

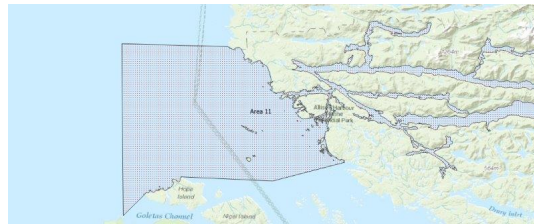
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

---

## Area 11 July 2023



---

*Prepared By:*

South Coast Salmon Stock Assessment Section

Sunday 21<sup>st</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 | Bear Cove |    | Quarterdeck Marina |    |
|-------------|----------|-----------|----|--------------------|----|
|             |          | AM        | PM | AM                 | PM |
| 28 Jun 2023 | Midweek  |           | 8  |                    |    |
| 29 Jun 2023 | Midweek  | 3         |    |                    |    |
| 30 Jun 2023 | Midweek  |           |    |                    | 9  |
| 01 Jul 2023 | Weekend  |           |    | 12                 |    |
| 02 Jul 2023 | Weekend  | 5         |    |                    |    |
| 03 Jul 2023 | Weekend  |           |    |                    |    |
| 04 Jul 2023 | Midweek  |           |    |                    |    |
| 05 Jul 2023 | Midweek  |           |    | 7                  |    |
| 06 Jul 2023 | Midweek  |           | 2  |                    |    |
| 07 Jul 2023 | Midweek  |           |    |                    | 8  |
| 08 Jul 2023 | Weekend  | 7         |    |                    |    |
| 09 Jul 2023 | Weekend  |           |    | 13                 |    |
| 10 Jul 2023 | Midweek  |           |    |                    |    |
| 11 Jul 2023 | Midweek  |           |    |                    |    |
| 12 Jul 2023 | Midweek  |           |    |                    | 12 |
| 13 Jul 2023 | Midweek  | 3         |    |                    |    |
| 14 Jul 2023 | Midweek  |           |    | 13                 |    |
| 15 Jul 2023 | Weekend  |           |    |                    | 16 |
| 16 Jul 2023 | Weekend  | 7         |    |                    |    |
| 17 Jul 2023 | Midweek  |           |    | 10                 |    |
| 18 Jul 2023 | Midweek  |           |    |                    |    |
| 19 Jul 2023 | Midweek  |           |    |                    |    |
| 20 Jul 2023 | Midweek  | 5         |    |                    |    |
| 21 Jul 2023 | Midweek  |           |    |                    | 11 |
| 22 Jul 2023 | Weekend  |           | 8  |                    |    |
| 23 Jul 2023 | Weekend  |           |    | 16                 |    |
| 24 Jul 2023 | Midweek  |           |    |                    |    |
| 25 Jul 2023 | Midweek  |           |    |                    |    |
| 26 Jul 2023 | Midweek  | 4         |    |                    |    |
| 27 Jul 2023 | Midweek  |           | 4  |                    |    |
| 28 Jul 2023 | Midweek  |           |    | 9                  |    |
| 29 Jul 2023 | Weekend  |           |    |                    | 12 |
| 30 Jul 2023 | Weekend  |           |    | 11                 |    |
| 31 Jul 2023 | Midweek  |           |    |                    |    |
| 01 Aug 2023 | Midweek  |           |    |                    |    |
| 02 Aug 2023 | Midweek  |           |    | 6                  |    |
| 03 Aug 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 |
|-------------|---------------------|----------------------------|------------------------|---------|------|---------|---------|------------------|-------------|------------------|
| 28-Jun-2023 | Wednesday           | calm/rippled               | 12                     | 22      |      |         | 6       |                  |             |                  |
| 29-Jun-2023 | Thursday            | calm/rippled               | 3                      | 3       |      |         |         |                  |             |                  |
| 30-Jun-2023 | Friday              | choppy                     | 12                     | 38      | 1    |         | 27      |                  |             |                  |
| 01-Jul-2023 | Saturday            | choppy                     | 18                     | 59      | 1    |         | 4       |                  |             |                  |
| 02-Jul-2023 | Sunday              | choppy                     | 10                     | 8       | 2    |         | 4       |                  |             |                  |
| 03-Jul-2023 | Monday (Canada Day) |                            | 3                      | 10      |      |         |         | 4                | 0912        | 6                |
| 04-Jul-2023 | Tuesday             |                            | 2                      | 4       |      |         |         |                  |             |                  |
| 05-Jul-2023 | Wednesday           | frequent whitecaps         | 10                     | 40      | 1    |         | 9       |                  |             |                  |
| 06-Jul-2023 | Thursday            | choppy                     | 4                      | 14      | 5    |         | 1       |                  |             |                  |
| 07-Jul-2023 | Friday              | choppy                     | 9                      | 23      | 5    |         | 9       |                  |             |                  |
| 08-Jul-2023 | Saturday            | calm/rippled               | 7                      | 25      | 1    |         | 1       | 2                | 0913        | 3                |
