FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE



Prepared By: South Coast Salmon Stock Assessment Section

Saturday 10th February, 2024



| | | Comox | Mun | Frencl | n Ck | Kitty Co | leman | Pacific | Play |
|-------------|----------|-------|-----|--------|------|----------|-------|---------|------|
| Date | Day Type | AM | PM | AM | PM | AM | PM | AM | PM |
| 28 Sep 2023 | Midweek | | | | | | | | |
| 29 Sep 2023 | Midweek | | | 6 | | | | | |
| 30 Sep 2023 | Weekend | | | | 13 | | | | |
| 01 Oct 2023 | Weekend | | | | 22 | | | | |
| 02 Oct 2023 | Midweek | | | | | | | | |
| 03 Oct 2023 | Midweek | | | | | | 4 | | |
| 04 Oct 2023 | Midweek | | 5 | | | | | | 3 |
| 05 Oct 2023 | Midweek | | | | | | 1 | | |
| 06 Oct 2023 | Midweek | | | | 14 | | | | |
| 07 Oct 2023 | Weekend | | 21 | | | | | | |
| 08 Oct 2023 | Weekend | | | | | 1 | | | |
| 09 Oct 2023 | Weekend | | | | | | | | |
| 10 Oct 2023 | Midweek | | | | | | | | |
| 11 Oct 2023 | Midweek | | 3 | | | | | | |
| 12 Oct 2023 | Midweek | | | | | | | | |
| 13 Oct 2023 | Midweek | | | 4 | | | | | |
| 14 Oct 2023 | Weekend | | | | | | | | |
| 15 Oct 2023 | Weekend | | | 1 | | | | | |
| 16 Oct 2023 | Midweek | | | | | | | | |
| 17 Oct 2023 | Midweek | | | | | | | | |
| 18 Oct 2023 | Midweek | | | | | | | | |
| 19 Oct 2023 | Midweek | | | | | | | | |
| 20 Oct 2023 | Midweek | | | | | | | | |
| 21 Oct 2023 | Weekend | | | | | | | | |
| 22 Oct 2023 | Weekend | | | | | | | | 1 |
| 23 Oct 2023 | Midweek | | | | | | | | |
| 24 Oct 2023 | Midweek | | | | | | | | 1 |
| 25 Oct 2023 | Midweek | | | | | | | | |
| 26 Oct 2023 | Midweek | 3 | | | | | | | |
| 27 Oct 2023 | Midweek | | | | | | | | |
| 28 Oct 2023 | Weekend | | | 7 | | | | 2 | |
| 29 Oct 2023 | Weekend | 2 | | | | | | | |
| 30 Oct 2023 | Midweek | | | | | | | | |
| 31 Oct 2023 | Midweek | | | | | | | | |
| 01 Nov 2023 | Midweek | | | | | | | | |
| 02 Nov 2023 | Midweek | | | | | | | | |
| 03 Nov 2023 | Midweek | | | | | | | | |

