

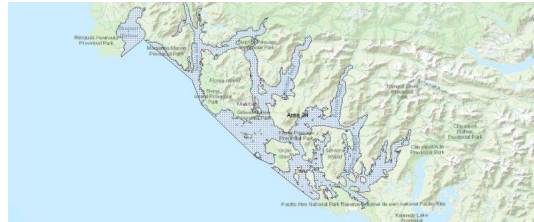
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 24 September 2023



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*Prepared By:*

South Coast Salmon Stock Assessment Section

Saturday 13<sup>th</sup> January, 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 | Method Marine<br>(Fuel Dock) |    | Tofino Resort and Marina |    |    |
|-------------|----------|------------------------------|----|--------------------------|----|----|
|             |          | MD                           | PM | AM                       | MD | PM |
| 29 Aug 2023 | Midweek  | 2                            |    |                          | 6  | 9  |
| 30 Aug 2023 | Midweek  |                              |    |                          |    |    |
| 31 Aug 2023 | Midweek  |                              |    |                          |    |    |
| 01 Sep 2023 | Midweek  | 7                            |    |                          | 12 | 7  |
| 02 Sep 2023 | Weekend  |                              |    |                          |    |    |
| 03 Sep 2023 | Weekend  |                              |    |                          |    |    |
| 04 Sep 2023 | Weekend  |                              |    |                          | 8  |    |
| 05 Sep 2023 | Midweek  |                              |    |                          |    |    |
| 06 Sep 2023 | Midweek  |                              |    |                          |    |    |
| 07 Sep 2023 | Midweek  |                              |    |                          |    | 9  |
| 08 Sep 2023 | Midweek  |                              |    |                          |    |    |
| 09 Sep 2023 | Weekend  |                              |    |                          |    |    |
| 10 Sep 2023 | Weekend  |                              |    |                          | 10 |    |
| 11 Sep 2023 | Midweek  |                              |    |                          |    |    |
| 12 Sep 2023 | Midweek  |                              |    |                          |    |    |
| 13 Sep 2023 | Midweek  |                              |    |                          | 12 |    |
| 14 Sep 2023 | Midweek  |                              |    |                          |    |    |
| 15 Sep 2023 | Midweek  |                              |    |                          |    |    |
| 16 Sep 2023 | Weekend  |                              |    |                          | 14 |    |
| 17 Sep 2023 | Weekend  |                              |    |                          |    |    |
| 18 Sep 2023 | Midweek  |                              |    |                          |    |    |
| 19 Sep 2023 | Midweek  |                              |    |                          | 2  |    |
| 20 Sep 2023 | Midweek  |                              |    |                          |    |    |
| 21 Sep 2023 | Midweek  |                              |    |                          |    |    |
| 22 Sep 2023 | Midweek  |                              |    | 3                        |    | 11 |
| 23 Sep 2023 | Weekend  |                              |    |                          |    |    |
| 24 Sep 2023 | Weekend  |                              |    |                          |    |    |
| 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  |                              |    |                          |    |    |

