jun 2023	Midweek									
03 Jun 2023	Weekend	2								
04 Jun 2023	Weekend									
05 Jun 2023	Midweek									
06 Jun 2023	Midweek									
07 Jun 2023	Midweek									
08 Jun 2023	Midweek									
09 Jun 2023	Midweek									
10 Jun 2023	Weekend						1			
11 Jun 2023	Weekend									
12 Jun 2023	Midweek									
13 Jun 2023	Midweek									
14 Jun 2023	Midweek									
15 Jun 2023	Midweek			1						
16 Jun 2023	Midweek								3	
17 Jun 2023	Weekend									2
18 Jun 2023	Weekend	1								
19 Jun 2023	Midweek				1					
20 Jun 2023	Midweek									
21 Jun 2023	Midweek									
22 Jun 2023	Midweek							3		
23 Jun 2023	Midweek									
24 Jun 2023	Weekend					9				
25 Jun 2023	Weekend									
26 Jun 2023	Midweek									
27 Jun 2023	Midweek									
28 Jun 2023	Midweek									
29 Jun 2023	Midweek					3				
30 Jun 2023	Midweek									
01 Jul 2023	Weekend									
02 Jul 2023	Weekend							3		
03 Jul 2023	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-May-2023	Monday		0							
30-May-2023	Tuesday		1							
31-May-2023	Wednesday		0							
01-Jun-2023	Thursday	choppy	3		1					
02-Jun-2023	Friday		0							
03-Jun-2023	Saturday	choppy	6		2			57	1230	111
04-Jun-2023	Sunday		0							
05-Jun-2023	Monday		0					0	1213	0
06-Jun-2023	Tuesday		0							
07-Jun-2023	Wednesday		1		1					
08-Jun-2023	Thursday		4					20	1222	54
09-Jun-2023	Friday		1		4					
10-Jun-2023	Saturday	calm/rippled	5		2					
11-Jun-2023	Sunday		1					2	1233	4
12-Jun-2023	Monday		1							
13-Jun-2023	Tuesday		0							
14-Jun-2023	Wednesday		1							
15-Jun-2023	Thursday	choppy	9		2			12	1224	32
16-Jun-2023	Friday	choppy	3		8					
17-Jun-2023	Saturday	choppy	2					20	1225	39
18-Jun-2023	Sunday	calm/rippled	2		4					
19-Jun-2023	Monday	calm/rippled	1		2					
20-Jun-2023	Tuesday		4		8					
21-Jun-2023	Wednesday		1							
22-Jun-2023	Thursday	calm/rippled	4		18					
23-Jun-2023	Friday		3		11					
24-Jun-2023	Saturday	choppy	9		1			9	1240	18
25-Jun-2023	Sunday		4		9					
26-Jun-2023	Monday		1		3					
27-Jun-2023	Tuesday		1							
28-Jun-2023	Wednesday		0							
29-Jun-2023	Thursday	choppy	4	1	4					
30-Jun-2023	Friday		1		4			32	1145	83
01-Jul-2023	Saturday		2		8			43	1223	85
02-Jul-2023	Sunday	large swells	3					6	1155	11
03-Jul-2023	Monday (Canada Day)		0							
	Totals	choppy	43	1	66			16*		42*
	Totals	choppy	29		18			22*		43*

* 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	42	22	924	0.023	1.535			21	1418		
Weekend	43	8	344		0.621				214		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	June	1970	435	307		
2019	June	1023	8	94		0
2020	June	1741	4	86		4
2021	June	1207	0	0		0
2022	June	736	0	32		0
2023	June	1361	1	2083		0
5-Yr Avg	June	1335	89	104		1

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	2035	98%	1%	713	96%	3%	19

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	72	26%
iRec Anglers	1690	18%

