

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 29 August 2023



Prepared By:

South Coast Salmon Stock Assessment Section

Saturday 10th 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.

		Cooper's Green	Crofton Ramp		Gibson's Marina		Ladysmith		McDonald Beach		Planetarium		Porteau Cove	Sewell's East		Thunderbird Marina
Date	Day Type	AM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	AM	PM	AM
29 Jul 2023	Weekend		3													
30 Jul 2023	Weekend															
31 Jul 2023	Midweek															
01 Aug 2023	Midweek													4		
02 Aug 2023	Midweek												1			
03 Aug 2023	Midweek		6													
04 Aug 2023	Midweek		4													
05 Aug 2023	Weekend		7													
06 Aug 2023	Weekend		5													
07 Aug 2023	Weekend		5													
08 Aug 2023	Midweek		1													
09 Aug 2023	Midweek															
10 Aug 2023	Midweek													2		
11 Aug 2023	Midweek															2
12 Aug 2023	Weekend		1										1			
13 Aug 2023	Weekend		1													
14 Aug 2023	Midweek															
15 Aug 2023	Midweek												1			
16 Aug 2023	Midweek	1														
17 Aug 2023	Midweek		7													
18 Aug 2023	Midweek															
19 Aug 2023	Weekend															
20 Aug 2023	Weekend															
21 Aug 2023	Midweek															
22 Aug 2023	Midweek															
23 Aug 2023	Midweek															
24 Aug 2023	Midweek												1			
25 Aug 2023	Midweek															
26 Aug 2023	Weekend		11													
27 Aug 2023	Weekend													1		
28 Aug 2023	Midweek															
29 Aug 2023	Midweek															
30 Aug 2023	Midweek															
31 Aug 2023	Midweek		1													
01 Sep 2023	Midweek		3													
02 Sep 2023	Weekend	1	6											14		
03 Sep 2023	Weekend		7													

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-2023	Saturday	choppy	3		2					
30-Jul-2023	Sunday		0							
31-Jul-2023	Monday		1		2					
01-Aug-2023	Tuesday	calm/rippled	6		4					
02-Aug-2023	Wednesday	calm/rippled	3		2			48	1153	143
03-Aug-2023	Thursday	choppy	6	2	4					
04-Aug-2023	Friday	calm/rippled	7	2	3					
05-Aug-2023	Saturday	calm/rippled	14	2	3					
06-Aug-2023	Sunday		2		1			94	1209	173
07-Aug-2023	Monday (B.C. Day)	choppy	9		2			133	1219	306
08-Aug-2023	Tuesday	choppy	3	2						
09-Aug-2023	Wednesday		0					10	1157	31
10-Aug-2023	Thursday	calm/rippled	4		1					
11-Aug-2023	Friday	calm/rippled	5		3					
12-Aug-2023	Saturday	calm/rippled	3	1	3					
13-Aug-2023	Sunday	choppy	1					4	1232	9
14-Aug-2023	Monday		0							
15-Aug-2023	Tuesday	frequent whitecaps	1	2				6	1221	22
16-Aug-2023	Wednesday	calm/rippled	1							
17-Aug-2023	Thursday	choppy	7							
18-Aug-2023	Friday		0							
19-Aug-2023	Saturday		0					4	1322	11
20-Aug-2023	Sunday		0							
21-Aug-2023	Monday		0							
22-Aug-2023	Tuesday		1					7	1221	25
23-Aug-2023	Wednesday		3	1						
24-Aug-2023	Thursday	choppy	1	1						
25-Aug-2023	Friday		2							
26-Aug-2023	Saturday	choppy	11		1			67	1247	183
27-Aug-2023	Sunday	calm/rippled	1							
28-Aug-2023	Monday		1							
29-Aug-2023	Tuesday		1							
30-Aug-2023	Wednesday		0					46	1201	153
31-Aug-2023	Thursday	choppy	1							
01-Sep-2023	Friday	large swells	3	3	1			33	1200	115
02-Sep-2023	Saturday	choppy	25	36	2					
03-Sep-2023	Sunday	calm/rippled	10	16	3					
	Totals	choppy	53	10	17			23*		75*
	Totals	choppy	41	3	10			60*		136*

* 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	75	22	1650	0.189	0.321			312	530		
Weekend	136	9	1224	0.073	0.244			89	299		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	August	10610	2086	816	23303	
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
5-Yr Avg	August	4700	2020	356	5826	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	1003	86%	0%	1403	88%	0%	5
Chinook	162	22%	1%	177	33%	1%	2