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             |                            | 0                      |         |      |         |         |                  |             |                  |
| 30-Aug-2023 | Wednesday           | calm/rippled               | 2                      |         | 4    |         |         |                  |             |                  |
| 31-Aug-2023 | Thursday            | choppy                     | 6                      |         | 11   |         |         |                  |             |                  |
| 01-Sep-2023 | Friday              | choppy                     | 9                      | 1       | 11   |         |         | 8                | 1043        | 15               |
| 02-Sep-2023 | Saturday            | choppy                     | 12                     |         | 16   |         |         | 6                | 1042        | 11               |
| 03-Sep-2023 | Sunday              | choppy                     | 7                      |         | 4    |         |         |                  |             |                  |
| 04-Sep-2023 | Monday (Labour Day) | choppy                     | 7                      |         | 21   |         |         |                  |             |                  |
| 05-Sep-2023 | Tuesday             |                            | 0                      |         |      |         |         |                  |             |                  |
| 06-Sep-2023 | Wednesday           |                            | 0                      |         |      |         |         |                  |             |                  |
| 07-Sep-2023 | Thursday            |                            | 0                      |         |      |         |         | 9                | 1113        | 18               |
| 08-Sep-2023 | Friday              | calm/rippled               | 8                      |         | 41   |         |         |                  |             |                  |
| 09-Sep-2023 | Saturday            |                            | 0                      |         |      |         |         | 2                | 0817        | 4                |
| 10-Sep-2023 | Sunday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 11-Sep-2023 | Monday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 12-Sep-2023 | Tuesday             |                            | 0                      |         |      |         |         | 4                | 1213        | 8                |
| 13-Sep-2023 | Wednesday           | calm/rippled               | 9                      | 2       | 16   |         |         |                  |             |                  |
| 14-Sep-2023 | Thursday            | calm/rippled               | 10                     | 1       | 23   |         |         |                  |             |                  |
| 15-Sep-2023 | Friday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 16-Sep-2023 | Saturday            | choppy                     | 12                     |         | 27   |         |         |                  |             |                  |
| 17-Sep-2023 | Sunday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 18-Sep-2023 | Monday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 19-Sep-2023 | Tuesday             | choppy                     | 14                     |         | 18   |         |         |                  |             |                  |
| 20-Sep-2023 | Wednesday           |                            | 0                      |         |      |         |         | 7                | 1131        | 14               |
| 21-Sep-2023 | Thursday            |                            | 0                      |         |      |         |         |                  |             |                  |
| 22-Sep-2023 | Friday              | calm/rippled               | 11                     |         | 26   |         |         |                  |             |                  |
| 23-Sep-2023 | Saturday            |                            | 0                      |         |      |         |         |                  |             |                  |
| 24-Sep-2023 | Sunday              |                            | 0                      |         |      |         |         | 0                | 1132        | 0                |
| 25-Sep-2023 | Monday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 26-Sep-2023 | Tuesday             |                            | 0                      |         |      |         |         |                  |             |                  |
| 27-Sep-2023 | Wednesday           | choppy                     | 2                      |         | 3    |         |         |                  |             |                  |
| 28-Sep-2023 | Thursday            |                            | 0                      |         |      |         |         | 3                | 1349        | 6                |
| 29-Sep-2023 | Friday              | calm/rippled               | 3                      |         | 7    |         |         |                  |             |                  |
| 30-Sep-2023 | Saturday            |                            | 0                      |         |      |         |         | 3                | 1136        | 6                |
| 01-Oct-2023 | Sunday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 02-Oct-2023 | Monday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 03-Oct-2023 | Tuesday             |                            | 0                      |         |      |         |         |                  |             |                  |
|             | Totals              | calm/rippled               | 66                     | 4       | 145  |         |         | 6*               |             | 12*              |
|             | Totals              | choppy                     | 38                     |         | 68   |         |         | 3*               |             | 5*               |

\* 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  | 5                      | 10             | 50                     |         | 1.789 |         |         |          | 89   |         |         |
| Midweek  | 12                     | 20             | 240                    | 0.061   | 2.197 |         |         | 15       | 527  |         |         |

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

| Year     | Month     | Total Effort | Chinook Kept | Coho Kept | Sockeye Kept | Halibut Kept |
|----------|-----------|--------------|--------------|-----------|--------------|--------------|
| 2018     | September | 322          | 86           | 205       |              |              |
| 2019     | September | 100          | 8            | 125       |              | 0            |
| 2020     | September | 45           | 0            | 23        |              | 3            |
| 2021     | September | 225          | 25           | 113       |              | 0            |
| 2022     | September | 242          | 165          | 293       |              | 0            |
| 2023     | September | 306          | 21           | 723       |              | 0            |
| 5-Yr Avg | September | 187          | 57           | 152       |              | 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    | 11                 | 2%              | 118%                  | 161               | 25%            | 8%                   | 13                    |
| Chinook | 0                  | 0%              |                       | 6                 | 4%             | 17%                  | 1                     |

