

# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 15 June 2024



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*Prepared By:*

South Coast Salmon Stock Assessment Section

Sunday 18<sup>th</sup> August, 2024



Fisheries and Oceans  
Canada

Pêches et Océans  
Canada



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

|             |          | Big Rock<br>Boat<br>Rental | Brown's<br>Bay | Discovery Marina<br>South |    | Lund |    | Pacific Play |    | Westview |    |
|-------------|----------|----------------------------|----------------|---------------------------|----|------|----|--------------|----|----------|----|
| Date        | Day Type | PM                         | PM             | AM                        | PM | AM   | PM | AM           | PM | AM       | PM |
| 29 May 2024 | Midweek  |                            |                |                           |    |      |    |              |    |          |    |
| 30 May 2024 | Midweek  |                            |                |                           |    |      |    |              |    |          |    |
| 31 May 2024 | Midweek  |                            |                |                           |    |      |    |              |    |          |    |
| 01 Jun 2024 | Weekend  |                            | 1              | 1                         |    |      |    |              |    |          |    |
| 02 Jun 2024 | Weekend  |                            |                | 1                         |    |      |    |              |    |          |    |
| 03 Jun 2024 | Midweek  |                            |                |                           |    |      |    |              |    |          |    |
| 04 Jun 2024 | Midweek  |                            |                |                           |    |      |    |              |    |          |    |
| 05 Jun 2024 | Midweek  |                            |                | 2                         |    | 6    |    |              |    |          |    |
| 06 Jun 2024 | Midweek  |                            |                |                           |    |      |    |              |    |          |    |
| 07 Jun 2024 | Midweek  |                            |                |                           |    |      |    |              |    |          |    |
| 08 Jun 2024 | Weekend  | 3                          | 1              |                           |    |      |    |              |    |          |    |
| 09 Jun 2024 | Weekend  |                            |                | 2                         | 3  |      |    |              |    |          |    |
| 10 Jun 2024 | Midweek  |                            |                |                           | 1  |      |    |              |    |          | 1  |
| 11 Jun 2024 | Midweek  |                            |                |                           |    |      |    |              |    |          |    |
| 12 Jun 2024 | Midweek  |                            |                |                           |    |      |    |              |    |          |    |
| 13 Jun 2024 | Midweek  |                            |                |                           |    |      |    |              |    |          |    |
| 14 Jun 2024 | Midweek  |                            |                |                           |    |      |    |              |    |          |    |
| 15 Jun 2024 | Weekend  |                            |                | 1                         | 2  |      |    |              |    |          |    |
| 16 Jun 2024 | Weekend  |                            |                |                           |    |      |    |              |    |          |    |
| 17 Jun 2024 | Midweek  |                            |                |                           |    |      |    |              |    |          |    |
| 18 Jun 2024 | Midweek  |                            | 2              |                           |    |      |    |              |    |          |    |
| 19 Jun 2024 | Midweek  |                            |                |                           |    | 2    |    |              |    |          |    |
| 20 Jun 2024 | Midweek  |                            |                |                           |    |      |    | 1            |    |          |    |
| 21 Jun 2024 | Midweek  |                            |                |                           |    |      |    |              |    |          |    |
| 22 Jun 2024 | Weekend  | 1                          |                |                           |    |      |    |              |    |          |    |
| 23 Jun 2024 | Weekend  |                            |                | 3                         |    |      |    |              |    |          | 1  |
| 24 Jun 2024 | Midweek  |                            |                |                           |    |      | 1  | 1            |    |          |    |
| 25 Jun 2024 | Midweek  | 2                          |                |                           |    | 1    |    |              |    |          |    |
| 26 Jun 2024 | Midweek  |                            |                | 3                         | 1  | 3    |    |              |    |          |    |
| 27 Jun 2024 | Midweek  |                            |                |                           |    |      |    |              |    |          |    |
| 28 Jun 2024 | Midweek  |                            |                |                           |    |      |    |              |    |          |    |
| 29 Jun 2024 | Weekend  |                            |                |                           |    |      |    | 4            |    | 3        |    |
| 30 Jun 2024 | Weekend  |                            |                |                           |    |      |    |              |    |          | 18 |
| 01 Jul 2024 | Weekend  |                            |                |                           |    |      |    |              |    |          |    |
| 02 Jul 2024 | Midweek  |                            |                |                           |    |      |    |              |    |          |    |
| 03 Jul 2024 | 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-May-2024 | Wednesday           |                            | 0                      |         |      |         |         |                  |             |                  |
