

# RESERVOIR REPORT

WISCONSIN VALLEY IMPROVEMENT COMPANY

FOR WEEK ENDING 06-Aug-2023

| Name                             | Capacity in Millions of Cubic Feet |        | Water Elevation | Millions of Cubic Feet |      |      | Gates (Inches)<br>G:=Gate O:=Overflow |
|----------------------------------|------------------------------------|--------|-----------------|------------------------|------|------|---------------------------------------|
|                                  | Winter                             | Summer |                 | In Res                 | Gain | Loss |                                       |
| Lac Vieux Desert                 | 652                                | 652    | 1,680.47        | 218                    | 2    |      | 1.0                                   |
| Twin Lakes                       | 313                                | 261    | 1,682.40        | 286                    |      | 8    | 1.0                                   |
| Buckatabon                       | 130                                | 130    | 1,641.22        | 116                    |      |      | 2.0                                   |
| Long-On-Deerskin                 | 400                                | 332    | 1,697.62        | 187                    |      | 14   | 2.0                                   |
| Little Deerskin                  | 22                                 | 22     | 1,641.86        | 18                     |      | 1    | 1.0                                   |
| Seven Mile                       | 93                                 | 93     | 1,649.46        | 77                     |      | 2    | 1.0                                   |
| Lower Nine Mile                  | 121                                | 121    | 1,643.55        | 114                    |      |      | 1.0                                   |
| Burnt Rollways                   | 779                                | 471    | 1,625.46        | 695                    |      | 13   | 1.0                                   |
| Sugar Camp                       | 471                                | 180    | 1,597.16        | 406                    |      | 9    | 1.0                                   |
| Little St. Germain               | 79                                 | 79     | 1,613.75        | 73                     |      | 4    | 1.0                                   |
| Big St. Germain                  | 202                                | 91     | 1,590.55        | 161                    |      | 4    | 19.0                                  |
| Pickernel                        | 337                                | 92     | 1,590.08        | 277                    |      | 4    | 4.0                                   |
| Rainbow                          | 2,185                              | 2,185  | 1,589.52        | 975                    |      | 210  | 20.0                                  |
| North Pelican                    | 218                                | 0      | 1,569.00        | 133                    |      | 6    | 1.0, 2.0                              |
| South Pelican                    | 305                                | 77     | 1,591.54        | 237                    |      | 12   | 1.0                                   |
| Minocqua                         | 628                                | 283    | 1,584.55        | 485                    |      | 8    | 2.0                                   |
| Squirrel                         | 182                                | 165    | 1,564.74        | 167                    |      | 3    | 1.5                                   |
| Willow                           | 3,302                              | 3,302  | 1,522.33        | 1,470                  |      | 155  | 15.0                                  |
| Rice                             | 1,808                              | 1,808  | 1,460.54        | 1,302                  | 61   |      | 11.0, 8.0                             |
| Spirit                           | 756                                | 756    | 1,433.00        | 373                    |      | 12   | 1.0                                   |
| Total Upper System               | 12,983                             | 11,100 |                 | 7,765                  | 63   | 465  |                                       |
| Net Storage Change Upper System  |                                    |        |                 |                        |      | 402  |                                       |
| Percent in Storage Upper System  |                                    |        |                 | 59.81                  |      |      |                                       |
| Big Eau Pleine                   | 4,457                              | 4,457  | 1,142.10        | 3,481                  |      | 104  | 3.0                                   |
| Total Entire System              | 17,440                             | 15,557 |                 | 11,246                 | 63   | 569  |                                       |
| Net Storage Change Entire System |                                    |        |                 |                        |      | 506  |                                       |
| Percent in Storage Entire System |                                    |        |                 | 64.48                  |      |      |                                       |

| Year | Millions of Cubic Feet in Storage |               |
|------|-----------------------------------|---------------|
|      | Upper System                      | Entire System |
| 2014 | 9,342                             | 13,035        |
| 2015 | 8,438                             | 12,017        |
| 2016 | 10,533                            | 14,870        |
| 2017 | 10,463                            | 14,227        |
| 2018 | 9,351                             | 12,757        |
| 2019 | 10,637                            | 14,890        |
| 2020 | 11,282                            | 15,493        |
| 2021 | 10,055                            | 14,317        |
| 2022 | 8,398                             | 11,974        |
| 2023 | 7,765                             | 11,246        |