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

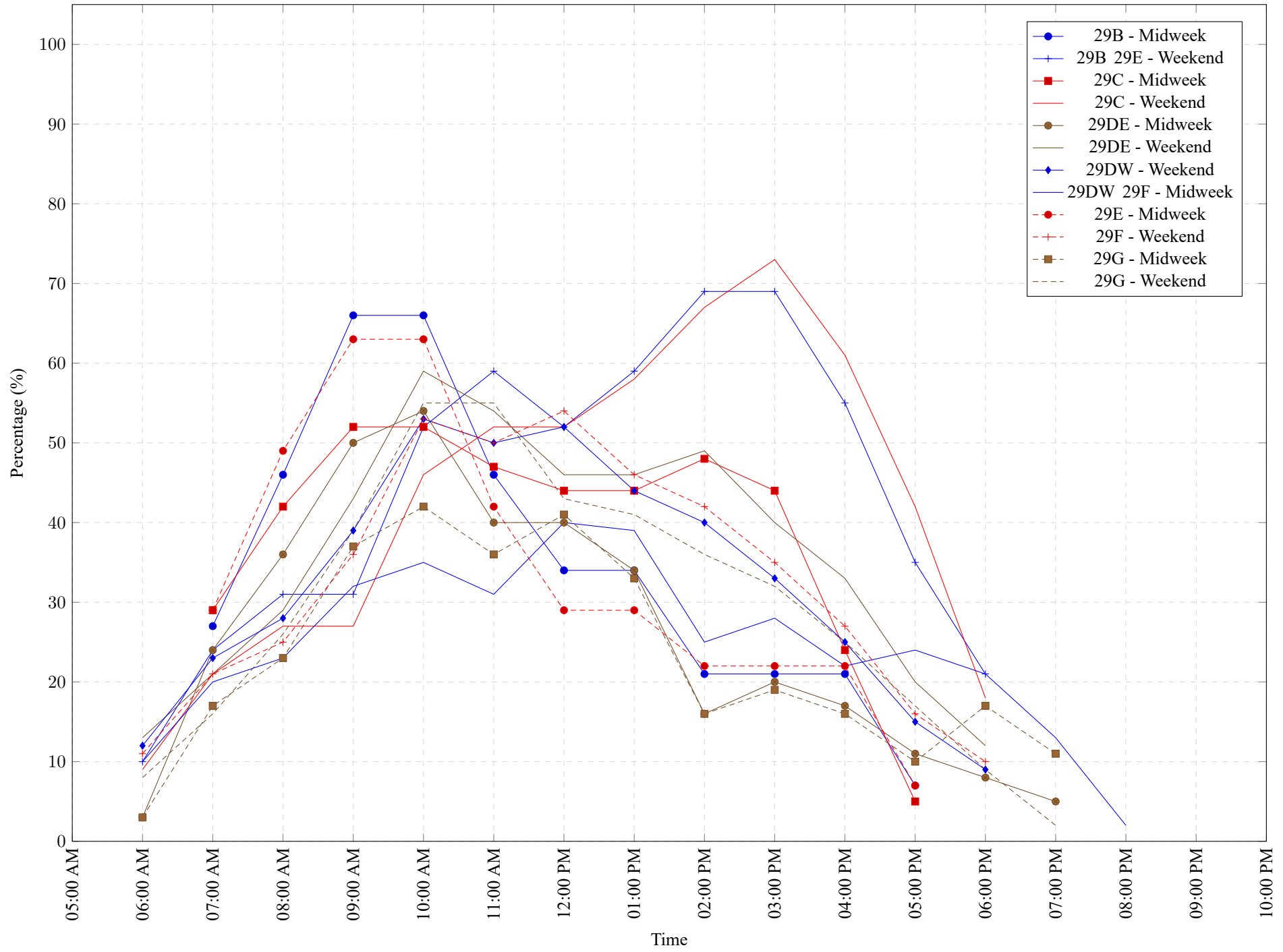


Table 7: Proportion of each day's fishing by hour.

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	0%	27%	46%	66%	66%	46%	34%	34%	21%	21%	21%	7%	0%	0%	0%	0%	0%
29B 29E	Weekend	10%	24%	31%	31%	52%	59%	52%	59%	69%	69%	55%	35%	21%	0%	0%	0%	0%
29C	Midweek	0%	29%	42%	52%	52%	47%	44%	44%	48%	44%	24%	5%	0%	0%	0%	0%	0%
29C	Weekend	9%	21%	27%	27%	46%	52%	52%	58%	67%	73%	61%	42%	18%	0%	0%	0%	0%
29DE	Midweek	3%	24%	36%	50%	54%	40%	40%	34%	16%	20%	17%	11%	8%	5%	0%	0%	0%
29DE	Weekend	13%	21%	29%	43%	59%	54%	46%	46%	49%	40%	33%	20%	12%	0%	0%	0%	0%
29DW	Weekend	12%	23%	28%	39%	53%	50%	52%	44%	40%	33%	25%	15%	9%	0%	0%	0%	0%
29DW 29F	Midweek	10%	20%	23%	32%	35%	31%	40%	39%	25%	28%	22%	24%	21%	13%	2%	0%	0%
29E	Midweek	0%	29%	49%	63%	63%	42%	29%	29%	22%	22%	22%	7%	0%	0%	0%	0%	0%
29F	Weekend	11%	21%	25%	36%	53%	50%	54%	46%	42%	35%	27%	16%	10%	0%	0%	0%	0%
29G	Midweek	3%	17%	23%	37%	42%	36%	41%	33%	16%	19%	16%	10%	17%	11%	0%	0%	0%
29G	Weekend	8%	16%	26%	39%	55%	55%	43%	41%	36%	32%	25%	17%	9%	2%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Crofton Ramp	Gibson's Marina	Ladysmith	McDonald Beach	Planetarium	Sewell's East	Thunderbird Marina
29 May 2023	Midweek							
30 May 2023	Midweek							
31 May 2023	Midweek							
01 Jun 2023	Midweek		choppy			calm/rippled		
02 Jun 2023	Midweek							
03 Jun 2023	Weekend	choppy						
04 Jun 2023	Weekend							
05 Jun 2023	Midweek							
06 Jun 2023	Midweek							
07 Jun 2023	Midweek							
08 Jun 2023	Midweek							
09 Jun 2023	Midweek							
10 Jun 2023	Weekend					calm/rippled		
11 Jun 2023	Weekend							
12 Jun 2023	Midweek							
13 Jun 2023	Midweek							
14 Jun 2023	Midweek							
15 Jun 2023	Midweek			choppy				
16 Jun 2023	Midweek						choppy	
17 Jun 2023	Weekend							choppy
18 Jun 2023	Weekend	calm/rippled						
19 Jun 2023	Midweek			calm/rippled				
20 Jun 2023	Midweek							
21 Jun 2023	Midweek							
22 Jun 2023	Midweek						calm/rippled	
23 Jun 2023	Midweek							
24 Jun 2023	Weekend				choppy			
25 Jun 2023	Weekend							
26 Jun 2023	Midweek							
27 Jun 2023	Midweek							
28 Jun 2023	Midweek							
29 Jun 2023	Midweek				choppy			
30 Jun 2023	Midweek							
01 Jul 2023	Weekend							
02 Jul 2023	Weekend						large swells	
03 Jul 2023	Weekend							