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

| 28-Sep-2023 Firday choppy 1 1 16 1214 29 29-Sep-2023 Firday choppy 14 5 32 7 01-Oct-2023 Sturday choppy 23 14 22 44 1236 78 02-Oct-2023 Monday 0 < | Date | Day | Average Fishing Conditions | Interviews & Log Trips | Chinook | Coho | Sockeye | Halibut | Observed Fishing | Flight Time | Expanded Fishing |
|---|-------------|----------------|--|---------------------------|---------|------|---------|---------|---------------------|----------------|---------------------|
| | 28-Sep-2023 | Thursday | | 1 | 1 | | | | 16 | 1214 | 29 |
| Introder 2023 Sunday choppy 23 14 22 44 1236 78 02-Oct-2023 Monday 0< | 29-Sep-2023 | Friday | choppy | 6 | | | | | | | |
| 02-Oct-2023 Monday 0 03-Oct-2023 Tuesday calm/rippled 5 2 4 04-Oct-2023 Wednesday calm/rippled 9 7 4 28 1200 52 05-Oct-2023 Friday calm/rippled 1 6 15 6 15 06-Oct-2023 Saturday calm/rippled 22 7 6 6 6 7 7 6 7 7 6 7 7 6 7 7 6 7 7 6 7 7 6 7 <td>30-Sep-2023</td> <td>Saturday</td> <td></td> <td>14</td> <td>5</td> <td>32</td> <td></td> <td></td> <td></td> <td></td> <td></td> | 30-Sep-2023 | Saturday | | 14 | 5 | 32 | | | | | |
| 03-0cr-2023 Tuesday calm/rippled 5 2 4 04-0cr-2023 Thursday calm/rippled 9 7 4 28 1200 52 05-0cr-2023 Thursday calm/rippled 15 6 15 6 15 07-0cr-2023 Stunday calm/rippled 12 6 15 6 15 08-0cr-2023 Sunday frequent 2 1 6 16 16 09-0cr-2023 Monday frequent 2 1 7 6 7< | 01-Oct-2023 | Sunday | choppy | 23 | 14 | 22 | | | 44 | 1236 | 78 |
| 04-Oct-2023 Wodnesday calm/rippled 1 28 1200 52 05-Oct-2023 Firiday calm/rippled 1 6 15 6 15 06-Oct-2023 Firiday calm/rippled 22 7 6 6 6 15 6 15 6 15 6 15 6 15 6 16 <td>02-Oct-2023</td> <td>Monday</td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | 02-Oct-2023 | Monday | | 0 | | | | | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 03-Oct-2023 | Tuesday | calm/rippled | 5 | 2 | 4 | | | | | |
| 06-Oct-2023 Friday calm/rippled 15 6 15 07-Oct-2023 Saturday calm/rippled 22 7 6 08-Oct-2023 Monday 0 1 1 1 09-Oct-2023 Monday 0 1 1 1 1 10-Oct-2023 Tuesday calm/rippled 4 3 1 | 04-Oct-2023 | Wednesday | calm/rippled | 9 | 7 | 4 | | | 28 | 1200 | 52 |
| 07-Oct-2023 Saturday calm/rippled 22 7 6 08-Oct-2023 Sunday frequent 2 1 <t< td=""><td>05-Oct-2023</td><td>Thursday</td><td>calm/rippled</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | 05-Oct-2023 | Thursday | calm/rippled | 1 | | | | | | | |
| 08-Oct-2023 Sunday frequent whitecaps 2 1 09-Oct-2023 Monday (Thanksgiving) 0 - <td>06-Oct-2023</td> <td>Friday</td> <td>calm/rippled</td> <td>15</td> <td>6</td> <td>15</td> <td></td> <td></td> <td></td> <td></td> <td></td> | 06-Oct-2023 | Friday | calm/rippled | 15 | 6 | 15 | | | | | |
| whitecaps 09-Oct-2023 Monday (Thanksgiving) 0 10-Oct-2023 Tuesday 0 11-Oct-2023 Tuesday 0 12-Oct-2023 Wednesday calm/rippled 4 3 12-Oct-2023 Friday choppy 5 4 5 14-Oct-2023 Saturday 0 | 07-Oct-2023 | Saturday | calm/rippled | 22 | 7 | 6 | | | | | |
