

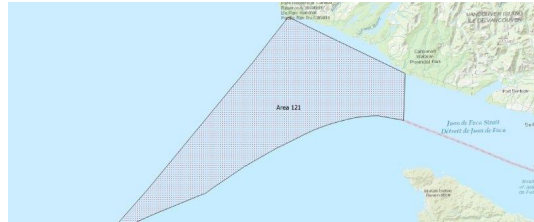
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 121 July 2024



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*Prepared By:*

South Coast Salmon Stock Assessment Section

Saturday 7<sup>th</sup> December, 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 | Clutesi<br>Ramp<br>PM | Pacific Gateway Marina |    |    | Port Renfrew<br>Marina |    |
|-------------|----------|-----------------------|------------------------|----|----|------------------------|----|
|             |          |                       | AM                     | MD | PM | MD                     | PM |
| 28 Jun 2024 | Midweek  |                       |                        | 8  |    |                        | 3  |
| 29 Jun 2024 | Weekend  |                       |                        |    |    | 8                      |    |
| 30 Jun 2024 | Weekend  |                       |                        | 6  |    |                        |    |
| 01 Jul 2024 | Weekend  |                       |                        | 4  |    |                        |    |
| 02 Jul 2024 | Midweek  |                       |                        | 4  |    |                        |    |
| 03 Jul 2024 | Midweek  |                       | 2                      |    |    |                        |    |
| 04 Jul 2024 | Midweek  |                       |                        |    |    |                        |    |
| 05 Jul 2024 | Midweek  | 1                     |                        |    |    | 1                      |    |
| 06 Jul 2024 | Weekend  |                       |                        | 12 |    |                        |    |
| 07 Jul 2024 | Weekend  |                       |                        |    |    | 2                      |    |
| 08 Jul 2024 | Midweek  |                       |                        | 6  |    | 3                      |    |
| 09 Jul 2024 | Midweek  |                       |                        | 9  |    |                        |    |
| 10 Jul 2024 | Midweek  |                       |                        |    |    |                        |    |
| 11 Jul 2024 | Midweek  |                       |                        |    |    |                        |    |
| 12 Jul 2024 | Midweek  |                       |                        |    | 3  |                        |    |
| 13 Jul 2024 | Weekend  |                       |                        |    |    | 1                      |    |
| 14 Jul 2024 | Weekend  |                       |                        | 7  |    |                        |    |
| 15 Jul 2024 | Midweek  |                       |                        | 10 |    |                        |    |
| 16 Jul 2024 | Midweek  |                       |                        |    |    | 3                      |    |
| 17 Jul 2024 | Midweek  |                       |                        | 8  |    |                        |    |
| 18 Jul 2024 | Midweek  |                       | 3                      |    |    |                        |    |
| 19 Jul 2024 | Midweek  |                       |                        | 14 |    |                        |    |
| 20 Jul 2024 | Weekend  |                       |                        | 10 |    |                        |    |
| 21 Jul 2024 | Weekend  |                       |                        |    |    | 1                      |    |
| 22 Jul 2024 | Midweek  |                       |                        | 12 |    |                        |    |
| 23 Jul 2024 | Midweek  |                       |                        |    |    | 1                      |    |
| 24 Jul 2024 | Midweek  |                       |                        | 7  |    | 6                      |    |
| 25 Jul 2024 | Midweek  |                       |                        |    |    |                        |    |
| 26 Jul 2024 | Midweek  |                       |                        | 12 |    | 1                      |    |
| 27 Jul 2024 | Weekend  |                       |                        |    |    | 2                      |    |
| 28 Jul 2024 | Weekend  |                       |                        | 12 |    |                        |    |
| 29 Jul 2024 | Midweek  |                       |                        | 5  |    |                        |    |
| 30 Jul 2024 | Midweek  |                       |                        | 9  |    |                        |    |
| 31 Jul 2024 | Midweek  |                       |                        | 7  |    |                        |    |
| 01 Aug 2024 | Midweek  |                       |                        | 8  |    |                        |    |
| 02 Aug 2024 | Midweek  |                       |                        |    |    | 1                      |    |
| 03 Aug 2024 | Weekend  |                       |                        |    |    | 4                      |    |

