

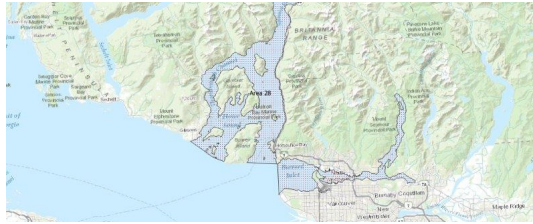
# FISHERIES AND OCEANS CANADA

## SOUTH COAST ASSESSMENT BULLETIN

### CREEL SURVEY DATA REVIEW PACKAGE

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## Area 28 September 2024



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*Prepared By:*  
South Coast Salmon Stock Assessment Section

Wednesday 13<sup>th</sup> November, 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 | Cates Park Boat Ramp |    | Gibson's Marina |    | McDonald Beach |    | Planetarium |    | Porteau Cove |    | Rocky Point Public Boat Launch |    | Sewell's East |    | Squamish Boat Launch |    | Thunderbird Marina |    |
|-------------|----------|----------------------|----|-----------------|----|----------------|----|-------------|----|--------------|----|--------------------------------|----|---------------|----|----------------------|----|--------------------|----|
|             |          | AM                   | PM | AM              | PM | AM             | PM | AM          | PM | AM           | PM | AM                             | PM | AM            | PM | AM                   | PM | AM                 | PM |
| 29 Aug 2024 | Midweek  |                      |    |                 |    |                |    |             |    |              |    |                                |    |               |    |                      |    |                    | 1  |
| 30 Aug 2024 | Midweek  |                      |    |                 |    |                |    |             |    |              |    |                                | 7  |               |    |                      |    |                    |    |
| 31 Aug 2024 | Weekend  | 2                    |    |                 | 7  |                |    |             |    |              |    |                                |    |               |    |                      |    |                    |    |
| 01 Sep 2024 | Weekend  |                      |    | 3               |    | 2              |    |             |    |              |    |                                |    |               |    | 3                    |    |                    |    |
| 02 Sep 2024 | Weekend  |                      |    |                 | 6  |                | 2  |             |    |              |    |                                |    |               |    |                      |    |                    |    |
| 03 Sep 2024 | Midweek  |                      |    |                 |    |                |    |             |    |              |    |                                |    |               |    |                      | 1  |                    | 1  |
| 04 Sep 2024 | Midweek  |                      |    |                 |    |                |    |             | 3  |              |    |                                |    |               |    |                      |    |                    |    |
| 05 Sep 2024 | Midweek  |                      |    |                 |    |                |    |             |    |              |    |                                |    |               |    |                      |    |                    |    |
| 06 Sep 2024 | Midweek  |                      |    |                 |    |                |    |             |    | 2            |    |                                |    |               |    |                      |    |                    |    |
| 07 Sep 2024 | Weekend  | 5                    |    |                 |    |                |    |             |    |              |    |                                |    | 1             |    |                      |    |                    |    |
| 08 Sep 2024 | Weekend  |                      |    |                 |    |                |    |             |    |              |    | 3                              |    |               |    |                      |    |                    |    |
| 09 Sep 2024 | Midweek  |                      |    |                 |    |                |    |             |    |              |    |                                |    |               |    |                      |    |                    |    |
| 10 Sep 2024 | Midweek  |                      |    |                 |    |                |    |             |    |              |    |                                |    | 2             |    | 4                    |    |                    |    |
| 11 Sep 2024 | Midweek  |                      |    |                 |    |                |    |             |    |              |    |                                |    |               |    | 1                    |    |                    |    |
| 12 Sep 2024 | Midweek  |                      |    |                 |    |                |    |             |    |              |    |                                |    |               |    |                      |    |                    |    |
| 13 Sep 2024 | Midweek  |                      |    |                 |    |                |    |             |    |              |    |                                |    |               |    |                      |    |                    |    |
| 14 Sep 2024 | Weekend  |                      |    |                 |    |                |    |             |    |              |    |                                | 3  |               |    |                      |    |                    |    |
| 15 Sep 2024 | Weekend  |                      |    |                 |    |                |    | 7           |    |              |    |                                |    |               |    |                      |    |                    | 1  |