| 09-Oct-2023 Monday (Thanksgiving) 0 10-Oct-2023 Tuesday 0 11-Oct-2023 Wednesday calm/rippled 4 3 12-Oct-2023 Thursday 0 1 1 13-Oct-2023 Friday 0 1 1 14-Oct-2023 Saturday 0 1 1 16-Oct-2023 Saturday 0 1 1 16-Oct-2023 Monday 0 1 1 16-Oct-2023 Monday 0 1 1 19-Oct-2023 Tuesday 0 1 1 1 20-Oct-2023 Wednesday 0 1 1 1 22-Oct-2023 Saturday 1 1 1 1 22-Oct-2023 Monday 1 1 1 1 1 22-Oct-2023 Monday 1 1 1 2 2 2 2 2 2 2 2 2 2 <td>08-Oct-2023</td> <td>Sunday</td> <td>frequent</td> <td>2</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | 08-Oct-2023 | Sunday | frequent | 2 | 1 | | | | | | |
| (Thanksgiving) 10-Oct-2023 Tuesday 0 11-Oct-2023 Tuesday 0 12-Oct-2023 Thursday 0 13-Oct-2023 Friday choppy 5 4 5 14-Oct-2023 Saturday 0 | | | whitecaps | | | | | | | | |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | 09-Oct-2023 | Monday | le l | 0 | | | | | | | |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | | (Thanksgiving) | | | | | | | | | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 10-Oct-2023 | | | 0 | | | | | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 11-Oct-2023 | Wednesday | calm/rippled | 4 | 3 | | | | | | |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | 12-Oct-2023 | Thursday | | 0 | | | | | | | |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ | 13-Oct-2023 | Friday | choppy | 5 | 4 | 5 | | | | | |
| whitecaps 16-Oct-2023 Monday 0 17-Oct-2023 Tuesday 0 18-Oct-2023 Wednesday 0 19-Oct-2023 Thursday 0 20-Oct-2023 Friday 1 21-Oct-2023 Saturday 1 1 21-Oct-2023 Saturday 1 1 22-Oct-2023 Saturday 1 1 22-Oct-2023 Monday 1 1 24-Oct-2023 Tuesday choppy 1 1 24-Oct-2023 Tuesday choppy 3 1152 6 25-Oct-2023 Wednesday 0 3 1152 6 25-Oct-2023 Thursday choppy 3 12 1208 22 27-Oct-2023 Friday 0 - - - - 28-Oct-2023 Saturday choppy 1 1 - - - - - - - - - | 14-Oct-2023 | Saturday | | 0 | | | | | | | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 15-Oct-2023 | Sunday | frequent | 1 | | | | | | | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | whitecaps | | | | | | | | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 16-Oct-2023 | Monday | | 0 | | | | | | | |
| 19-Oct-2023 Thursday 0 20-Oct-2023 Friday 1 1 21-Oct-2023 Saturday 1 1 21-Oct-2023 Saturday choppy 1 9 1216 17 22-Oct-2023 Sunday choppy 1 1 9 1216 17 22-Oct-2023 Sunday choppy 1 1 9 1216 17 23-Oct-2023 Monday 1 | 17-Oct-2023 | Tuesday | | 0 | | | | | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 18-Oct-2023 | Wednesday | | 0 | | | | | | | |
| 21-Oct-2023 Saturday 1 9 1216 17 22-Oct-2023 Sunday choppy 1 1 1 1 23-Oct-2023 Monday 1 1 1 1 1 24-Oct-2023 Tuesday calm/rippled 1 1 3 1152 6 25-Oct-2023 Wednesday 0 0 26 25 27 20 22 27 26-Oct-2023 Thursday choppy 3 12 1208 22 22 27-Oct-2023 Friday 0 0 22 27 24 29 24 29 24 29 24 29 24 29 24 29 24 29 24 29 24 <t< td=""><td>19-Oct-2023</td><td>Thursday</td><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | 19-Oct-2023 | Thursday | | 0 | | | | | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 20-Oct-2023 | Friday | | 1 | 1 | | | | | | |
