

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 28 March 2022



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*Prepared By:*

South Coast Salmon Stock Assessment Section

Thursday 19<sup>th</sup> January, 2023



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 |
|-------------|----------|
| 26 Feb 2022 | Weekend  |
| 27 Feb 2022 | Weekend  |
| 28 Feb 2022 | Midweek  |
| 01 Mar 2022 | Midweek  |
| 02 Mar 2022 | Midweek  |
| 03 Mar 2022 | Midweek  |
| 04 Mar 2022 | Midweek  |
| 05 Mar 2022 | Weekend  |
| 06 Mar 2022 | Weekend  |
| 07 Mar 2022 | Midweek  |
| 08 Mar 2022 | Midweek  |
| 09 Mar 2022 | Midweek  |
| 10 Mar 2022 | Midweek  |
| 11 Mar 2022 | Midweek  |
| 12 Mar 2022 | Weekend  |
| 13 Mar 2022 | Weekend  |
| 14 Mar 2022 | Midweek  |
| 15 Mar 2022 | Midweek  |
| 16 Mar 2022 | Midweek  |
| 17 Mar 2022 | Midweek  |
| 18 Mar 2022 | Midweek  |
| 19 Mar 2022 | Weekend  |
| 20 Mar 2022 | Weekend  |
| 21 Mar 2022 | Midweek  |
| 22 Mar 2022 | Midweek  |
| 23 Mar 2022 | Midweek  |
| 24 Mar 2022 | Midweek  |
| 25 Mar 2022 | Midweek  |
| 26 Mar 2022 | Weekend  |
| 27 Mar 2022 | Weekend  |
| 28 Mar 2022 | Midweek  |
| 29 Mar 2022 | Midweek  |
| 30 Mar 2022 | Midweek  |
| 31 Mar 2022 | Midweek  |
| 01 Apr 2022 | Midweek  |
| 02 Apr 2022 | Weekend  |
| 03 Apr 2022 | Weekend  |