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	93	9%
iRec Anglers	4513	9%

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

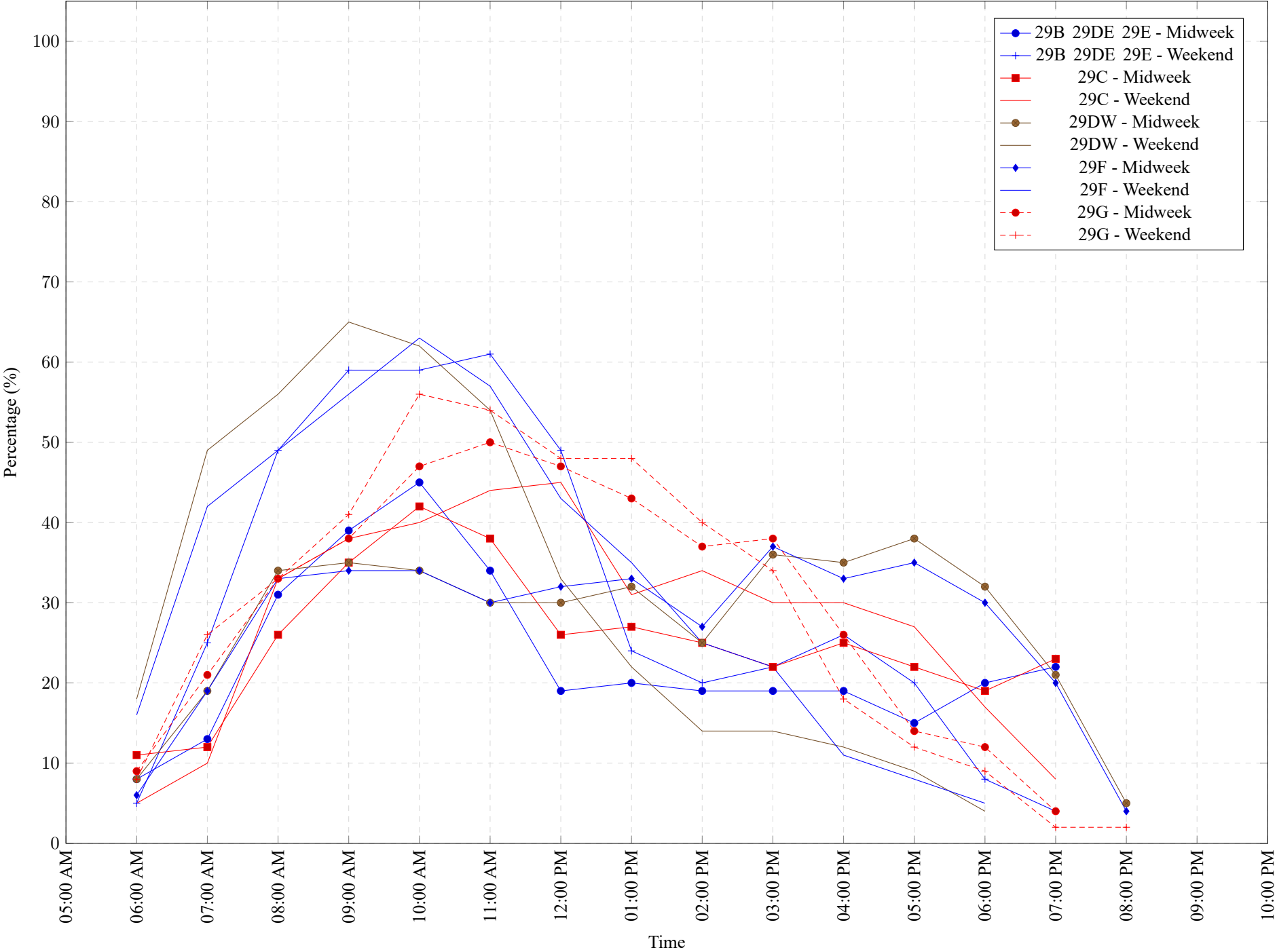


Table 7: Proportion of each day's fishing by hour.

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	29E	Midweek	8%	13%	31%	39%	45%	34%	19%	20%	19%	19%	19%	15%	20%	22%	0%	0%	0%
29B	29DE	29E	Weekend	5%	25%	49%	59%	59%	61%	49%	24%	20%	22%	26%	20%	8%	4%	0%	0%	0%
29C			Midweek	11%	12%	26%	35%	42%	38%	26%	27%	25%	22%	25%	22%	19%	23%	0%	0%	0%
29C			Weekend	5%	10%	33%	38%	40%	44%	45%	31%	34%	30%	30%	27%	17%	8%	0%	0%	0%
29DW			Midweek	8%	19%	34%	35%	34%	30%	30%	32%	25%	36%	35%	38%	32%	21%	5%	0%	0%
29DW			Weekend	18%	49%	56%	65%	62%	54%	33%	22%	14%	14%	12%	9%	4%	0%	0%	0%	0%
29F			Midweek	6%	19%	33%	34%	34%	30%	32%	33%	27%	37%	33%	35%	30%	20%	4%	0%	0%
29F			Weekend	16%	42%	49%	56%	63%	57%	43%	35%	25%	22%	11%	8%	5%	0%	0%	0%	0%
29G			Midweek	9%	21%	33%	38%	47%	50%	47%	43%	37%	38%	26%	14%	12%	4%	0%	0%	0%
29G			Weekend	8%	26%	33%	41%	56%	54%	48%	48%	40%	34%	18%	12%	9%	2%	2%	0%	0%

Table 8: Daily Fishing Conditions.

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