| 30-May-2024 | Thursday            |                            | 0                      |         |      |         |         | 19               | 1221        | 67               |
| 31-May-2024 | Friday              |                            | 2                      | 2       |      |         |         |                  |             |                  |
| 01-Jun-2024 | Saturday            | calm/rippled               | 4                      | 7       |      |         |         | 21               | 1222        | 49               |
| 02-Jun-2024 | Sunday              | frequent whitecaps         | 1                      |         |      |         |         |                  |             |                  |
| 03-Jun-2024 | Monday              |                            | 2                      | 4       |      |         |         |                  |             |                  |
| 04-Jun-2024 | Tuesday             |                            | 5                      |         |      |         |         |                  |             |                  |
| 05-Jun-2024 | Wednesday           | choppy                     | 19                     | 14      | 2    |         |         |                  |             |                  |
| 06-Jun-2024 | Thursday            |                            | 8                      | 7       |      |         |         |                  |             |                  |
| 07-Jun-2024 | Friday              |                            | 1                      |         |      |         |         | 36               | 1226        | 128              |
| 08-Jun-2024 | Saturday            | calm/rippled               | 4                      | 11      |      |         |         |                  |             |                  |
| 09-Jun-2024 | Sunday              | choppy                     | 10                     | 13      |      |         |         | 34               | 1242        | 81               |
| 10-Jun-2024 | Monday              | frequent whitecaps         | 4                      |         |      |         |         |                  |             |                  |
| 11-Jun-2024 | Tuesday             |                            | 4                      | 1       |      |         |         |                  |             |                  |
| 12-Jun-2024 | Wednesday           |                            | 4                      |         |      |         |         |                  |             |                  |
| 13-Jun-2024 | Thursday            |                            | 2                      | 2       |      |         |         |                  |             |                  |
| 14-Jun-2024 | Friday              |                            | 2                      | 1       |      |         |         | 14               | 1218        | 50               |
| 15-Jun-2024 | Saturday            | calm/rippled               | 3                      | 2       |      |         |         | 37               | 1224        | 87               |
| 16-Jun-2024 | Sunday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 17-Jun-2024 | Monday              |                            | 1                      |         |      |         |         |                  |             |                  |
| 18-Jun-2024 | Tuesday             | calm/rippled               | 7                      |         |      |         |         |                  |             |                  |
| 19-Jun-2024 | Wednesday           | calm/rippled               | 7                      |         |      |         |         |                  |             |                  |
| 20-Jun-2024 | Thursday            | calm/rippled               | 5                      |         |      |         |         | 43               | 1224        | 153              |
| 21-Jun-2024 | Friday              |                            | 2                      | 2       |      |         |         |                  |             |                  |
| 22-Jun-2024 | Saturday            |                            | 1                      | 1       |      |         |         | 10               | 1223        | 24               |
| 23-Jun-2024 | Sunday              | choppy                     | 7                      | 9       | 1    |         |         |                  |             |                  |
| 24-Jun-2024 | Monday              | calm/rippled               | 4                      | 5       |      |         |         | 27               | 1216        | 93               |
| 25-Jun-2024 | Tuesday             | calm/rippled               | 4                      | 5       | 3    |         |         |                  |             |                  |
| 26-Jun-2024 | Wednesday           | calm/rippled               | 8                      | 5       | 1    |         |         |                  |             |                  |
| 27-Jun-2024 | Thursday            |                            | 2                      |         |      |         |         |                  |             |                  |
| 28-Jun-2024 | Friday              |                            | 3                      | 2       |      |         |         |                  |             |                  |
| 29-Jun-2024 | Saturday            | calm/rippled               | 7                      | 3       | 1    |         |         |                  |             |                  |
| 30-Jun-2024 | Sunday              | choppy                     | 18                     |         | 6    |         |         |                  |             |                  |
| 01-Jul-2024 | Monday (Canada Day) | frequent whitecaps         | 2                      |         | 4    |         |         | 22               | 1238        | 54               |
| 02-Jul-2024 | Tuesday             |                            | 0                      |         |      |         |         |                  |             |                  |
| 03-Jul-2024 | Wednesday           |                            | 0                      |         |      |         |         | 28               | 1239        | 100              |
|             | Totals              | calm/rippled               | 94                     | 48      | 6    |         |         | 30*              |             | 106*             |
|             | Totals              | choppy                     | 55                     | 46      | 8    |         |         | 26*              |             | 60*              |