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 |
|-------------|---------------------|----------------------------|------------------------|---------|------|---------|---------|------------------|-------------|------------------|
| 28-Jun-2024 | Friday              | calm/rippled               | 11                     |         | 5    |         | 27      |                  |             |                  |
| 29-Jun-2024 | Saturday            | calm/rippled               | 8                      |         | 2    |         | 11      |                  |             |                  |
| 30-Jun-2024 | Sunday              | calm/rippled               | 6                      |         | 20   |         | 21      |                  |             |                  |
| 01-Jul-2024 | Monday (Canada Day) | choppy                     | 4                      |         | 4    |         | 10      | 4                | 0835        | 5                |
| 02-Jul-2024 | Tuesday             | large swells               | 4                      |         |      |         | 13      |                  |             |                  |
| 03-Jul-2024 | Wednesday           | choppy                     | 2                      |         |      |         | 7       | 7                | 1008        | 8                |
| 04-Jul-2024 | Thursday            |                            | 0                      |         |      |         |         |                  |             |                  |
| 05-Jul-2024 | Friday              | choppy                     | 2                      |         |      |         | 1       |                  |             |                  |
| 06-Jul-2024 | Saturday            | frequent whitecaps         | 12                     |         |      |         | 38      | 11               | 0846        | 15               |
| 07-Jul-2024 | Sunday              | calm/rippled               | 2                      |         |      |         | 7       |                  |             |                  |
| 08-Jul-2024 | Monday              | calm/rippled               | 9                      |         | 15   |         | 27      |                  |             |                  |
| 09-Jul-2024 | Tuesday             | choppy                     | 9                      |         | 17   |         | 19      | 2                | 0834        | 2                |
| 10-Jul-2024 | Wednesday           |                            | 0                      |         |      |         |         |                  |             |                  |
| 11-Jul-2024 | Thursday            |                            | 0                      |         |      |         |         |                  |             |                  |
| 12-Jul-2024 | Friday              | frequent whitecaps         | 3                      |         | 5    |         | 6       |                  |             |                  |
| 13-Jul-2024 | Saturday            | choppy                     | 1                      |         |      |         |         | 17               | 0838        | 23               |
| 14-Jul-2024 | Sunday              | choppy                     | 7                      |         |      |         | 20      |                  |             |                  |
| 15-Jul-2024 | Monday              | choppy                     | 10                     | 8       | 9    |         | 35      |                  |             |                  |
| 16-Jul-2024 | Tuesday             | choppy                     | 3                      |         |      |         | 7       | 21               | 1143        | 24               |
| 17-Jul-2024 | Wednesday           | frequent whitecaps         | 8                      | 21      | 18   |         | 19      |                  |             |                  |
| 18-Jul-2024 | Thursday            | calm/rippled               | 3                      | 2       |      |         | 8       |                  |             |                  |
| 19-Jul-2024 | Friday              | calm/rippled               | 14                     | 42      | 87   |         | 27      |                  |             |                  |
| 20-Jul-2024 | Saturday            | choppy                     | 10                     | 37      | 45   |         | 27      |                  |             |                  |
| 21-Jul-2024 | Sunday              | choppy                     | 1                      | 5       | 10   |         | 1       |                  |             |                  |
| 22-Jul-2024 | Monday              | calm/rippled               | 12                     | 24      | 6    |         | 21      |                  |             |                  |
| 23-Jul-2024 | Tuesday             | calm/rippled               | 1                      |         |      |         | 4       |                  |             |                  |
| 24-Jul-2024 | Wednesday           | calm/rippled               | 13                     | 27      | 13   |         | 22      |                  |             |                  |
| 25-Jul-2024 | Thursday            |                            | 0                      |         |      |         |         | 10               | 0840        | 12               |
| 26-Jul-2024 | Friday              | calm/rippled               | 13                     | 30      | 29   |         | 34      |                  |             |                  |
| 27-Jul-2024 | Saturday            | choppy                     | 2                      | 5       |      |         | 8       |                  |             |                  |
| 28-Jul-2024 | Sunday              | calm/rippled               | 12                     | 33      | 38   |         | 27      | 0                | 0936        | 0                |
| 29-Jul-2024 | Monday              | calm/rippled               | 5                      | 10      | 9    |         | 6       |                  |             |                  |
| 30-Jul-2024 | Tuesday             | calm/rippled               | 9                      | 17      | 31   |         | 28      |                  |             |                  |
| 31-Jul-2024 | Wednesday           | calm/rippled               | 7                      | 24      | 41   |         | 27      | 10               | 1224        | 15               |
| 01-Aug-2024 | Thursday            | calm/rippled               | 8                      | 60      | 48   |         | 13      | 17               | 0846        | 20               |
| 02-Aug-2024 | Friday              | choppy                     | 1                      |         |      |         | 2       |                  |             |                  |
| 03-Aug-2024 | Saturday            | calm/rippled               | 4                      | 12      | 3    |         | 3       |                  |             |                  |
|             | Totals              | choppy                     | 127                    | 205     | 280  |         | 311     | 10*              |             | 12*              |
|             | Totals              | choppy                     | 51                     | 80      | 97   |         | 138     | 8*               |             | 11*              |