| 09-Jul-2023 | Sunday              | calm/rippled               | 14                     | 24      | 3    |         | 4       |                  |             |                  |
| 10-Jul-2023 | Monday              |                            | 1                      |         |      |         | 2       |                  |             |                  |
| 11-Jul-2023 | Tuesday             |                            | 3                      | 4       | 1    |         |         | 11               | 1010        | 14               |
| 12-Jul-2023 | Wednesday           | choppy                     | 15                     | 25      | 1    |         | 3       |                  |             |                  |
| 13-Jul-2023 | Thursday            | calm/rippled               | 4                      | 5       |      |         | 2       |                  |             |                  |
| 14-Jul-2023 | Friday              | calm/rippled               | 19                     | 58      | 1    |         | 10      |                  |             |                  |
| 15-Jul-2023 | Saturday            | calm/rippled               | 25                     | 91      | 4    |         | 14      |                  |             |                  |
| 16-Jul-2023 | Sunday              | calm/rippled               | 10                     | 35      |      |         | 2       | 20               | 1042        | 28               |
| 17-Jul-2023 | Monday              | choppy                     | 13                     | 61      | 3    |         | 13      |                  |             |                  |
| 18-Jul-2023 | Tuesday             |                            | 1                      | 4       |      |         |         |                  |             |                  |
| 19-Jul-2023 | Wednesday           |                            | 4                      |         | 1    |         | 3       |                  |             |                  |
| 20-Jul-2023 | Thursday            | choppy                     | 6                      | 13      | 10   |         | 1       |                  |             |                  |
| 21-Jul-2023 | Friday              | calm/rippled               | 17                     | 77      | 21   |         | 46      |                  |             |                  |
| 22-Jul-2023 | Saturday            | calm/rippled               | 12                     | 29      | 15   |         | 2       | 23               | 1004        | 32               |
| 23-Jul-2023 | Sunday              | calm/rippled               | 16                     | 27      | 10   |         | 5       |                  |             |                  |
| 24-Jul-2023 | Monday              |                            | 10                     | 22      | 7    |         | 4       |                  |             |                  |
| 25-Jul-2023 | Tuesday             |                            | 10                     | 19      | 7    |         | 6       | 15               | 1014        | 18               |
| 26-Jul-2023 | Wednesday           | calm/rippled               | 12                     | 11      | 5    |         | 4       |                  |             |                  |
| 27-Jul-2023 | Thursday            | choppy                     | 6                      | 6       | 4    |         | 1       |                  |             |                  |
| 28-Jul-2023 | Friday              | calm/rippled               | 15                     | 60      | 41   |         | 22      |                  |             |                  |
| 29-Jul-2023 | Saturday            | calm/rippled               | 17                     | 61      | 49   |         | 10      |                  |             |                  |
| 30-Jul-2023 | Sunday              | calm/rippled               | 17                     | 54      | 45   |         | 2       | 19               | 0904        | 28               |
| 31-Jul-2023 | Monday              |                            | 2                      | 15      | 9    |         |         |                  |             |                  |
| 01-Aug-2023 | Tuesday             |                            | 6                      | 15      | 5    |         | 5       |                  |             |                  |
| 02-Aug-2023 | Wednesday           | choppy                     | 13                     | 28      | 21   |         | 7       |                  |             |                  |
| 03-Aug-2023 | Thursday            | calm/rippled               | 4                      | 5       | 5    |         |         |                  |             |                  |
|             | Totals              | choppy                     | 163                    | 461     | 122  |         | 136     | 13*              |             | 16*              |
|             | Totals              | calm/rippled               | 149                    | 423     | 130  |         | 48      | 14*              |             | 19*              |