**Table 6: Guided Proprtions Review.**

| Data Source      | Interviews / Angler Days | Guided Proportion |
|------------------|--------------------------|-------------------|
| Creel Interivews | 104                      | 73%               |
| iRec Anglers     | 589                      | 45%               |

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

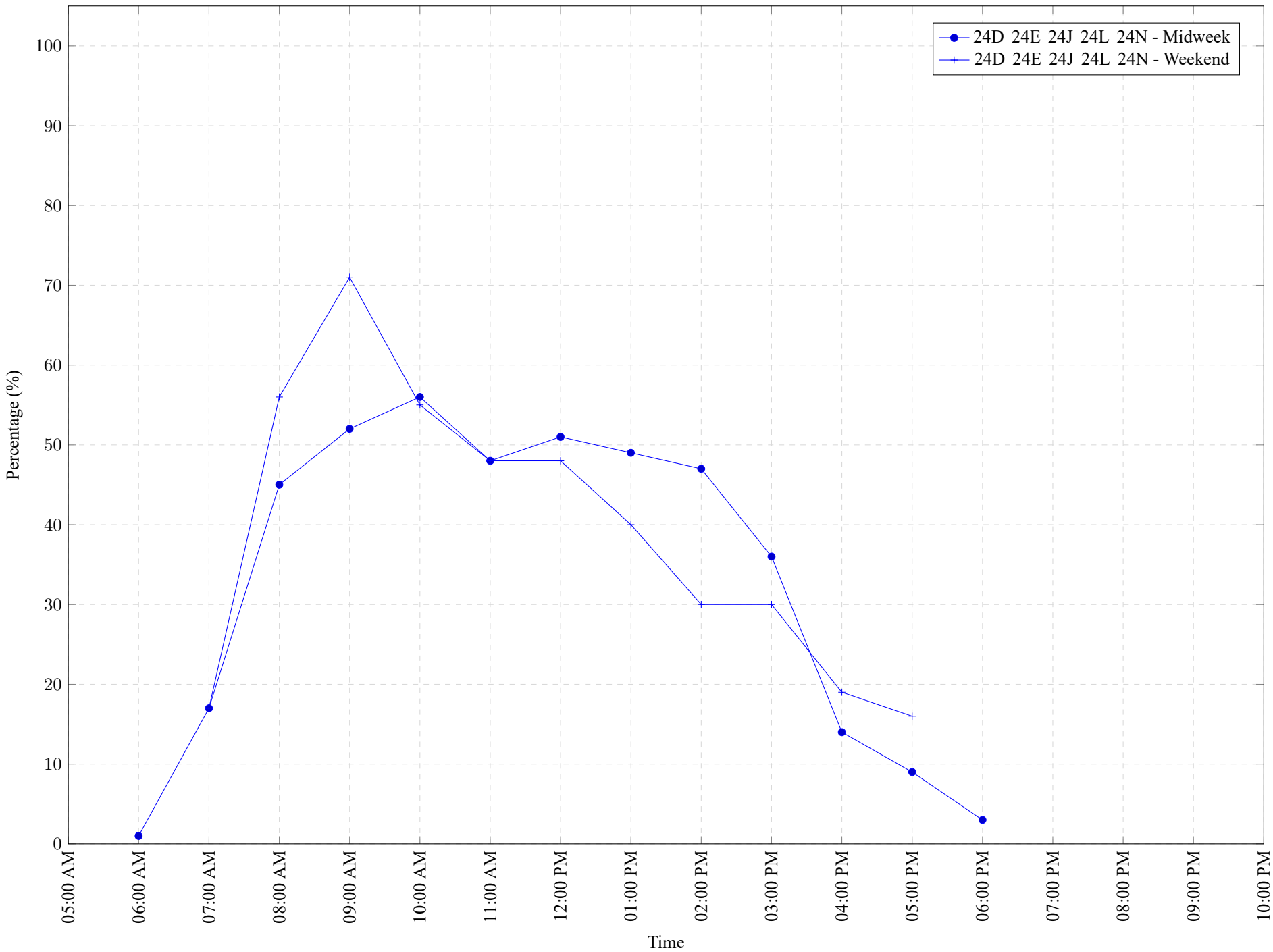


Table 7: Proportion of each day’s fishing by hour.