| 23-Oct-2023 Monday 1 1 24-Oct-2023 Tuesday calm/rippled 1 3 1152 6 25-Oct-2023 Wednesday 0 12 1208 22 26-Oct-2023 Thursday choppy 3 12 1208 22 27-Oct-2023 Friday 0 1 13 1234 24 28-Oct-2023 Saturday calm/rippled 11 13 13 1234 24 29-Oct-2023 Sunday choppy 2 2 24 | 21-Oct-2023 | Saturday | | 1 | | | | | 9 | 1216 | 17 |
| 24-Oct-2023 Tuesday calm/rippled 1 3 1152 6 25-Oct-2023 Wednesday 0 12 1208 22 26-Oct-2023 Friday 0 12 1208 22 27-Oct-2023 Friday 0 13 1234 24 29-Oct-2023 Saturday calm/rippled 11 13 13 1234 24 29-Oct-2023 Sunday choppy 2 1 1 13 1234 24 29-Oct-2023 Monday 1 <td< td=""><td>22-Oct-2023</td><td>Sunday</td><td>choppy</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | 22-Oct-2023 | Sunday | choppy | 1 | | | | | | | |
| 25-Oct-2023 Wednesday 0 26-Oct-2023 Thursday choppy 3 12 1208 22 27-Oct-2023 Friday 0 13 1234 24 28-Oct-2023 Saturday calm/rippled 11 13 13 1234 24 29-Oct-2023 Sunday choppy 2 1 1 1 13 1234 24 30-Oct-2023 Monday 1 | 23-Oct-2023 | Monday | | 1 | 1 | | | | | | |
| 26-Oct-2023 Thursday choppy 3 12 1208 22 27-Oct-2023 Friday 0 1 13 13 24 28-Oct-2023 Saturday calm/rippled 11 13 13 1234 24 29-Oct-2023 Sunday choppy 2 1 1 1 13 1234 24 30-Oct-2023 Monday 1 | 24-Oct-2023 | Tuesday | calm/rippled | 1 | | | | | 3 | 1152 | 6 |
| 27-Oct-2023 Friday 0 28-Oct-2023 Saturday calm/rippled 11 13 1234 24 29-Oct-2023 Sunday choppy 2 1 <td>25-Oct-2023</td> <td>Wednesday</td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | 25-Oct-2023 | Wednesday | | 0 | | | | | | | |
| 28-Oct-2023 Saturday calm/rippled 11 13 13 1234 24 29-Oct-2023 Sunday choppy 2 1 1 1 13 1234 24 30-Oct-2023 Monday 1 <t< td=""><td>26-Oct-2023</td><td>Thursday</td><td>choppy</td><td>3</td><td></td><td></td><td></td><td></td><td>12</td><td>1208</td><td>22</td></t<> | 26-Oct-2023 | Thursday | choppy | 3 | | | | | 12 | 1208 | 22 |
| 29-Oct-2023 Sunday choppy 2 30-Oct-2023 Monday 1 1 31-Oct-2023 Tuesday 0 | 27-Oct-2023 | Friday | | | | | | | | | |
| 30-Oct-2023 Monday 1 1 31-Oct-2023 Tuesday 0 01-Nov-2023 Wednesday 0 02-Nov-2023 Thursday 0 03-Nov-2023 Friday 0 Totals calm/rippled 46 25 28 14* 27* | 28-Oct-2023 | Saturday | calm/rippled | 11 | 13 | | | | 13 | 1234 | 24 |
| 31-Oct-2023 Tuesday 0 01-Nov-2023 Wednesday 0 02-Nov-2023 Thursday 0 03-Nov-2023 Friday 0 Totals calm/rippled 46 25 28 14* 27* | 29-Oct-2023 | Sunday | choppy | 2 | | | | | | | |
| 01-Nov-2023 Wednesday 0 02-Nov-2023 Thursday 0 03-Nov-2023 Friday 0 Totals calm/rippled 46 25 28 14* 27* | 30-Oct-2023 | Monday | | 1 | 1 | | | | | | |
| 02-Nov-2023 Thursday 0 03-Nov-2023 Friday 0 Totals calm/rippled 46 25 28 14* 27* | | | | | | | | | | | |
| 03-Nov-2023 Friday 0 Totals calm/rippled 46 25 28 14* 27* | 01-Nov-2023 | Wednesday | | | | | | | | | |
| Totals calm/rippled 46 25 28 14* 27* | 02-Nov-2023 | Thursday | | 0 | | | | | | | |
| | 03-Nov-2023 | Friday | | | | | | | | | |
| | | Totals | calm/rippled | 46 | | | | | | | |
| Totals choppy 63 35 28 22* 40* | | Totals | choppy | 63 | 35 | 28 | | | 22* | | 40^{*} |