\* 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  | 106                    | 20             | 2120                   | 0.511   | 0.064 |         |         | 1083     | 136  |         |         |
| Weekend  | 60                     | 10             | 600                    | 0.836   | 0.145 |         |         | 502      | 87   |         |         |

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

| Year     | Month | Total Effort | Chinook Kept | Coho Kept | Sockeye Kept | Halibut Kept |
|----------|-------|--------------|--------------|-----------|--------------|--------------|
| 2019     | June  | 467          | 9            |           |              | 0            |
| 2020     | June  | 281          |              | 20        |              |              |
| 2021     | June  | 1466         | 1384         |           |              | 0            |
| 2022     | June  | 1275         | 1664         | 0         |              | 40           |
| 2023     | June  | 1389         | 1729         | 418       |              | 0            |
| 2024     | June  | 1862         | 1741         | 274       |              | 0            |
| 5-Yr Avg | June  | 976          | 1197         | 146       |              | 10           |

**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 | 71                       | 11%               |
| iRec Anglers     | 1737                     | 24%               |

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

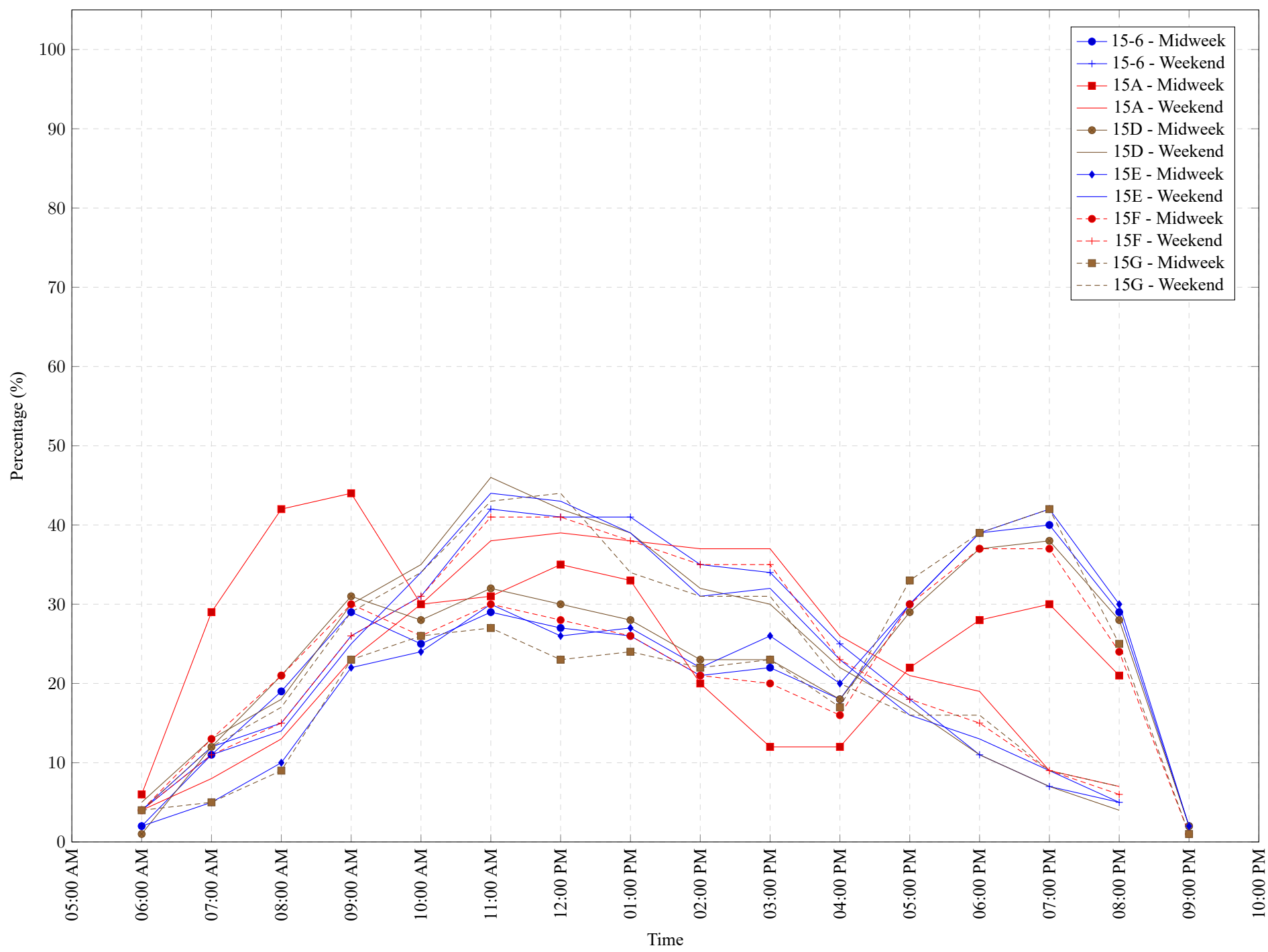


Table 7: Proportion of each day's fishing by hour.

| 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 |
|-------|----------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 15-6  | Midweek  | 2%      | 11%     | 19%     | 29%     | 25%      | 29%      | 27%      | 26%      | 21%      | 22%      | 18%      | 30%      | 39%      | 40%      | 29%      | 2%       | 0%       |
| 15-6  | Weekend  | 4%      | 12%     | 15%     | 26%     | 31%      | 42%      | 41%      | 41%      | 35%      | 34%      | 25%      | 18%      | 11%      | 7%       | 5%       | 0%       | 0%       |