| 16 Sep 2024 | Midweek  |                      |    |                 |    |                |    |             |    |              | 2  |                                |    |               |    |                      |    |                    |    |
| 17 Sep 2024 | Midweek  |                      |    |                 |    |                |    |             |    |              |    |                                |    |               |    |                      |    |                    |    |
| 18 Sep 2024 | Midweek  |                      |    | 1               |    |                |    |             |    |              |    | 1                              |    |               |    |                      |    |                    |    |
| 19 Sep 2024 | Midweek  |                      |    |                 |    |                |    |             |    |              |    |                                |    |               |    |                      |    |                    |    |
| 20 Sep 2024 | Midweek  |                      | 6  |                 |    |                |    |             |    |              |    |                                |    |               |    |                      |    |                    |    |
| 21 Sep 2024 | Weekend  |                      |    |                 |    |                |    |             |    |              | 4  |                                |    |               |    |                      |    |                    |    |
| 22 Sep 2024 | Weekend  |                      |    |                 |    |                |    |             | 6  |              |    |                                |    |               |    |                      | 2  |                    |    |
| 23 Sep 2024 | Midweek  |                      |    |                 |    |                |    |             |    |              |    |                                |    |               |    |                      |    |                    |    |
| 24 Sep 2024 | Midweek  |                      |    |                 |    |                |    | 1           |    |              |    |                                |    |               | 4  |                      |    |                    |    |
| 25 Sep 2024 | Midweek  |                      |    |                 |    |                |    |             |    |              |    |                                |    |               |    |                      |    |                    | 2  |
| 26 Sep 2024 | Midweek  |                      |    |                 |    |                |    |             |    |              |    |                                |    |               |    |                      |    |                    |    |
| 27 Sep 2024 | Midweek  |                      |    |                 |    |                |    |             |    |              |    |                                | 1  |               |    |                      |    |                    |    |
| 28 Sep 2024 | Weekend  |                      |    |                 |    |                |    |             |    |              |    |                                |    |               |    | 1                    |    |                    |    |
| 29 Sep 2024 | Weekend  |                      |    |                 |    |                |    |             | 1  |              |    |                                |    |               |    |                      |    | 1                  |    |
| 30 Sep 2024 | Midweek  |                      |    |                 |    |                |    |             |    | 1            |    |                                |    |               |    |                      |    |                    |    |
| 01 Oct 2024 | Midweek  |                      |    |                 |    |                |    |             |    |              |    |                                |    |               |    |                      |    |                    |    |
| 02 Oct 2024 | Midweek  |                      |    |                 |    |                |    |             |    |              |    |                                |    |               |    |                      |    |                    |    |
| 03 Oct 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-Aug-2024 | Thursday            | calm/rippled               | 1                      |         | 2    |         |         |                  |             |                  |
| 30-Aug-2024 | Friday              | choppy                     | 7                      | 2       | 1    |         |         |                  |             |                  |
| 31-Aug-2024 | Saturday            | calm/rippled               | 9                      | 1       | 3    |         |         | 38               | 1255        | 60               |
| 01-Sep-2024 | Sunday              | calm/rippled               | 8                      | 4       | 2    |         |         |                  |             |                  |
| 02-Sep-2024 | Monday (Labour Day) | choppy                     | 8                      | 2       | 1    |         |         | 26               | 1243        | 37               |
| 03-Sep-2024 | Tuesday             | calm/rippled               | 2                      |         |      |         |         |                  |             |                  |