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

* Average number of boats Observed and Expanded

| | | | | CPUE | | | | | Ret | ained | |
|----------|----------|-----------|-----------|---------|-------|---------|---------|---------|------|---------|---------|
| Day Type | Average | Number of | Total | Chinook | Coho | Sockeye | Halibut | Chinook | Coho | Sockeye | Halibut |
| | Expanded | Days | Estimated | | | | | | | | |
| | Boats | | Effort | | | | | | | | |
| Midweek | 27 | 21 | 567 | 0.543 | 0.609 | | | 308 | 345 | | |
| Weekend | 40 | 10 | 400 | 0.556 | 0.444 | | | 222 | 178 | | |

Table 3: Simple area based cpue (catch per boat trip) expansion.

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

| Year | Month | Total Effort | Chinook Kept | Coho Kept | Sockeye Kept | Halibut Kept |
|----------|---------|--------------|--------------|-----------|--------------|--------------|
| 2018 | October | 720 | 264 | | | |
| 2019 | October | 548 | 104 | | | 0 |
| 2020 | October | 1003 | 56 | 40 | | 0 |
| 2021 | October | 296 | 92 | 48 | | 0 |
| 2022 | October | 1631 | 799 | 508 | | 0 |
| 2023 | October | 895 | 446 | 618 | | 0 |
| 5-Yr Avg | October | 840 | 263 | 199 | | 0 |

Table 5: Sport Head Recovery Review.

| Species | Creel Marked Catch | | Creel Submission Rate | iRec Marked Catch | iRec Mark Rate | iRec Submission Rate | Sport Head Recoveries |
|---------|--------------------------|-----|-----------------------------|-------------------------|----------------------|----------------------------|--------------------------|
| Coho | 429 | 69% | 7% | 448 | 98% | 7% | 30 |
| Chinook | 84 | 19% | 12% | 39 | 12% | 26% | 10 |

Table 6: Guided Proprtions Review.

| Data Source | Interviews / Angler Days | Guided Proportion |
|------------------|--------------------------|-------------------|
| Creel Interivews | 109 | 4% |
| iRec Anglers | 1006 | 4% |

4

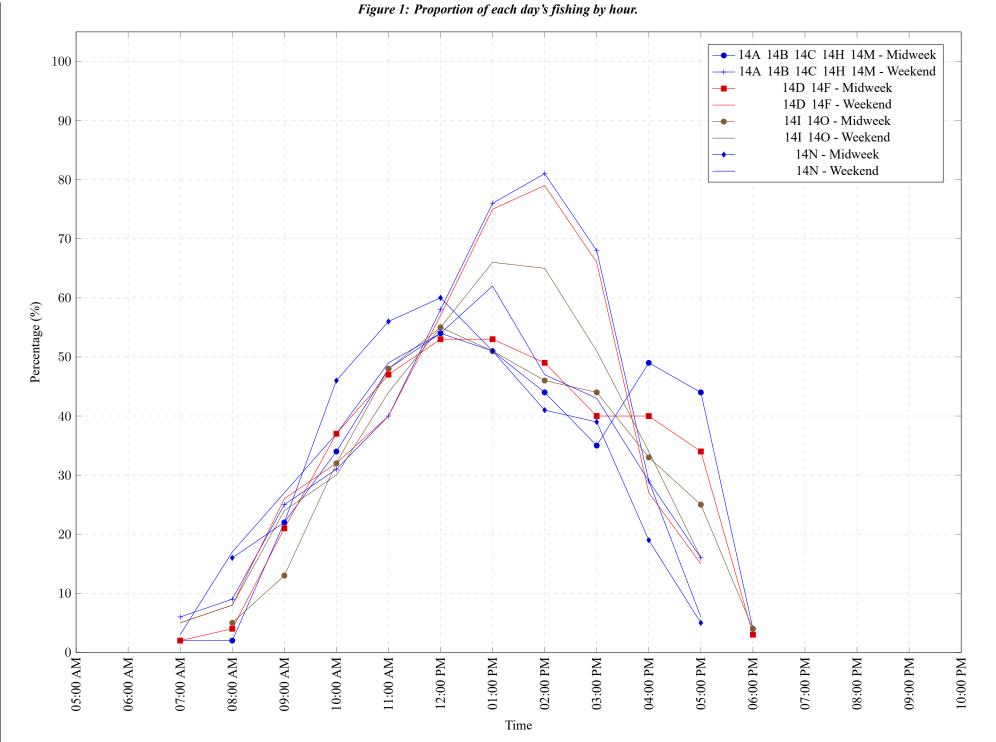


 Table 7: Proportion of each day's fishing by hour.

