

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 29 August 2024



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 10th October, 2024



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Canada

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Canada



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

		Cates Park Boat Ramp	Cooper's Green	Gibson's Marina		Ladysmith		McDonald Beach		Planetar- ium	Porteau Cove	Rocky Point Public Boat Launch	Sewell's East	Squamish Boat Launch		Thunderbird Marina		
Date	Day Type	AM	PM	AM	PM	AM	PM	AM	PM	PM	AM	AM	PM	AM	PM	AM	PM	
29 Jul 2024	Midweek																	
30 Jul 2024	Midweek									3								
31 Jul 2024	Midweek										1							
01 Aug 2024	Midweek																	
02 Aug 2024	Midweek													1				
03 Aug 2024	Weekend												1					
04 Aug 2024	Weekend																	
05 Aug 2024	Weekend			1								1						
06 Aug 2024	Midweek											1						
07 Aug 2024	Midweek																	
08 Aug 2024	Midweek																	
09 Aug 2024	Midweek			4							4							
10 Aug 2024	Weekend	2																
11 Aug 2024	Weekend			6														
12 Aug 2024	Midweek																	
13 Aug 2024	Midweek			6														
14 Aug 2024	Midweek									1								
15 Aug 2024	Midweek																	
16 Aug 2024	Midweek																	
17 Aug 2024	Weekend			6														
18 Aug 2024	Weekend																	
19 Aug 2024	Midweek																	
20 Aug 2024	Midweek			5														
21 Aug 2024	Midweek																	
22 Aug 2024	Midweek												1					
23 Aug 2024	Midweek		1							6								
24 Aug 2024	Weekend																	
25 Aug 2024	Weekend									2								
26 Aug 2024	Midweek																	
27 Aug 2024	Midweek																	
28 Aug 2024	Midweek																	
29 Aug 2024	Midweek																	
30 Aug 2024	Midweek																	
31 Aug 2024	Weekend			4														
01 Sep 2024	Weekend			8							13				3			
02 Sep 2024	Weekend			13		2					38							
03 Sep 2024	Midweek													1		3		

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-Jul-2024	Monday		0							
30-Jul-2024	Tuesday	calm/rippled	3							
31-Jul-2024	Wednesday	calm/rippled	1		3					
01-Aug-2024	Thursday		0							
02-Aug-2024	Friday	calm/rippled	1		1			81	1220	154
03-Aug-2024	Saturday		0					101	1232	178
04-Aug-2024	Sunday	calm/rippled	1							
05-Aug-2024	Monday (B.C. Day)	choppy	1		1					
06-Aug-2024	Tuesday	choppy	1							
07-Aug-2024	Wednesday		0					42	1148	80
08-Aug-2024	Thursday		0							
09-Aug-2024	Friday	calm/rippled	8	2	3					
10-Aug-2024	Saturday	calm/rippled	2		2					
11-Aug-2024	Sunday	frequent whitecaps	6	2	1			34	1315	62
12-Aug-2024	Monday		0							
13-Aug-2024	Tuesday	calm/rippled	6	1						
14-Aug-2024	Wednesday	calm/rippled	1	2	1					
15-Aug-2024	Thursday		1							
16-Aug-2024	Friday		0					28	1223	55
17-Aug-2024	Saturday	calm/rippled	6	4	1					
18-Aug-2024	Sunday		0							
19-Aug-2024	Monday		0					50	1216	95
20-Aug-2024	Tuesday	calm/rippled	5		1					
21-Aug-2024	Wednesday		0							
22-Aug-2024	Thursday	choppy	1		1					
23-Aug-2024	Friday	choppy	7		1					
24-Aug-2024	Saturday		0					24	1217	41
25-Aug-2024	Sunday	choppy	2	1				63	1214	110
26-Aug-2024	Monday		0							
27-Aug-2024	Tuesday		0							
28-Aug-2024	Wednesday		0					21	1213	41
29-Aug-2024	Thursday		0							
30-Aug-2024	Friday		0							
31-Aug-2024	Saturday	calm/rippled	4	1	2			13	1240	23
01-Sep-2024	Sunday	choppy	26	70	2					
02-Sep-2024	Monday (Labour Day)	calm/rippled	56	129	23			428	1228	747
03-Sep-2024	Tuesday	calm/rippled	5	11						
	Totals	calm/rippled	31	5	8			44*		85*
	Totals	choppy	22	8	7			47*		83*