| 15A   | Midweek  | 6%      | 29%     | 42%     | 44%     | 30%      | 31%      | 35%      | 33%      | 20%      | 12%      | 12%      | 22%      | 28%      | 30%      | 21%      | 0%       | 0%       |
| 15A   | Weekend  | 4%      | 8%      | 13%     | 23%     | 30%      | 38%      | 39%      | 38%      | 37%      | 37%      | 26%      | 21%      | 19%      | 9%       | 7%       | 0%       | 0%       |
| 15D   | Midweek  | 1%      | 12%     | 21%     | 31%     | 28%      | 32%      | 30%      | 28%      | 23%      | 23%      | 18%      | 29%      | 37%      | 38%      | 28%      | 2%       | 0%       |
| 15D   | Weekend  | 5%      | 13%     | 18%     | 30%     | 35%      | 46%      | 42%      | 39%      | 32%      | 30%      | 22%      | 17%      | 11%      | 7%       | 4%       | 0%       | 0%       |
| 15E   | Midweek  | 2%      | 5%      | 10%     | 22%     | 24%      | 30%      | 26%      | 27%      | 22%      | 26%      | 20%      | 30%      | 39%      | 42%      | 30%      | 2%       | 0%       |
| 15E   | Weekend  | 4%      | 11%     | 14%     | 25%     | 34%      | 44%      | 43%      | 39%      | 31%      | 32%      | 23%      | 16%      | 13%      | 9%       | 5%       | 0%       | 0%       |
| 15F   | Midweek  | 4%      | 13%     | 21%     | 30%     | 26%      | 30%      | 28%      | 26%      | 21%      | 20%      | 16%      | 30%      | 37%      | 37%      | 24%      | 1%       | 0%       |
| 15F   | Weekend  | 4%      | 11%     | 15%     | 26%     | 31%      | 41%      | 41%      | 38%      | 35%      | 35%      | 23%      | 18%      | 15%      | 9%       | 6%       | 0%       | 0%       |
| 15G   | Midweek  | 4%      | 5%      | 9%      | 23%     | 26%      | 27%      | 23%      | 24%      | 22%      | 23%      | 17%      | 33%      | 39%      | 42%      | 25%      | 1%       | 0%       |
| 15G   | Weekend  | 4%      | 12%     | 17%     | 29%     | 34%      | 43%      | 44%      | 34%      | 31%      | 31%      | 20%      | 16%      | 16%      | 9%       | 7%       | 0%       | 0%       |