\* 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  | 16                     | 20             | 320                    | 2.828   | 0.748 |         | 0.834   | 905      | 239  |         | 267     |
| Weekend  | 19                     | 11             | 209                    | 2.839   | 0.872 |         | 0.322   | 593      | 182  |         | 67      |

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

| Year     | Month | Total Effort | Chinook Kept | Coho Kept | Sockeye Kept | Halibut Kept |
|----------|-------|--------------|--------------|-----------|--------------|--------------|
| 2018     | July  | 702          | 1589         | 156       |              | 420          |
| 2019     | July  | 647          | 1265         | 59        |              | 117          |
| 2020     | July  | 544          | 1193         | 393       |              | 281          |
| 2021     | July  | 505          | 1211         | 207       |              | 178          |
| 2022     | July  | 629          | 705          | 906       |              | 366          |
| 2023     | July  | 552          | 1713         | 434       | 0            | 355          |
| 5-Yr Avg | July  | 605          | 1193         | 344       |              | 272          |

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

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

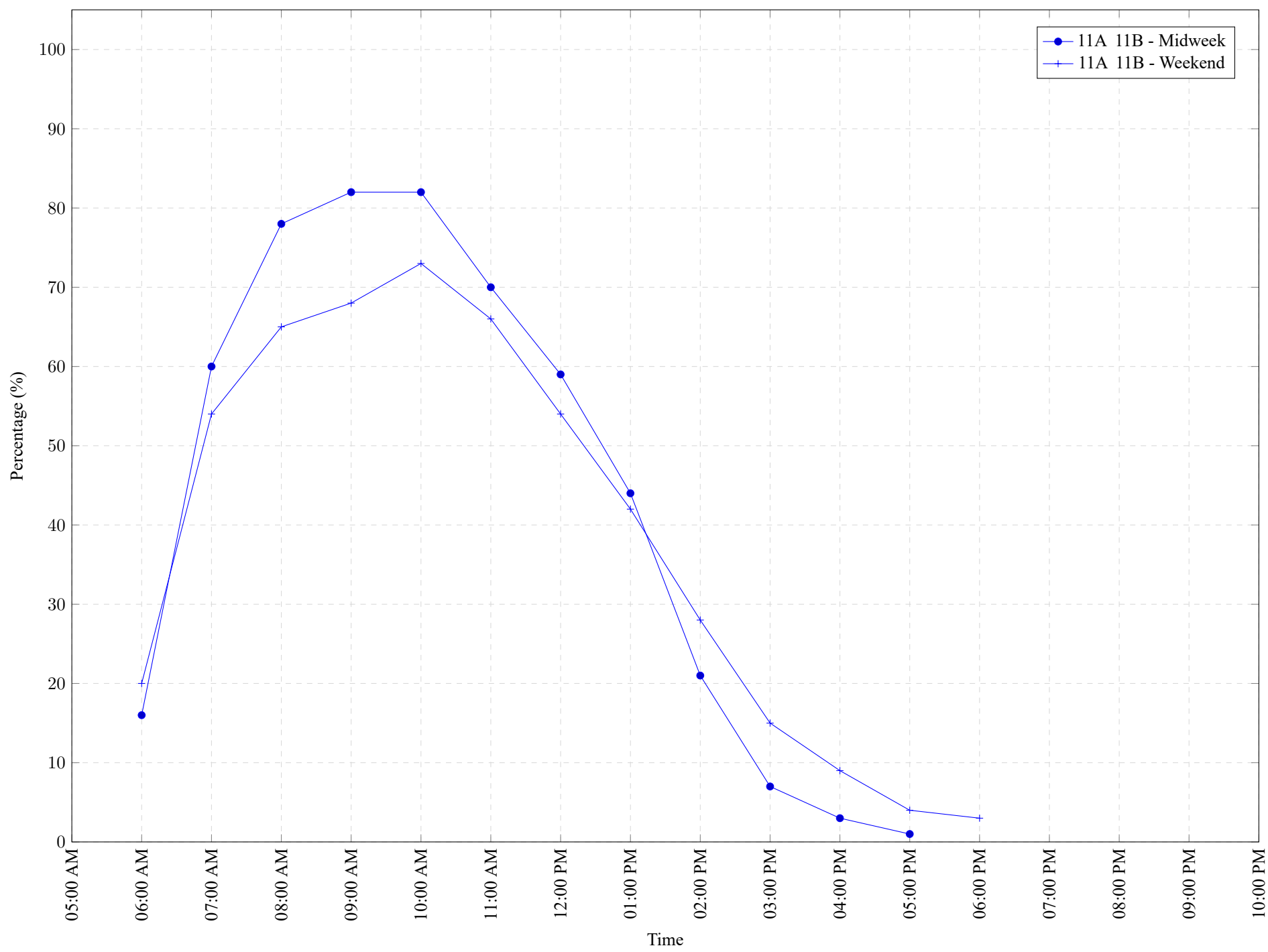


Table 7: Proportion of each day's fishing by hour.

| 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 |
|-------|-----|----------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 11A   | 11B | Midweek  | 16%     | 60%     | 78%     | 82%     | 82%      | 70%      | 59%      | 44%      | 21%      | 7%       | 3%       | 1%       | 0%       | 0%       | 0%       | 0%       | 0%       |
| 11A   | 11B | Weekend  | 20%     | 54%     | 65%     | 68%     | 73%      | 66%      | 54%      | 42%      | 28%      | 15%      | 9%       | 4%       | 3%       | 0%       | 0%       | 0%       | 0%       |

**Table 8: Daily Fishing Conditions.**

| Date        | Day Type | Bear Cove    | Quarterdeck Marina |
|-------------|----------|--------------|--------------------|
| 28 Jun 2023 | Midweek  | calm/rippled |                    |