* 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	83	10	830	0.364	0.318			302	264		
Midweek	85	21	1785	0.161	0.258			287	461		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2019	August	7253	7308	250	0	0
2020	August	1675	66	256		0
2021	August	2067	270	204	0	0
2022	August	1895	368	254	0	0
2023	August	3609	749	1166		0
2024	August	2722	1065	1473		0
5-Yr Avg	August	3300	1752	426	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
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Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	52	4%

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

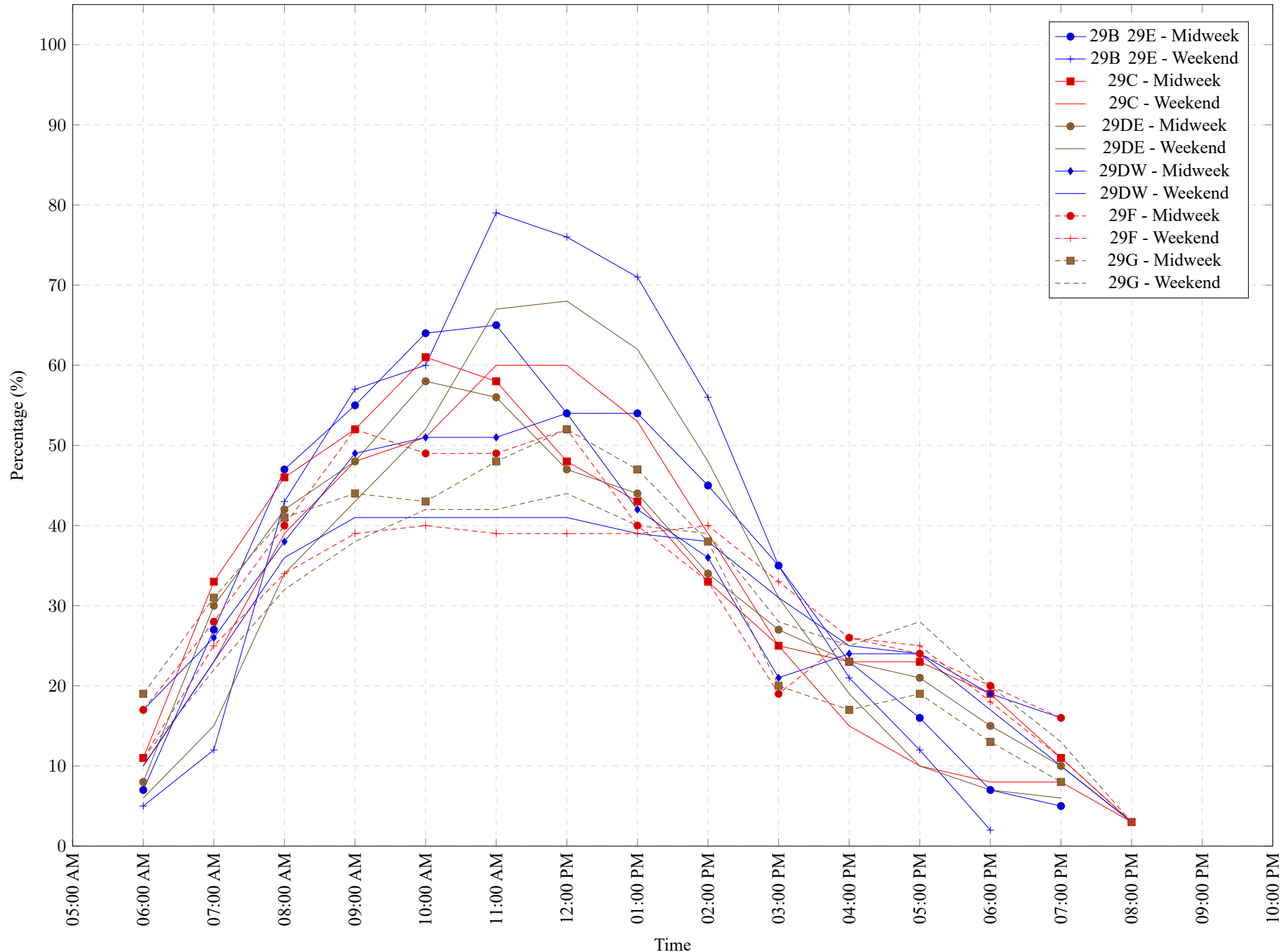


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00	7:00	8:00	9:00	10:00	11:00	12:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00
		AM	AM	AM	AM	AM	AM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
29B 29E	Midweek	7%	27%	47%	55%	64%	65%	54%	54%	45%	35%	23%	16%	7%	5%	0%	0%	0%
29B 29E	Weekend	5%	12%	43%	57%	60%	79%	76%	71%	56%	35%	21%	12%	2%	0%	0%	0%	0%
29C	Midweek	11%	33%	46%	52%	61%	58%	48%	43%	33%	25%	23%	23%	19%	11%	3%	0%	0%
29C	Weekend	10%	23%	39%	48%	51%	60%	60%	53%	39%	25%	15%	10%	8%	8%	3%	0%	0%
29DE	Midweek	8%	30%	42%	48%	58%	56%	47%	44%	34%	27%	23%	21%	15%	10%	3%	0%	0%
29DE	Weekend	6%	15%	34%	43%	52%	67%	68%	62%	48%	31%	19%	10%	7%	6%	0%	0%	0%
29DW	Midweek	17%	26%	38%	49%	51%	51%	54%	42%	36%	21%	24%	24%	19%	16%	0%	0%	0%
29DW	Weekend	10%	23%	36%	41%	41%	41%	41%	39%	38%	31%	25%	24%	17%	10%	3%	0%	0%
29F	Midweek	17%	28%	40%	52%	49%	49%	52%	40%	33%	19%	26%	24%	20%	16%	0%	0%	0%
29F	Weekend	11%	25%	34%	39%	40%	39%	39%	39%	40%	33%	26%	25%	18%	11%	3%	0%	0%
29G	Midweek	19%	31%	41%	44%	43%	48%	52%	47%	38%	20%	17%	19%	13%	8%	0%	0%	0%
