

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 124 September 2019



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Thursday 27<sup>th</sup> August, 2020



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

| Date        | Day Type | Method | Tofino                  |
|-------------|----------|--------|-------------------------|
|             |          | Marine | Resort<br>and<br>Marina |
|             |          | AM     | MD                      |
| 29 Aug 2019 | Midweek  |        |                         |
| 30 Aug 2019 | Midweek  |        | 2                       |
| 31 Aug 2019 | Weekend  | 2      |                         |
| 01 Sep 2019 | Weekend  |        |                         |
| 02 Sep 2019 | Weekend  |        |                         |
| 03 Sep 2019 | Midweek  |        | 6                       |
| 04 Sep 2019 | Midweek  |        |                         |
| 05 Sep 2019 | Midweek  |        |                         |
| 06 Sep 2019 | Midweek  |        | 3                       |
| 07 Sep 2019 | Weekend  |        |                         |
| 08 Sep 2019 | Weekend  |        |                         |
| 09 Sep 2019 | Midweek  |        |                         |
| 10 Sep 2019 | Midweek  |        |                         |
| 11 Sep 2019 | Midweek  |        |                         |
| 12 Sep 2019 | Midweek  |        |                         |
| 13 Sep 2019 | Midweek  |        |                         |
| 14 Sep 2019 | Weekend  |        | 1                       |
| 15 Sep 2019 | Weekend  |        |                         |
| 16 Sep 2019 | Midweek  |        |                         |
| 17 Sep 2019 | Midweek  |        |                         |
| 18 Sep 2019 | Midweek  |        |                         |
| 19 Sep 2019 | Midweek  |        |                         |
| 20 Sep 2019 | Midweek  |        |                         |
| 21 Sep 2019 | Weekend  |        |                         |
| 22 Sep 2019 | Weekend  |        |                         |
| 23 Sep 2019 | Midweek  |        |                         |
| 24 Sep 2019 | Midweek  |        |                         |
| 25 Sep 2019 | Midweek  |        |                         |
| 26 Sep 2019 | Midweek  |        |                         |
| 27 Sep 2019 | Midweek  |        |                         |
| 28 Sep 2019 | Weekend  |        |                         |
| 29 Sep 2019 | Weekend  |        |                         |
| 30 Sep 2019 | Midweek  |        |                         |
| 01 Oct 2019 | Midweek  |        |                         |
| 02 Oct 2019 | Midweek  |        |                         |
| 03 Oct 2019 | 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-2019 | Thursday            |                            | 0                      |         |      |         |         |                  |             |                  |
| 30-Aug-2019 | Friday              | choppy                     | 2                      | 1       |      |         |         |                  |             |                  |
| 31-Aug-2019 | Saturday            | choppy                     | 2                      |         |      |         |         | 4                | 1033        | 5                |
| 01-Sep-2019 | Sunday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 02-Sep-2019 | Monday (Labour Day) |                            | 0                      |         |      |         |         |                  |             |                  |
| 03-Sep-2019 | Tuesday             | calm/rippled               | 6                      | 2       |      |         |         |                  |             |                  |
| 04-Sep-2019 | Wednesday           |                            | 0                      |         |      |         |         |                  |             |                  |
| 05-Sep-2019 | Thursday            |                            | 0                      |         |      |         |         |                  |             |                  |
| 06-Sep-2019 | Friday              | calm/rippled               | 3                      |         |      |         |         |                  |             |                  |
| 07-Sep-2019 | Saturday            |                            | 0                      |         |      |         |         | 2                | 1042        | 2                |
| 08-Sep-2019 | Sunday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 09-Sep-2019 | Monday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 10-Sep-2019 | Tuesday             |                            | 0                      |         |      |         |         |                  |             |                  |
| 11-Sep-2019 | Wednesday           |                            | 0                      |         |      |         |         | 0                | 1019        | 0                |
| 12-Sep-2019 | Thursday            |                            | 0                      |         |      |         |         |                  |             |                  |
| 13-Sep-2019 | Friday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 14-Sep-2019 | Saturday            | choppy                     | 1                      |         |      |         |         |                  |             |                  |
| 15-Sep-2019 | Sunday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 16-Sep-2019 | Monday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 17-Sep-2019 | Tuesday             |                            | 0                      |         |      |         |         |                  |             |                  |
| 18-Sep-2019 | Wednesday           |                            | 0                      |         |      |         |         | 0                | 0956        | 0                |
| 19-Sep-2019 | Thursday            |                            | 0                      |         |      |         |         |                  |             |                  |
| 20-Sep-2019 | Friday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 21-Sep-2019 | Saturday            |                            | 0                      |         |      |         |         | 0                | 0857        | 0                |
| 22-Sep-2019 | Sunday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 23-Sep-2019 | Monday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 24-Sep-2019 | Tuesday             |                            | 0                      |         |      |         |         |                  |             |                  |
| 25-Sep-2019 | Wednesday           |                            | 0                      |         |      |         |         |                  |             |                  |
| 26-Sep-2019 | Thursday            |                            | 0                      |         |      |         |         |                  |             |                  |
| 27-Sep-2019 | Friday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 28-Sep-2019 | Saturday            |                            | 0                      |         |      |         |         |                  |             |                  |
| 29-Sep-2019 | Sunday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 30-Sep-2019 | Monday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 01-Oct-2019 | Tuesday             |                            | 0                      |         |      |         |         |                  |             |                  |
| 02-Oct-2019 | Wednesday           |                            | 0                      |         |      |         |         |                  |             |                  |
| 03-Oct-2019 | Thursday            |                            | 0                      |         |      |         |         |                  |             |                  |
|             | Totals              | calm/rippled               | 9                      | 2       |      |         |         | 0*               |             | 0*               |
|             | Totals              | choppy                     | 1                      |         |      |         |         | 1*               |             | 1*               |