| 04-Sep-2024 | Wednesday           | choppy                     | 3                      | 1       |      |         |         | 20               | 1234        | 28               |
| 05-Sep-2024 | Thursday            |                            | 0                      |         |      |         |         |                  |             |                  |
| 06-Sep-2024 | Friday              | calm/rippled               | 2                      |         |      |         |         |                  |             |                  |
| 07-Sep-2024 | Saturday            | calm/rippled               | 6                      | 1       |      |         |         |                  |             |                  |
| 08-Sep-2024 | Sunday              | calm/rippled               | 3                      |         |      |         |         | 77               | 1236        | 113              |
| 09-Sep-2024 | Monday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 10-Sep-2024 | Tuesday             | calm/rippled               | 6                      | 1       | 4    |         |         |                  |             |                  |
| 11-Sep-2024 | Wednesday           | calm/rippled               | 1                      |         |      |         |         |                  |             |                  |
| 12-Sep-2024 | Thursday            |                            | 0                      |         |      |         |         |                  |             |                  |
| 13-Sep-2024 | Friday              |                            | 0                      |         |      |         |         | 12               | 1236        | 16               |
| 14-Sep-2024 | Saturday            | choppy                     | 3                      | 1       | 2    |         |         | 19               | 1235        | 28               |
| 15-Sep-2024 | Sunday              | choppy                     | 8                      | 1       |      |         |         |                  |             |                  |
| 16-Sep-2024 | Monday              | calm/rippled               | 2                      |         |      |         |         | 18               | 1233        | 26               |
| 17-Sep-2024 | Tuesday             |                            | 0                      |         |      |         |         |                  |             |                  |
| 18-Sep-2024 | Wednesday           | calm/rippled               | 2                      |         |      |         |         |                  |             |                  |
| 19-Sep-2024 | Thursday            |                            | 0                      |         |      |         |         |                  |             |                  |
| 20-Sep-2024 | Friday              | choppy                     | 6                      | 1       |      |         |         |                  |             |                  |
| 21-Sep-2024 | Saturday            | choppy                     | 4                      |         |      |         |         |                  |             |                  |
| 22-Sep-2024 | Sunday              | calm/rippled               | 8                      |         |      |         |         | 23               | 1224        | 33               |
| 23-Sep-2024 | Monday              |                            | 0                      |         |      |         |         |                  |             |                  |
| 24-Sep-2024 | Tuesday             | calm/rippled               | 5                      | 1       |      |         |         | 21               | 1241        | 31               |
| 25-Sep-2024 | Wednesday           | choppy                     | 2                      |         |      |         |         |                  |             |                  |
| 26-Sep-2024 | Thursday            |                            | 0                      |         |      |         |         |                  |             |                  |
| 27-Sep-2024 | Friday              | calm/rippled               | 1                      |         |      |         |         |                  |             |                  |
| 28-Sep-2024 | Saturday            | calm/rippled               | 1                      |         |      |         |         |                  |             |                  |
| 29-Sep-2024 | Sunday              | frequent whitecaps         | 2                      |         |      |         |         |                  |             |                  |
| 30-Sep-2024 | Monday              | choppy                     | 1                      |         |      |         |         |                  |             |                  |
| 01-Oct-2024 | Tuesday             |                            | 0                      |         |      |         |         |                  |             |                  |
| 02-Oct-2024 | Wednesday           |                            | 0                      |         |      |         |         |                  |             |                  |
| 03-Oct-2024 | Thursday            |                            | 0                      |         |      |         |         |                  |             |                  |
|             | Totals              | calm/rippled               | 33                     | 4       | 4    |         |         | 18*              |             | 25*              |
|             | Totals              | choppy                     | 51                     | 9       | 5    |         |         | 36*              |             | 53*              |