29G	Weekend	11%	22%	32%	38%	42%	42%	44%	40%	39%	28%	25%	28%	20%	13%	3%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Cates Park Boat Ramp	Cooper's Green	Gibson's Marina	Ladysmith	McDonald Beach	Planetarium	Porteau Cove	Rocky Point Public Boat Launch	Sewell's East	Squamish Boat Launch	Thunderbird Marina
29 Jul 2024	Midweek											
30 Jul 2024	Midweek					calm/rippled						
31 Jul 2024	Midweek							calm/rippled				
01 Aug 2024	Midweek											
02 Aug 2024	Midweek											calm/rippled
03 Aug 2024	Weekend											
04 Aug 2024	Weekend									calm/rippled		
05 Aug 2024	Weekend				choppy							
06 Aug 2024	Midweek								choppy			
07 Aug 2024	Midweek											
08 Aug 2024	Midweek											
09 Aug 2024	Midweek			calm/rippled			choppy					
10 Aug 2024	Weekend	calm/rippled										
11 Aug 2024	Weekend			frequent whitecaps								
12 Aug 2024	Midweek											
13 Aug 2024	Midweek			calm/rippled								
14 Aug 2024	Midweek					calm/rippled						
15 Aug 2024	Midweek											
16 Aug 2024	Midweek											
17 Aug 2024	Weekend					calm/rippled						
18 Aug 2024	Weekend											
19 Aug 2024	Midweek											
20 Aug 2024	Midweek			calm/rippled								
21 Aug 2024	Midweek											
22 Aug 2024	Midweek									choppy		
23 Aug 2024	Midweek		choppy			choppy						
24 Aug 2024	Weekend											
25 Aug 2024	Weekend					choppy						
26 Aug 2024	Midweek											
27 Aug 2024	Midweek											
28 Aug 2024	Midweek											
29 Aug 2024	Midweek											
30 Aug 2024	Midweek											
31 Aug 2024	Weekend			calm/rippled								
01 Sep 2024	Weekend			calm/rippled							calm/rippled	
02 Sep 2024	Weekend			choppy	choppy	choppy	calm/rippled					
03 Sep 2024	Midweek										calm/rippled	calm/rippled