\* 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  | 1                      | 10             | 10                     |         |      |         |         |          |      |         |         |
| Midweek  | 0                      | 20             | 0                      | 0.2220  |      |         |         | 0        |      |         |         |

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

| Year     | Month     | Total Effort | Chinook Kept | Coho Kept | Sockeye Kept | Halibut Kept |
|----------|-----------|--------------|--------------|-----------|--------------|--------------|
| 2014     | September | 314          | 656          | 314       |              | 229          |
| 2015     | September | 279          | 104          | 68        |              | 88           |
| 2016     | September | 120          | 173          | 79        |              | 18           |
| 2017     | September | 61           | 147          |           |              |              |
| 2018     | September | 217          | 120          | 71        |              | 101          |
| 2019     | September | 35           | 0            |           |              | 6            |
| 5-Yr Avg | September | 198          | 240          | 133       |              | 109          |

**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 |
|---------|--------------------|-----------------|-----------------------|-------------------|----------------|----------------------|-----------------------|
| Chinook | 0                  | 0%              |                       |                   | %              |                      | 1                     |

**Table 6: Guided Proprtions Review.**

| Data Source      | Interviews / Angler Days | Guided Proportion |
|------------------|--------------------------|-------------------|
| Creel Interivews | 34                       | 94%               |
| iRec Anglers     | 104                      | 78%               |
| iRec Responses   | 5                        | 20%               |