| 29 Jun 2023 | Midweek  | calm/rippled |                    |
| 30 Jun 2023 | Midweek  |              | choppy             |
| 01 Jul 2023 | Weekend  |              | choppy             |
| 02 Jul 2023 | Weekend  | choppy       |                    |
| 03 Jul 2023 | Weekend  |              |                    |
| 04 Jul 2023 | Midweek  |              |                    |
| 05 Jul 2023 | Midweek  |              | frequent whitecaps |
| 06 Jul 2023 | Midweek  | choppy       |                    |
| 07 Jul 2023 | Midweek  |              | choppy             |
| 08 Jul 2023 | Weekend  | calm/rippled |                    |
| 09 Jul 2023 | Weekend  |              | calm/rippled       |
| 10 Jul 2023 | Midweek  |              |                    |
| 11 Jul 2023 | Midweek  |              |                    |
| 12 Jul 2023 | Midweek  |              | choppy             |
| 13 Jul 2023 | Midweek  | calm/rippled |                    |
| 14 Jul 2023 | Midweek  |              | calm/rippled       |
| 15 Jul 2023 | Weekend  |              | calm/rippled       |
| 16 Jul 2023 | Weekend  | calm/rippled |                    |
| 17 Jul 2023 | Midweek  |              | choppy             |
| 18 Jul 2023 | Midweek  |              |                    |
| 19 Jul 2023 | Midweek  |              |                    |
| 20 Jul 2023 | Midweek  | choppy       |                    |
| 21 Jul 2023 | Midweek  |              | calm/rippled       |
| 22 Jul 2023 | Weekend  | calm/rippled |                    |
| 23 Jul 2023 | Weekend  |              | calm/rippled       |
| 24 Jul 2023 | Midweek  |              |                    |
| 25 Jul 2023 | Midweek  |              |                    |
| 26 Jul 2023 | Midweek  | calm/rippled |                    |
| 27 Jul 2023 | Midweek  | choppy       |                    |
| 28 Jul 2023 | Midweek  |              | calm/rippled       |
| 29 Jul 2023 | Weekend  |              | calm/rippled       |
| 30 Jul 2023 | Weekend  |              | calm/rippled       |
| 31 Jul 2023 | Midweek  |              |                    |
| 01 Aug 2023 | Midweek  |              |                    |
| 02 Aug 2023 | Midweek  |              | choppy             |
| 03 Aug 2023 | Midweek  | calm/rippled |                    |