\* 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  | 11                     | 9              | 99                     | 1.569   | 1.902 |         | 2.706   | 155      | 188  |         | 268     |
| Midweek  | 12                     | 22             | 264                    | 1.614   | 2.205 |         | 2.449   | 426      | 582  |         | 647     |

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

| Year     | Month | Total Effort | Chinook Kept | Coho Kept | Sockeye Kept | Halibut Kept |
|----------|-------|--------------|--------------|-----------|--------------|--------------|
| 2019     | July  | 1708         | 2073         | 4914      |              | 5549         |
| 2020     | July  | 789          | 667          | 1539      | 5            | 1917         |
| 2021     | July  | 608          | 769          | 1913      | 9            | 1885         |
| 2022     | July  | 765          | 2441         | 440       |              | 2457         |
| 2023     | July  | 723          | 515          | 721       |              | 1852         |
| 2024     | July  | 460          | 873          | 1048      |              | 1149         |
| 5-Yr Avg | July  | 919          | 1293         | 1905      | 7            | 2732         |

**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 |
|---------|--------------------|-----------------|-----------------------|-------------------|----------------|----------------------|-----------------------|
|---------|--------------------|-----------------|-----------------------|-------------------|----------------|----------------------|-----------------------|

**Table 6: Guided Proprtions Review.**

| Data Source      | Interviews / Angler Days | Guided Proportion |
|------------------|--------------------------|-------------------|
| Creel Interivews | 178                      | 72%               |
| iRec Anglers     | 1498                     | 65%               |

