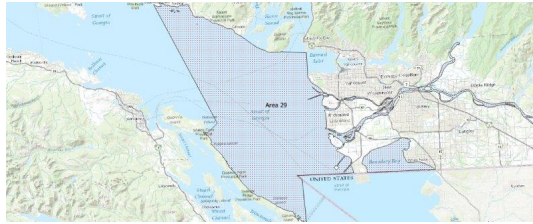


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 29 September 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Saturday 10th February, 2024



Fisheries and Oceans
Canada

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Canada



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

		Brechin	Cooper's Green	Crofton Ramp	Gibson's Marina	Lady- smith	McDonald Beach		Planetarium		Selma Park Ramp	Sewell's East		Thunder- bird Marina
Date	Day Type	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	AM	PM	PM
29 Aug 2023	Midweek													
30 Aug 2023	Midweek													
31 Aug 2023	Midweek			1										
01 Sep 2023	Midweek						3							
02 Sep 2023	Weekend		1	7		6		14						
03 Sep 2023	Weekend													
04 Sep 2023	Weekend													
05 Sep 2023	Midweek	1								2				
06 Sep 2023	Midweek			3							1			
07 Sep 2023	Midweek													
08 Sep 2023	Midweek						4							
09 Sep 2023	Weekend													
10 Sep 2023	Weekend								2					
11 Sep 2023	Midweek				1									
12 Sep 2023	Midweek							2						
13 Sep 2023	Midweek													5
14 Sep 2023	Midweek													
15 Sep 2023	Midweek													
16 Sep 2023	Weekend						6							
17 Sep 2023	Weekend													
18 Sep 2023	Midweek													
19 Sep 2023	Midweek													
20 Sep 2023	Midweek													
21 Sep 2023	Midweek											1		
22 Sep 2023	Midweek				4									
23 Sep 2023	Weekend				2									
24 Sep 2023	Weekend			3									1	
25 Sep 2023	Midweek													
26 Sep 2023	Midweek													
27 Sep 2023	Midweek													
28 Sep 2023	Midweek													
29 Sep 2023	Midweek													
30 Sep 2023	Weekend													
01 Oct 2023	Weekend													
02 Oct 2023	Midweek													
03 Oct 2023	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
29-Aug-2023	Tuesday		1							
30-Aug-2023	Wednesday		0					46	1201	70
31-Aug-2023	Thursday	choppy	1							
01-Sep-2023	Friday	large swells	3	3	1			33	1200	50
02-Sep-2023	Saturday	choppy	25	36	2					
03-Sep-2023	Sunday	calm/rippled	10	16	3					
04-Sep-2023	Monday (Labour Day)		6	12	1			259	1145	352
05-Sep-2023	Tuesday	choppy	4	8	1					
06-Sep-2023	Wednesday	calm/rippled	5	5	2					
07-Sep-2023	Thursday		2	6	2			146	1105	234
08-Sep-2023	Friday	calm/rippled	8	9	2					
09-Sep-2023	Saturday		3	3	3			322	1214	440
10-Sep-2023	Sunday	calm/rippled	3		1					
11-Sep-2023	Monday	calm/rippled	3	4	1					
12-Sep-2023	Tuesday	choppy	2	1	2					
13-Sep-2023	Wednesday	calm/rippled	8	8	3					
14-Sep-2023	Thursday		0							
15-Sep-2023	Friday		0					189	1159	284
16-Sep-2023	Saturday	calm/rippled	9	6	4			259	1143	354
17-Sep-2023	Sunday		2	6	1					
18-Sep-2023	Monday		0							
19-Sep-2023	Tuesday		0							
20-Sep-2023	Wednesday		0							
21-Sep-2023	Thursday	choppy	1	2	1					
22-Sep-2023	Friday	calm/rippled	7	6	2					
23-Sep-2023	Saturday	choppy	3	2	2					
24-Sep-2023	Sunday	choppy	5	7	1			84	1301	122
25-Sep-2023	Monday		0							
26-Sep-2023	Tuesday		0							
27-Sep-2023	Wednesday		0							
28-Sep-2023	Thursday		0					18	1156	27
29-Sep-2023	Friday		0							
30-Sep-2023	Saturday		0							
01-Oct-2023	Sunday		1	4	1			45	1205	61
02-Oct-2023	Monday		0							
03-Oct-2023	Tuesday	choppy	2	1	1					
	Totals	choppy	43	52	17			97*		149*
	Totals	choppy	66	88	18			231*		317*

* 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	317	10	3170	1.333	0.273			4226	865		
Midweek	149	20	2980	1.209	0.395			3603	1177		

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

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
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
2022	September	7037	7869	1618	739	0
2023	September	6181	8021	1599	0	0
5-Yr Avg	September	5872	2887	611	5389	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	1561	98%	1%	1466	89%	1%	11
Chinook	94	1%	1%	1315	24%	0%	1

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	100	4%
iRec Anglers	8480	8%

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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	29C	29DE	29E	Midweek	0%	9%	39%	43%	58%	63%	74%	61%	44%	38%	41%	19%	2%	0%	0%	0%	0%
29B	29C	29DE	29E	Weekend	0%	16%	50%	59%	72%	76%	72%	65%	53%	52%	39%	24%	15%	0%	0%	0%	0%
29DW				Midweek	0%	11%	25%	32%	41%	58%	59%	62%	52%	53%	43%	17%	6%	0%	0%	0%	0%
29DW				Weekend	4%	20%	42%	55%	70%	72%	79%	76%	62%	58%	45%	37%	19%	2%	0%	0%	0%
29F	29G			Midweek	0%	9%	34%	50%	59%	64%	57%	52%	35%	27%	21%	11%	2%	0%	0%	0%	0%
29F	29G			Weekend	7%	22%	41%	52%	63%	69%	73%	69%	55%	51%	40%	32%	18%	1%	0%	0%	0%

Table 8: Daily Fishing Conditions.

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