**Table 8: Daily Fishing Conditions.**

| Date        | Day Type | Big Rock<br>Boat Rental | Brown's Bay  | Discovery<br>Marina<br>South | Lund                  | Pacific Play          | Westview              |
|-------------|----------|-------------------------|--------------|------------------------------|-----------------------|-----------------------|-----------------------|
| 29 May 2024 | Midweek  |                         |              |                              |                       |                       |                       |
| 30 May 2024 | Midweek  |                         |              |                              |                       |                       |                       |
| 31 May 2024 | Midweek  |                         |              |                              |                       |                       |                       |
| 01 Jun 2024 | Weekend  |                         | calm/rippled |                              |                       |                       | calm/rippled          |
| 02 Jun 2024 | Weekend  |                         |              |                              | frequent<br>whitecaps |                       |                       |
| 03 Jun 2024 | Midweek  |                         |              |                              |                       |                       |                       |
| 04 Jun 2024 | Midweek  |                         |              |                              |                       |                       |                       |
| 05 Jun 2024 | Midweek  |                         |              | calm/rippled                 |                       |                       | choppy                |
| 06 Jun 2024 | Midweek  |                         |              |                              |                       |                       |                       |
| 07 Jun 2024 | Midweek  |                         |              |                              |                       |                       |                       |
| 08 Jun 2024 | Weekend  |                         | calm/rippled |                              |                       |                       |                       |
| 09 Jun 2024 | Weekend  | choppy                  |              | calm/rippled                 | choppy                |                       |                       |
| 10 Jun 2024 | Midweek  |                         |              |                              |                       | frequent<br>whitecaps | choppy                |
| 11 Jun 2024 | Midweek  |                         |              |                              |                       |                       |                       |
| 12 Jun 2024 | Midweek  |                         |              |                              |                       |                       |                       |
| 13 Jun 2024 | Midweek  |                         |              |                              |                       |                       |                       |
| 14 Jun 2024 | Midweek  |                         |              |                              |                       |                       |                       |
| 15 Jun 2024 | Weekend  |                         |              | calm/rippled                 | choppy                |                       |                       |
| 16 Jun 2024 | Weekend  |                         |              |                              |                       |                       |                       |
| 17 Jun 2024 | Midweek  |                         |              |                              |                       |                       |                       |
| 18 Jun 2024 | Midweek  |                         | calm/rippled |                              |                       |                       |                       |
| 19 Jun 2024 | Midweek  |                         |              |                              | calm/rippled          |                       |                       |
| 20 Jun 2024 | Midweek  |                         |              |                              |                       | calm/rippled          |                       |
| 21 Jun 2024 | Midweek  |                         |              |                              |                       |                       |                       |
| 22 Jun 2024 | Weekend  |                         |              |                              |                       |                       |                       |
| 23 Jun 2024 | Weekend  | calm/rippled            |              | choppy                       |                       |                       | frequent<br>whitecaps |
| 24 Jun 2024 | Midweek  |                         |              |                              | choppy                | calm/rippled          |                       |
| 25 Jun 2024 | Midweek  | calm/rippled            |              | calm/rippled                 |                       |                       |                       |
| 26 Jun 2024 | Midweek  |                         |              | calm/rippled                 |                       |                       | choppy                |
| 27 Jun 2024 | Midweek  |                         |              |                              |                       |                       |                       |
| 28 Jun 2024 | Midweek  |                         |              |                              |                       |                       |                       |
| 29 Jun 2024 | Weekend  |                         |              |                              | calm/rippled          | calm/rippled          |                       |
| 30 Jun 2024 | Weekend  |                         |              |                              |                       |                       | choppy                |
| 01 Jul 2024 | Weekend  |                         |              |                              |                       |                       | frequent<br>whitecaps |
| 02 Jul 2024 | Midweek  |                         |              |                              |                       |                       |                       |
| 03 Jul 2024 | Midweek  |                         |              |                              |                       |                       |                       |