\* 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  | 25                     | 20             | 500                    | 0.121   | 0.121 |         |         | 61       | 61   |         |         |
| Weekend  | 53                     | 10             | 530                    | 0.176   | 0.098 |         |         | 93       | 52   |         |         |

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

| Year     | Month     | Total Effort | Chinook Kept | Coho Kept | Sockeye Kept | Halibut Kept |
|----------|-----------|--------------|--------------|-----------|--------------|--------------|
| 2019     | September | 1132         | 198          | 190       |              | 0            |
| 2020     | September | 2213         | 326          | 399       |              | 0            |
| 2021     | September | 1545         | 691          | 572       |              | 0            |
| 2022     | September | 2922         | 1499         | 706       |              | 0            |
| 2023     | September | 2236         | 1979         | 386       |              | 0            |
| 2024     | September | 1105         | 343          | 214       | 0            | 0            |
| 5-Yr Avg | September | 2010         | 939          | 451       |              | 0            |

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 | 84                       | 6%                |
| iRec Anglers     | 1864                     | 27%               |

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

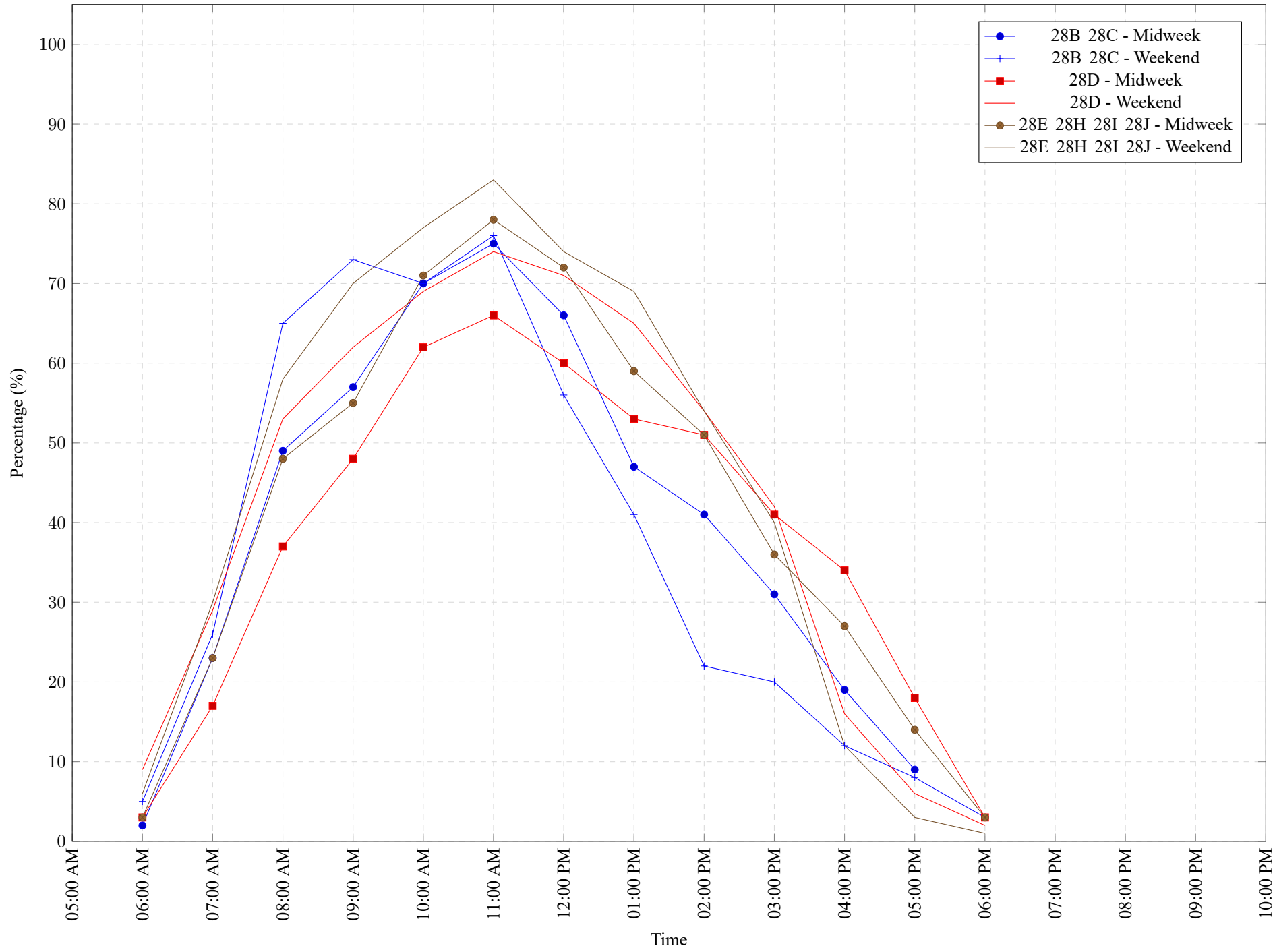


Table 7: Proportion of each day's fishing by hour.

| 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    |
| 28B 28C         | Midweek  | 2%   | 23%  | 49%  | 57%  | 70%   | 75%   | 66%   | 47%   | 41%   | 31%   | 19%   | 9%    | 0%    | 0%    | 0%    | 0%    | 0%    |
| 28B 28C         | Weekend  | 5%   | 26%  | 65%  | 73%  | 70%   | 76%   | 56%   | 41%   | 22%   | 20%   | 12%   | 8%    | 3%    | 0%    | 0%    | 0%    | 0%    |
| 28D             | Midweek  | 3%   | 17%  | 37%  | 48%  | 62%   | 66%   | 60%   | 53%   | 51%   | 41%   | 34%   | 18%   | 3%    | 0%    | 0%    | 0%    | 0%    |
| 28D             | Weekend  | 9%   | 29%  | 53%  | 62%  | 69%   | 74%   | 71%   | 65%   | 54%   | 42%   | 16%   | 6%    | 2%    | 0%    | 0%    | 0%    | 0%    |
| 28E 28H 28I 28J | Midweek  | 3%   | 23%  | 48%  | 55%  | 71%   | 78%   | 72%   | 59%   | 51%   | 36%   | 27%   | 14%   | 3%    | 0%    | 0%    | 0%    | 0%    |
| 28E 28H 28I 28J | Weekend  | 6%   | 30%  | 58%  | 70%  | 77%   | 83%   | 74%   | 69%   | 54%   | 40%   | 12%   | 3%    | 1%    | 0%    | 0%    | 0%    | 0%    |