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

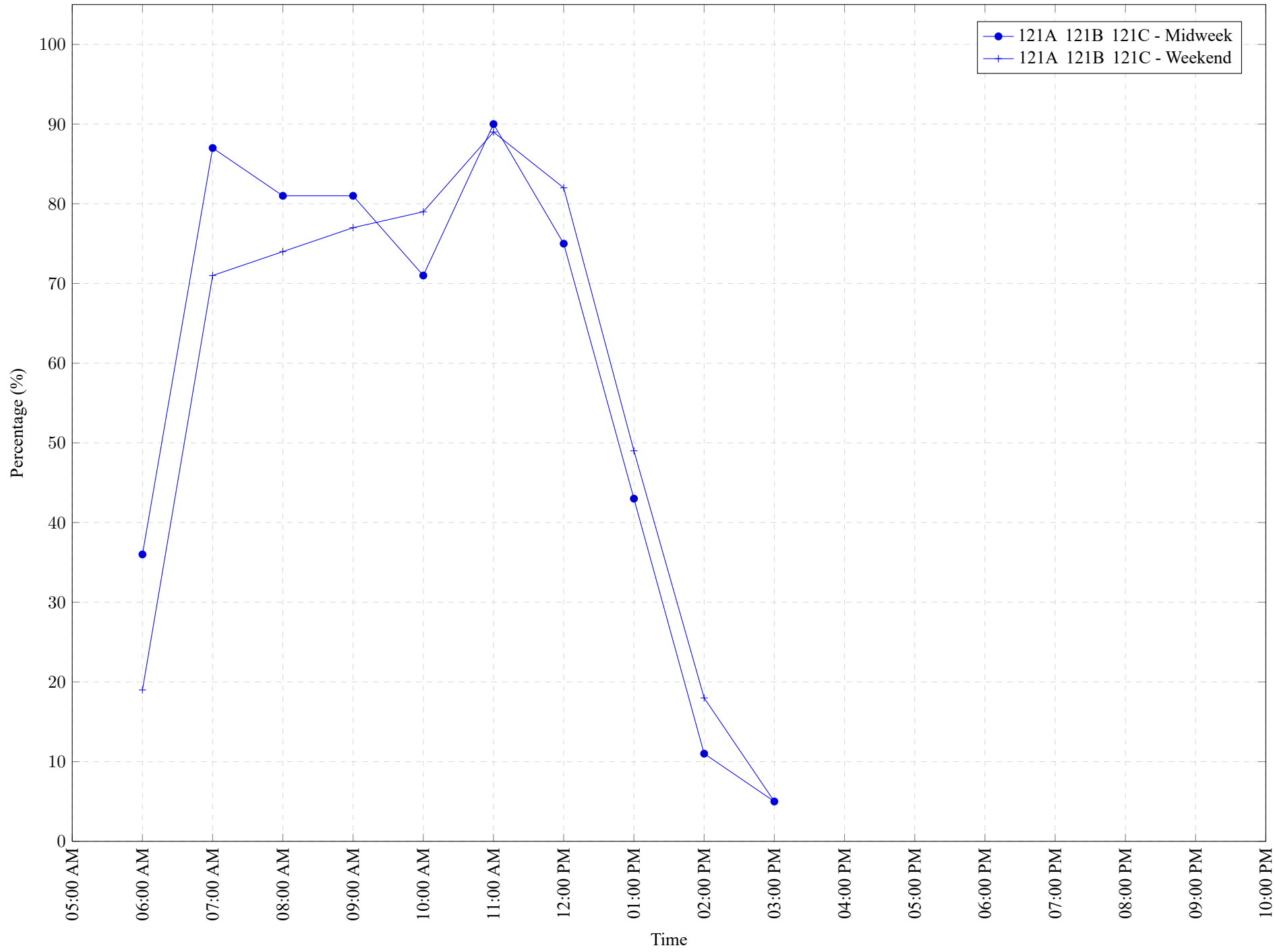


Table 7: Proportion of each day's fishing by hour.

| 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 |
|-------|------|------|----------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 121A  | 121B | 121C | Midweek  | 36%        | 87%        | 81%        | 81%        | 71%         | 90%         | 75%         | 43%         | 11%         | 5%          | 0%          | 0%          | 0%          | 0%          | 0%          | 0%          | 0%          |
| 121A  | 121B | 121C | Weekend  | 19%        | 71%        | 74%        | 77%        | 79%         | 89%         | 82%         | 49%         | 18%         | 5%          | 0%          | 0%          | 0%          | 0%          | 0%          | 0%          | 0%          |

**Table 8: Daily Fishing Conditions.**

| Date        | Day Type | Clutesi Ramp | Pacific Gateway Marina | Port Renfrew Marina |
|-------------|----------|--------------|------------------------|---------------------|
| 28 Jun 2024 | Midweek  |              | calm/rippled           | calm/rippled        |
| 29 Jun 2024 | Weekend  |              |                        | calm/rippled        |
| 30 Jun 2024 | Weekend  |              | calm/rippled           |                     |
| 01 Jul 2024 | Weekend  |              | choppy                 |                     |
| 02 Jul 2024 | Midweek  |              | large swells           |                     |
| 03 Jul 2024 | Midweek  |              | choppy                 |                     |
| 04 Jul 2024 | Midweek  |              |                        |                     |
| 05 Jul 2024 | Midweek  | choppy       |                        | calm/rippled        |
| 06 Jul 2024 | Weekend  |              | frequent whitecaps     |                     |
| 07 Jul 2024 | Weekend  |              |                        | calm/rippled        |
| 08 Jul 2024 | Midweek  |              | calm/rippled           | calm/rippled        |
| 09 Jul 2024 | Midweek  |              | choppy                 |                     |
| 10 Jul 2024 | Midweek  |              |                        |                     |
| 11 Jul 2024 | Midweek  |              |                        |                     |
| 12 Jul 2024 | Midweek  |              | frequent whitecaps     |                     |
| 13 Jul 2024 | Weekend  |              |                        | choppy              |
| 14 Jul 2024 | Weekend  |              | choppy                 |                     |
| 15 Jul 2024 | Midweek  |              | choppy                 |                     |
| 16 Jul 2024 | Midweek  |              |                        | choppy              |
| 17 Jul 2024 | Midweek  |              | frequent whitecaps     |                     |
| 18 Jul 2024 | Midweek  |              | calm/rippled           |                     |
| 19 Jul 2024 | Midweek  |              | calm/rippled           |                     |
| 20 Jul 2024 | Weekend  |              | choppy                 |                     |
| 21 Jul 2024 | Weekend  |              |                        | choppy              |
| 22 Jul 2024 | Midweek  |              | calm/rippled           |                     |
| 23 Jul 2024 | Midweek  |              |                        | calm/rippled        |
| 24 Jul 2024 | Midweek  |              | calm/rippled           | calm/rippled        |
| 25 Jul 2024 | Midweek  |              |                        |                     |
| 26 Jul 2024 | Midweek  |              | calm/rippled           | calm/rippled        |
| 27 Jul 2024 | Weekend  |              |                        | choppy              |
| 28 Jul 2024 | Weekend  |              | calm/rippled           |                     |
| 29 Jul 2024 | Midweek  |              | calm/rippled           |                     |
| 30 Jul 2024 | Midweek  |              | calm/rippled           |                     |
| 31 Jul 2024 | Midweek  |              | calm/rippled           |                     |
| 01 Aug 2024 | Midweek  |              | calm/rippled           |                     |
| 02 Aug 2024 | Midweek  |              |                        | choppy              |
| 03 Aug 2024 | Weekend  |              |                        | calm/rippled        |