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

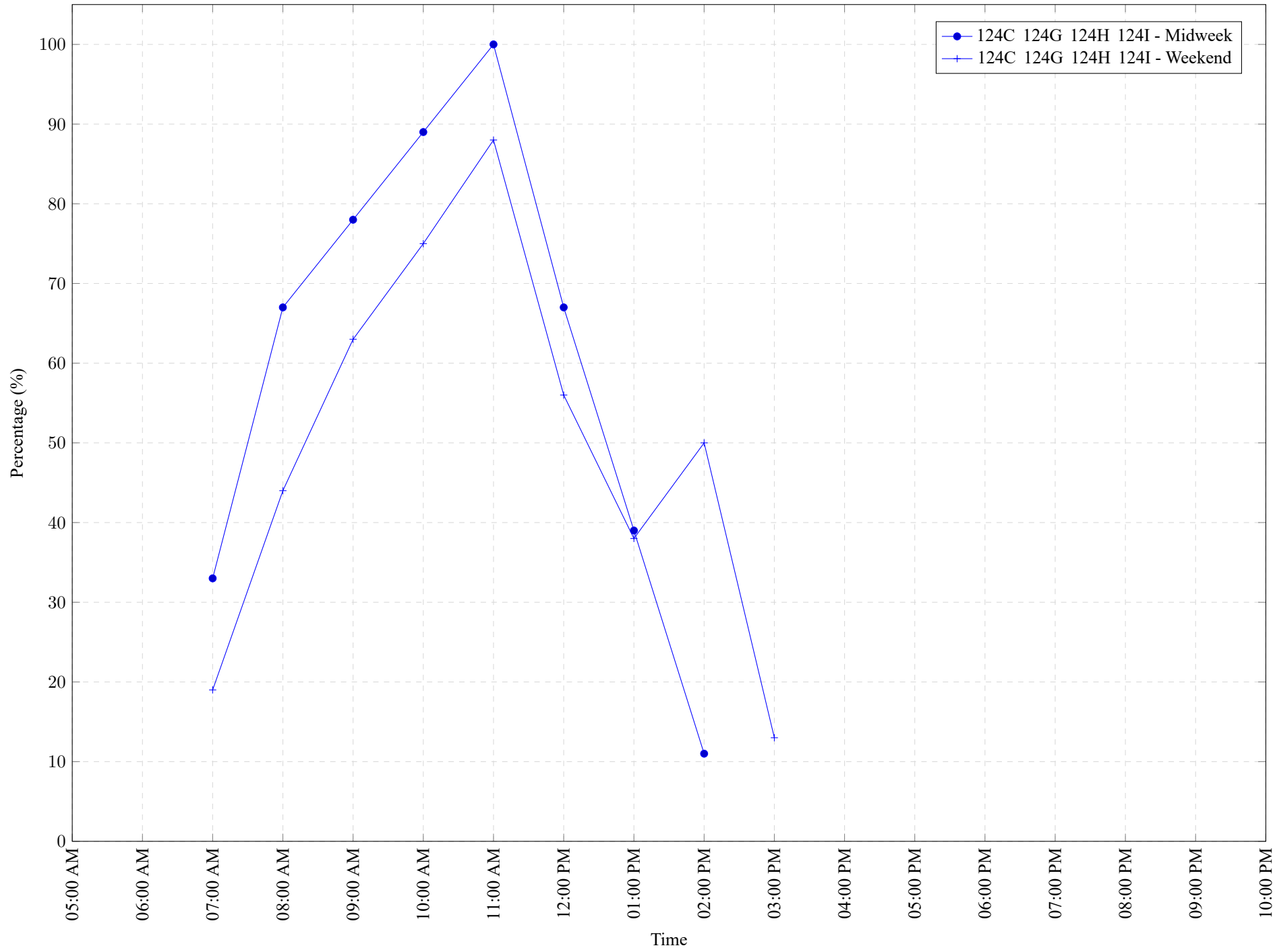


Table 7: Proportion of each day's fishing by hour.

| 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 |
|-------|------|------|------|----------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 124C  | 124G | 124H | 124I | Midweek  | 0%         | 33%        | 67%        | 78%        | 89%         | 100%        | 67%         | 39%         | 11%         | 0%          | 0%          | 0%          | 0%          | 0%          | 0%          | 0%          | 0%          |
| 124C  | 124G | 124H | 124I | Weekend  | 0%         | 19%        | 44%        | 63%        | 75%         | 88%         | 56%         | 38%         | 50%         | 13%         | 0%          | 0%          | 0%          | 0%          | 0%          | 0%          | 0%          |

**Table 8: Daily Fishing Conditions.**

| Date        | Day Type | Method<br>Marine | Tofino<br>Resort and<br>Marina |
|-------------|----------|------------------|--------------------------------|
| 29 Aug 2019 | Midweek  |                  |                                |
| 30 Aug 2019 | Midweek  |                  | choppy                         |
| 31 Aug 2019 | Weekend  | choppy           |                                |
| 01 Sep 2019 | Weekend  |                  |                                |
| 02 Sep 2019 | Weekend  |                  |                                |
| 03 Sep 2019 | Midweek  |                  | calm/rippled                   |
| 04 Sep 2019 | Midweek  |                  |                                |
| 05 Sep 2019 | Midweek  |                  |                                |
| 06 Sep 2019 | Midweek  |                  | calm/rippled                   |
| 07 Sep 2019 | Weekend  |                  |                                |
| 08 Sep 2019 | Weekend  |                  |                                |
| 09 Sep 2019 | Midweek  |                  |                                |
| 10 Sep 2019 | Midweek  |                  |                                |
| 11 Sep 2019 | Midweek  |                  |                                |
| 12 Sep 2019 | Midweek  |                  |                                |
| 13 Sep 2019 | Midweek  |                  |                                |
| 14 Sep 2019 | Weekend  |                  | choppy                         |
| 15 Sep 2019 | Weekend  |                  |                                |
| 16 Sep 2019 | Midweek  |                  |                                |
| 17 Sep 2019 | Midweek  |                  |                                |
| 18 Sep 2019 | Midweek  |                  |                                |
| 19 Sep 2019 | Midweek  |                  |                                |
| 20 Sep 2019 | Midweek  |                  |                                |
| 21 Sep 2019 | Weekend  |                  |                                |
| 22 Sep 2019 | Weekend  |                  |                                |
| 23 Sep 2019 | Midweek  |                  |                                |
| 24 Sep 2019 | Midweek  |                  |                                |
| 25 Sep 2019 | Midweek  |                  |                                |
| 26 Sep 2019 | Midweek  |                  |                                |
| 27 Sep 2019 | Midweek  |                  |                                |
| 28 Sep 2019 | Weekend  |                  |                                |
| 29 Sep 2019 | Weekend  |                  |                                |
| 30 Sep 2019 | Midweek  |                  |                                |
| 01 Oct 2019 | Midweek  |                  |                                |
| 02 Oct 2019 | Midweek  |                  |                                |
| 03 Oct 2019 | Midweek  |                  |                                |