**Table 8: Daily Fishing Conditions.**

| Date        | Day Type | Cates Park<br>Boat Ramp | Gibson's<br>Marina | McDonald<br>Beach | Planetarium | Porteau<br>Cove       | Rocky Point<br>Public Boat<br>Launch | Sewell's<br>East | Squamish<br>Boat Launch | Thunderbird<br>Marina |                       |  |  |  |  |  |  |
|-------------|----------|-------------------------|--------------------|-------------------|-------------|-----------------------|--------------------------------------|------------------|-------------------------|-----------------------|-----------------------|--|--|--|--|--|--|
| 29 Aug 2024 | Midweek  | calm/rippled            | calm/rippled       | choppy            |             |                       | choppy                               |                  |                         | calm/rippled          |                       |  |  |  |  |  |  |
| 30 Aug 2024 | Midweek  |                         |                    |                   |             |                       |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 31 Aug 2024 | Weekend  |                         |                    |                   |             |                       |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 01 Sep 2024 | Weekend  |                         | calm/rippled       | choppy            |             |                       |                                      |                  | calm/rippled            |                       |                       |  |  |  |  |  |  |
| 02 Sep 2024 | Weekend  |                         | choppy             | calm/rippled      |             |                       |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 03 Sep 2024 | Midweek  |                         |                    |                   |             |                       |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 04 Sep 2024 | Midweek  |                         |                    |                   |             | choppy                |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 05 Sep 2024 | Midweek  |                         |                    |                   |             |                       |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 06 Sep 2024 | Midweek  |                         |                    |                   |             | calm/rippled          |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 07 Sep 2024 | Weekend  | calm/rippled            |                    |                   |             |                       | calm/rippled                         | choppy           |                         |                       |                       |  |  |  |  |  |  |
| 08 Sep 2024 | Weekend  |                         |                    |                   |             |                       |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 09 Sep 2024 | Midweek  |                         |                    |                   |             |                       |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 10 Sep 2024 | Midweek  |                         |                    |                   |             |                       |                                      | calm/rippled     | calm/rippled            |                       |                       |  |  |  |  |  |  |
| 11 Sep 2024 | Midweek  |                         |                    |                   |             |                       |                                      |                  | calm/rippled            |                       |                       |  |  |  |  |  |  |
| 12 Sep 2024 | Midweek  |                         |                    |                   |             |                       |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 13 Sep 2024 | Midweek  |                         |                    |                   |             |                       |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 14 Sep 2024 | Weekend  |                         |                    |                   |             |                       |                                      | choppy           |                         |                       |                       |  |  |  |  |  |  |
| 15 Sep 2024 | Weekend  |                         |                    |                   |             | choppy                |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 16 Sep 2024 | Midweek  |                         |                    |                   |             | calm/rippled          |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 17 Sep 2024 | Midweek  |                         |                    |                   |             |                       |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 18 Sep 2024 | Midweek  |                         |                    |                   |             | choppy                |                                      |                  | calm/rippled            |                       |                       |  |  |  |  |  |  |
| 19 Sep 2024 | Midweek  |                         |                    |                   |             |                       |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 20 Sep 2024 | Midweek  | choppy                  |                    |                   |             |                       |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 21 Sep 2024 | Weekend  |                         |                    |                   |             | choppy                |                                      |                  | choppy                  |                       |                       |  |  |  |  |  |  |
| 22 Sep 2024 | Weekend  |                         |                    |                   |             | choppy                |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 23 Sep 2024 | Midweek  |                         |                    |                   |             |                       |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 24 Sep 2024 | Midweek  |                         |                    |                   |             | calm/rippled          |                                      |                  | calm/rippled            |                       |                       |  |  |  |  |  |  |
| 25 Sep 2024 | Midweek  |                         |                    |                   |             |                       |                                      |                  |                         | choppy                |                       |  |  |  |  |  |  |
| 26 Sep 2024 | Midweek  |                         |                    |                   |             |                       |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 27 Sep 2024 | Midweek  |                         |                    |                   |             |                       |                                      | calm/rippled     |                         |                       |                       |  |  |  |  |  |  |
| 28 Sep 2024 | Weekend  |                         |                    |                   |             |                       |                                      |                  |                         | calm/rippled          | frequent<br>whitecaps |  |  |  |  |  |  |
| 29 Sep 2024 | Weekend  |                         |                    |                   |             | frequent<br>whitecaps |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 30 Sep 2024 | Midweek  |                         |                    |                   |             | choppy                |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 01 Oct 2024 | Midweek  |                         |                    |                   |             |                       |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 02 Oct 2024 | Midweek  |                         |                    |                   |             |                       |                                      |                  |                         |                       |                       |  |  |  |  |  |  |
| 03 Oct 2024 | Midweek  |                         |                    |                   |             |                       |                                      |                  |                         |                       |                       |  |  |  |  |  |  |