| Weekly Average Flow Analysis |         |          |             |          |
|------------------------------|---------|----------|-------------|----------|
| Item                         | Merrill |          | Wis. Rapids |          |
|                              | MCF     | Avg. CFS | MCF         | Avg. CFS |
| Gain In Storage              |         |          |             |          |
| Loss In Storage              | 402     | 665      | 506         | 837      |
| Regulated Flow               |         | 1,408    |             | 2,720    |
| Net Used Release             | 402     | 665      | 506         | 837      |
| Natural Flow                 |         | 743      |             | 1,883    |

PROVISIONAL DATA SUBJECT TO REVISION

REPORT CREATED:08/11/2023 11:49

| Authorized Reservoir Water Level Limits |         |                  |         |                 |               |                  |         |                 |                 |
|---|---------|------------------|---------|-----------------|---------------|------------------|---------|-----------------|-----------------|
| Reservoir                               | Winter  |                  | Summer  |                 | Reservoir     | Winter           |         | Summer          |                 |
|   | Maximum | Minimum          | Maximum | Minimum         |               | Maximum          | Minimum | Maximum         | Minimum         |
| Lac Vieux Desert                        | 1680.73 | 1679.36          | 1680.73 | 1679.36         | Pickerel      | 1590.34          | 1581.34 | 1590.34         | 1589.34         |
| Twin Lakes                              | 1682.57 | 1680.57          | 1682.57 | 1680.91         |               | Sep 16 to May 31 |         |                 | Jun 1 to Sep 15 |
|   |         | Oct 1 to May 31  |         | Jun 1 to Sep 30 | Rainbow       | 1597.05          | 1575.05 | 1597.05         | 1575.05         |
| Buckatahpon                             | 1641.52 | 1638.35          | 1641.52 | 1638.35         | North Pelican | 1569.60          | 1566.60 | 1569.10         | 1568.77         |
| Long-on-Deerskin                        | 1698.43 | 1695.84          | 1698.43 | 1696.51         |               | Sep 16 to May 31 |         |                 | Jun 1 to Sep 15 |
|   |         | Oct 1 to May 31  |         | Jun 1 to Sep 30 | South Pelican | 1591.98          | 1589.98 | 1591.98         | 1591.48         |
| Little Deerskin                         | 1642.16 | 1640.49          | 1642.16 | 1640.49         |               | Nov 1 to Mar 31  |         | Apr 1 to Oct 31 |                 |
| Seven Mile                              | 1650.14 | 1645.81          | 1650.14 | 1645.81         | Minocqua      | 1585.05          | 1582.72 | 1585.05         | 1584.05         |
| Lower Nine Mile                         | 1643.76 | 1639.18          | 1643.76 | 1639.18         |               | Oct 1 to May 31  |         |                 | Jun 1 to Sep 30 |
| Burnt Rollways                          | 1625.71 | 1622.96          | 1625.71 | 1624.21         | Squirrel      | 1564.93          | 1562.51 | 1564.93         | 1562.76         |
|   |         | Nov 1 to Apr 30  |         | May 1 to Oct 31 |               | Oct 1 to May 31  |         |                 | Jun 1 to Sep 30 |
| Sugar Camp                              | 1597.82 | 1592.32          | 1597.32 | 1595.32         | Willow        | 1529.35          | 1510.85 | 1529.35         | 1510.85         |
|   |         | Sep 16 to May 31 |         | Jun 1 to Sep 15 | Rice          | 1463.25          | 1450.00 | 1463.25         | 1450.00         |
| Little St. Germain                      | 1613.88 | 1612.05          | 1613.88 | 1612.05         | Spirit        | 1437.88          | 1424.88 | 1437.88         | 1424.88         |
| Big St. Germain                         | 1591.16 | 1588.16          | 1590.66 | 1589.33         | Eau Pleine    | 1145.43          | 1125.00 | 1145.43         | 1125.00         |
|   |         | Sep 16 to May 31 |         | Jun 1 to Sep 15 |               |                  |         |                 |                 |