| Areas |     |     |     |     | Day Type | 6:00<br>AM | 7:00<br>AM | 8:00<br>AM | 9:00<br>AM | 10:00<br>AM | 11:00<br>AM | 12:00<br>PM | 01:00<br>PM | 02:00<br>PM | 03:00<br>PM | 04:00<br>PM | 05:00<br>PM | 06:00<br>PM | 07:00<br>PM | 08:00<br>PM | 09:00<br>PM | 10:00<br>PM |
|-------|-----|-----|-----|-----|----------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 24D   | 24E | 24J | 24L | 24N | Midweek  | 1%         | 17%        | 45%        | 52%        | 56%         | 48%         | 51%         | 49%         | 47%         | 36%         | 14%         | 9%          | 3%          | 0%          | 0%          | 0%          | 0%          |
| 24D   | 24E | 24J | 24L | 24N | Weekend  | 0%         | 17%        | 56%        | 71%        | 55%         | 48%         | 48%         | 40%         | 30%         | 30%         | 19%         | 16%         | 0%          | 0%          | 0%          | 0%          | 0%          |

**Table 8: Daily Fishing Conditions.**

| Date        | Day Type | Method<br>Marine (Fuel<br>Dock) | Tofino<br>Resort and<br>Marina |
|-------------|----------|---------------------------------|--------------------------------|
| 29 Aug 2023 | Midweek  | calm/rippled                    |                                |
| 30 Aug 2023 | Midweek  |                                 |                                |
| 31 Aug 2023 | Midweek  |                                 | choppy                         |
| 01 Sep 2023 | Midweek  |                                 | choppy                         |
| 02 Sep 2023 | Weekend  | choppy                          | choppy                         |
| 03 Sep 2023 | Weekend  |                                 |                                |
| 04 Sep 2023 | Weekend  |                                 | choppy                         |
| 05 Sep 2023 | Midweek  |                                 |                                |
| 06 Sep 2023 | Midweek  |                                 |                                |
| 07 Sep 2023 | Midweek  |                                 |                                |
| 08 Sep 2023 | Midweek  |                                 | calm/rippled                   |
| 09 Sep 2023 | Weekend  |                                 |                                |
| 10 Sep 2023 | Weekend  |                                 |                                |
| 11 Sep 2023 | Midweek  |                                 |                                |
| 12 Sep 2023 | Midweek  |                                 |                                |
| 13 Sep 2023 | Midweek  |                                 | calm/rippled                   |
| 14 Sep 2023 | Midweek  |                                 | calm/rippled                   |
| 15 Sep 2023 | Midweek  |                                 |                                |
| 16 Sep 2023 | Weekend  |                                 | choppy                         |
| 17 Sep 2023 | Weekend  |                                 |                                |
| 18 Sep 2023 | Midweek  |                                 |                                |
| 19 Sep 2023 | Midweek  |                                 | choppy                         |
| 20 Sep 2023 | Midweek  |                                 |                                |
| 21 Sep 2023 | Midweek  |                                 |                                |
| 22 Sep 2023 | Midweek  |                                 | calm/rippled                   |
| 23 Sep 2023 | Weekend  |                                 |                                |
| 24 Sep 2023 | Weekend  |                                 |                                |
| 25 Sep 2023 | Midweek  |                                 |                                |
| 26 Sep 2023 | Midweek  |                                 |                                |
| 27 Sep 2023 | Midweek  |                                 | choppy                         |
| 28 Sep 2023 | Midweek  |                                 |                                |
| 29 Sep 2023 | Midweek  |                                 | calm/rippled                   |
| 30 Sep 2023 | Weekend  |                                 |                                |
| 01 Oct 2023 | Weekend  |                                 |                                |
| 02 Oct 2023 | Midweek  |                                 |                                |
| 03 Oct 2023 | Midweek  |                                 |                                |