*Table 2: Daily tally of interviews, catch and effort.*

| Date        | Day       | Average<br>Fishing<br>Conditions | Interviews &<br>Log Trips | Chinook | Coho | Sockeye | Halibut | Observed<br>Fishing | Flight<br>Time | Expanded<br>Fishing |
|-------------|-----------|----------------------------------|---------------------------|---------|------|---------|---------|---------------------|----------------|---------------------|
| 26-Feb-2022 | Saturday  |                                  | 1                         | 3       |      |         |         |                     |                |                     |
| 27-Feb-2022 | Sunday    |                                  | 1                         |         |      |         |         |                     |                |                     |
| 28-Feb-2022 | Monday    |                                  | 0                         |         |      |         |         |                     |                |                     |
| 01-Mar-2022 | Tuesday   |                                  | 1                         |         |      |         |         |                     |                |                     |
| 02-Mar-2022 | Wednesday |                                  | 2                         | 3       |      |         |         |                     |                |                     |
| 03-Mar-2022 | Thursday  |                                  | 5                         | 2       |      |         |         |                     |                |                     |
| 04-Mar-2022 | Friday    |                                  | 0                         |         |      |         |         |                     |                |                     |
| 05-Mar-2022 | Saturday  |                                  | 1                         | 1       |      |         |         |                     |                |                     |
| 06-Mar-2022 | Sunday    |                                  | 2                         |         |      |         |         |                     |                |                     |
| 07-Mar-2022 | Monday    |                                  | 2                         | 1       |      |         |         |                     |                |                     |
| 08-Mar-2022 | Tuesday   |                                  | 1                         |         |      |         |         |                     |                |                     |
| 09-Mar-2022 | Wednesday |                                  | 0                         |         |      |         |         |                     |                |                     |
| 10-Mar-2022 | Thursday  |                                  | 1                         |         |      |         |         |                     |                |                     |
| 11-Mar-2022 | Friday    |                                  | 0                         |         |      |         |         |                     |                |                     |
| 12-Mar-2022 | Saturday  |                                  | 0                         |         |      |         |         |                     |                |                     |
| 13-Mar-2022 | Sunday    |                                  | 0                         |         |      |         |         |                     |                |                     |
| 14-Mar-2022 | Monday    |                                  | 0                         |         |      |         |         |                     |                |                     |
| 15-Mar-2022 | Tuesday   |                                  | 0                         |         |      |         |         |                     |                |                     |
| 16-Mar-2022 | Wednesday |                                  | 1                         |         |      |         |         |                     |                |                     |
| 17-Mar-2022 | Thursday  |                                  | 1                         | 1       |      |         |         |                     |                |                     |
| 18-Mar-2022 | Friday    |                                  | 4                         | 3       |      |         |         |                     |                |                     |
| 19-Mar-2022 | Saturday  |                                  | 0                         |         |      |         |         |                     |                |                     |
| 20-Mar-2022 | Sunday    |                                  | 2                         | 4       |      |         |         |                     |                |                     |
| 21-Mar-2022 | Monday    |                                  | 1                         | 1       |      |         |         |                     |                |                     |
| 22-Mar-2022 | Tuesday   |                                  | 3                         | 1       |      |         |         |                     |                |                     |
| 23-Mar-2022 | Wednesday |                                  | 0                         |         |      |         |         |                     |                |                     |
| 24-Mar-2022 | Thursday  |                                  | 3                         | 4       |      |         |         |                     |                |                     |
| 25-Mar-2022 | Friday    |                                  | 6                         | 4       |      |         |         |                     |                |                     |
| 26-Mar-2022 | Saturday  |                                  | 4                         | 6       |      |         |         |                     |                |                     |
| 27-Mar-2022 | Sunday    |                                  | 2                         | 3       |      |         |         |                     |                |                     |
| 28-Mar-2022 | Monday    |                                  | 7                         | 8       |      |         |         |                     |                |                     |
| 29-Mar-2022 | Tuesday   |                                  | 6                         | 4       |      |         |         |                     |                |                     |
| 30-Mar-2022 | Wednesday |                                  | 1                         |         |      |         |         |                     |                |                     |
| 31-Mar-2022 | Thursday  |                                  | 3                         | 3       |      |         |         |                     |                |                     |
| 01-Apr-2022 | Friday    |                                  | 1                         |         |      |         |         |                     |                |                     |
| 02-Apr-2022 | Saturday  |                                  | 1                         |         |      |         |         | 19                  | 1301           |                     |
| 03-Apr-2022 | Sunday    |                                  | 1                         |         |      |         |         |                     |                |                     |
|             | Totals    |                                  | 48                        | 35      |      |         |         | *                   |                | *                   |
|             | Totals    |                                  | 11                        | 14      |      |         |         | *                   |                | *                   |

\* 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  |                        | 23             |                        | 0.729   |      |         |         |          |      |         |         |
| Weekend  |                        | 8              |                        | 1.273   |      |         |         |          |      |         |         |

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

| Year     | Month | Total Effort | Chinook Kept | Coho Kept | Sockeye Kept | Halibut Kept |
|----------|-------|--------------|--------------|-----------|--------------|--------------|
| 2018     | March | 449          | 92           |           |              |              |
| 5-Yr Avg | March | 449          | 92           |           |              |              |

**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 |                    | %               |                       | 508               | 67%            | 6%                   | 28                    |

**Table 6: Guided Proprtions Review.**

| Data Source  | Interviews / Angler Days | Guided Proportion |
|--------------|--------------------------|-------------------|
| iRec Anglers | 3194                     | 8%                |

*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 | 7:00 | 8:00 | 9:00 | 10:00 | 11:00 | 12:00 | 01:00 | 02:00 | 03:00 | 04:00 | 05:00 | 06:00 | 07:00 | 08:00 | 09:00 | 10:00 |
|-------|----------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|       |          | AM   | AM   | AM   | AM   | AM    | AM    | PM    | PM    | PM    | PM    | PM    | PM    | PM    | PM    | PM    | PM    | PM    |

**Table 8: Daily Fishing Conditions.**

| Date        | Day Type |
|-------------|----------|
| 26 Feb 2022 | Weekend  |
| 27 Feb 2022 | Weekend  |
| 28 Feb 2022 | Midweek  |
| 01 Mar 2022 | Midweek  |
| 02 Mar 2022 | Midweek  |
| 03 Mar 2022 | Midweek  |
| 04 Mar 2022 | Midweek  |
| 05 Mar 2022 | Weekend  |
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