

# RESERVOIR REPORT

WISCONSIN VALLEY IMPROVEMENT COMPANY

FOR WEEK ENDING 04-Jun-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    | 1,680.67        | 258                    |      | 4    | 1.0                                   |
| Twin Lakes                       | 313                                | 261    | 1,682.42        | 289                    |      |      | 3.0                                   |
| Buckatabon                       | 130                                | 130    | 1,641.23        | 117                    | 3    |      | 4.0                                   |
| Long-On-Deerskin                 | 400                                | 332    | 1,698.16        | 247                    |      | 1    | 2.0                                   |
| Little Deerskin                  | 22                                 | 22     | 1,641.98        | 20                     | 1    |      | 1.0                                   |
| Seven Mile                       | 93                                 | 93     | 1,649.76        | 84                     |      | 1    | 1.0                                   |
| Lower Nine Mile                  | 121                                | 121    | 1,643.52        | 113                    |      | 2    | 12.0                                  |
| Burnt Rollways                   | 779                                | 471    | 1,625.60        | 742                    | 20   |      | 10.0                                  |
| Sugar Camp                       | 471                                | 180    | 1,597.14        | 405                    |      | 19   | 6.0                                   |
| Little St. Germain               | 79                                 | 79     | 1,613.88        | 79                     | 6    |      | 9.0                                   |
| Big St. Germain                  | 202                                | 91     | 1,590.59        | 164                    | 5    |      | 20.0, 16.0                            |
| Pickerel                         | 337                                | 92     | 1,590.19        | 283                    | 6    |      | 12.0, 5.0                             |
| Rainbow                          | 2,185                              | 2,185  | 1,595.58        | 1,909                  |      | 36   | 14.0                                  |
| North Pelican                    | 218                                | 0      | 1,569.04        | 135                    |      | 2    | 3.0                                   |
| South Pelican                    | 305                                | 77     | 1,591.84        | 283                    | 9    |      | 6.0                                   |
| Minocqua                         | 628                                | 283    | 1,584.55        | 485                    |      |      | 2.0                                   |
| Squirrel                         | 182                                | 165    | 1,564.80        | 172                    | 2    |      | 3.5                                   |
| Willow                           | 3,302                              | 3,302  | 1,528.39        | 3,011                  |      | 112  | 15.0                                  |
| Rice                             | 1,808                              | 1,808  | 1,462.00        | 1,570                  |      | 49   | 12.0, 9.0                             |
| Spirit                           | 756                                | 756    | 1,437.00        | 677                    |      | 51   | 4.0                                   |
| Total Upper System               | 12,983                             | 11,100 |                 | 11,036                 | 52   | 277  |                                       |
| Net Storage Change Upper System  |                                    |        |                 |                        |      | 225  |                                       |
| Percent in Storage Upper System  |                                    |        |                 | 85.00                  |      |      |                                       |
| Big Eau Pleine                   | 4,457                              | 4,457  | 1,144.62        | 4,214                  |      | 6    | 1.0                                   |
| Total Entire System              | 17,440                             | 15,557 |                 | 15,250                 | 52   | 283  |                                       |
| Net Storage Change Entire System |                                    |        |                 |                        |      | 231  |                                       |
| Percent in Storage Entire System |                                    |        |                 | 87.44                  |      |      |                                       |

| Year | Millions of Cubic Feet in Storage |               |
|------|-----------------------------------|---------------|
|      | Upper System                      | Entire System |
| 2014 | 11,390                            | 15,721        |
| 2015 | 11,383                            | 15,735        |
| 2016 | 11,183                            | 15,580        |
| 2017 | 11,104                            | 15,408        |
| 2018 | 10,685                            | 14,944        |
| 2019 | 11,359                            | 15,759        |
| 2020 | 11,261                            | 15,508        |
| 2021 | 11,218                            | 14,984        |
| 2022 | 11,378                            | 15,655        |
| 2023 | 11,036                            | 15,250        |

| Weekly Average Flow Analysis |         |          |             |          |
|------------------------------|---------|----------|-------------|----------|
| Item                         | Merrill |          | Wis. Rapids |          |
|                              | MCF     | Avg. CFS | MCF         | Avg. CFS |
| Gain In Storage              |         |          |             |          |
| Loss In Storage              | 225     | 372      | 231         | 382      |
| Regulated Flow               |         | 1,918    |             | 2,904    |
| Net Used Release             | 225     | 372      | 231         | 382      |
| Natural Flow                 |         | 1,546    |             | 2,522    |

PROVISIONAL DATA SUBJECT TO REVISION

REPORT CREATED:06/16/2023 12:20

### 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 |
| Buckatahpon        | 1641.52 | 1638.35 | 1641.52 | 1638.35 | Rainbow       | 1597.05          | 1575.05 | 1597.05 | 1575.05         |
| Long-on-Deerskin   | 1698.43 | 1695.84 | 1698.43 | 1696.51 | North Pelican | 1569.60          | 1566.60 | 1569.10 | 1568.77         |
| Little Deerskin    | 1642.16 | 1640.49 | 1642.16 | 1640.49 |               | Sep 16 to May 31 |         |         | Jun 1 to Sep 15 |
| Seven Mile         | 1650.14 | 1645.81 | 1650.14 | 1645.81 | South Pelican | 1591.98          | 1589.98 | 1591.98 | 1591.48         |
| Lower Nine Mile    | 1643.76 | 1639.18 | 1643.76 | 1639.18 | Minocqua      | 1585.05          | 1582.72 | 1585.05 | 1584.05         |
| Burnt Rollways     | 1625.71 | 1622.96 | 1625.71 | 1624.21 | Squirrel      | 1564.93          | 1562.51 | 1564.93 | 1562.76         |
| Sugar Camp         | 1597.82 | 1592.32 | 1597.32 | 1595.32 |               | Oct 1 to May 31  |         |         | Jun 1 to Sep 30 |
| Little St. Germain | 1613.88 | 1612.05 | 1613.88 | 1612.05 | Willow        | 1529.35          | 1510.85 | 1529.35 | 1510.85         |
| Big St. Germain    | 1591.16 | 1588.16 | 1590.66 | 1589.33 | Rice          | 1463.25          | 1450.00 | 1463.25 | 1450.00         |
|                    |         |         |         |         | Spirit        | 1437.88          | 1424.88 | 1437.88 | 1424.88         |
|                    |         |         |         |         | Eau Pleine    | 1145.43          | 1125.00 | 1145.43 | 1125.00         |