| 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 |
|---------------------|----------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | NC 1 1 | | | | | | | | | 1 | | | | | | | | |
| 14A 14B 14C 14H 14M | Midweek | 0% | 2% | 2% | 22% | 34% | 48% | 54% | 51% | 44% | 35% | 49% | 44% | 4% | 0% | 0% | 0% | 0% |
| 14A 14B 14C 14H 14M | Weekend | 0% | 6% | 9% | 25% | 31% | 40% | 58% | 76% | 81% | 68% | 29% | 16% | 0% | 0% | 0% | 0% | 0% |
| 14D 14F | Midweek | 0% | 2% | 4% | 21% | 37% | 47% | 53% | 53% | 49% | 40% | 40% | 34% | 3% | 0% | 0% | 0% | 0% |
| 14D 14F | Weekend | 0% | 5% | 8% | 26% | 32% | 40% | 57% | 75% | 79% | 66% | 27% | 15% | 0% | 0% | 0% | 0% | 0% |
| 14I 14O | Midweek | 0% | 0% | 5% | 13% | 32% | 48% | 55% | 51% | 46% | 44% | 33% | 25% | 4% | 0% | 0% | 0% | 0% |
| 14I 14O | Weekend | 0% | 5% | 8% | 24% | 30% | 44% | 55% | 66% | 65% | 51% | 34% | 16% | 0% | 0% | 0% | 0% | 0% |
| 14N | Midweek | 0% | 0% | 16% | 22% | 46% | 56% | 60% | 51% | 41% | 39% | 19% | 5% | 0% | 0% | 0% | 0% | 0% |
| 14N | Weekend | 0% | 3% | 17% | 27% | 37% | 49% | 54% | 62% | 47% | 43% | 29% | 6% | 0% | 0% | 0% | 0% | 0% |

S

| Date | Day Type | Comox Mun | French Ck | Kitty Coleman | Pacific Play |
|-------------|----------|--------------|-----------------------|------------------|--------------|
| 28 Sep 2023 | Midweek | | | | |
| 29 Sep 2023 | Midweek | | choppy | | |
| 30 Sep 2023 | Weekend | | choppy | | |
| 01 Oct 2023 | Weekend | | choppy | | |
| 02 Oct 2023 | Midweek | | 117 | | |
| 03 Oct 2023 | Midweek | | | calm/rippled | |
| 04 Oct 2023 | Midweek | calm/rippled | | 11 | calm/rippled |
| 05 Oct 2023 | Midweek | | | calm/rippled | |
| 06 Oct 2023 | Midweek | | calm/rippled | | |
| 07 Oct 2023 | Weekend | calm/rippled | | | |
| 08 Oct 2023 | Weekend | | | frequent | |
| | | | | whitecaps | |
| 09 Oct 2023 | Weekend | | | | |
| 10 Oct 2023 | Midweek | | | | |
| 11 Oct 2023 | Midweek | calm/rippled | | | |
| 12 Oct 2023 | Midweek | | | | |
| 13 Oct 2023 | Midweek | | choppy | | |
| 14 Oct 2023 | Weekend | | | | |
| 15 Oct 2023 | Weekend | | frequent whitecaps | | |
| 16 Oct 2023 | Midweek | | | | |
| 17 Oct 2023 | Midweek | | | | |
| 18 Oct 2023 | Midweek | | | | |
| 19 Oct 2023 | Midweek | | | | |
| 20 Oct 2023 | Midweek | | | | |
| 21 Oct 2023 | Weekend | | | | |
| 22 Oct 2023 | Weekend | | | | choppy |
| 23 Oct 2023 | Midweek | | | | |
| 24 Oct 2023 | Midweek | | | | calm/rippled |
| 25 Oct 2023 | Midweek | | | | |
| 26 Oct 2023 | Midweek | choppy | | | |
| 27 Oct 2023 | Midweek | | | | |
| 28 Oct 2023 | Weekend | | calm/rippled | | choppy |
| 29 Oct 2023 | Weekend | choppy | | | |
| 30 Oct 2023 | Midweek | | | | |
| 31 Oct 2023 | Midweek | | | | |
| 01 Nov 2023 | Midweek | | | | |
| 02 Nov 2023 | Midweek | | | | |
| 03 Nov 2023 | Midweek | | | | |

Table 8: Daily Fishing Conditions.