

# RESERVOIR REPORT

WISCONSIN VALLEY IMPROVEMENT COMPANY

FOR WEEK ENDING

30-MAR-2014

| 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          | 1679.64         | 54                     |           | 5          | G: 12.0, O: 0.0                        |
| TWIN LAKES                              | 313                                | 261          | 1680.84         | 42                     |           | 3          | 5.0                                    |
| BUCKATAPON                              | 130                                | 130          | 1638.58         | 8                      |           | 0          | 5.0                                    |
| LONG-ON-DEERSKIN                        | 400                                | 332          | 1696.12         | 28                     | 4         |            | 2.0                                    |
| LITTLE DEERSKIN                         | 22                                 | 22           | 1641.65         | 15                     | 1         |            | 1.0                                    |
| SEVEN MILE                              | 93                                 | 93           | 1647.50         | 34                     |           | 1          | 1.0                                    |
| LOWER NINE MILE                         | 121                                | 121          | 1639.60         | 6                      | 1         |            | 6.0                                    |
| BURNT ROLLWAYS                          | 779                                | 471          | 1623.75         | 187                    |           | 63         | 13.0                                   |
| SUGAR CAMP                              | 471                                | 180          | 1593.98         | 129                    |           | 6          | 12.0                                   |
| LITTLE ST. GERMAIN                      | 79                                 | 79           | 1612.53         | 20                     |           | 0          | 3.0                                    |
| BIG ST. GERMAIN                         | 202                                | 91           | 1589.06         | 59                     |           | 5          | 18.0                                   |
| PICKEREL                                | 337                                | 92           | 1587.01         | 153                    |           | 2          | 18.0                                   |
| RAINBOW                                 | 2185                               | 2185         | 1588.25         | 825                    |           | 89         | 24.0                                   |
| NORTH PELICAN                           | 218                                | 0            | 1567.04         | 24                     | 24        |            | CLEAR, CLEAR, CLEAR                    |
| SOUTH PELICAN                           | 305                                | 77           | 1590.84         | 130                    |           | 9          | 18.0                                   |
| MINOCQUA                                | 628                                | 283          | 1583.48         | 192                    |           | 0          | 4.0                                    |
| SQUIRREL                                | 182                                | 165          | 1562.95         | 30                     |           | 5          | 6.5                                    |
| WILLOW                                  | 3302                               | 3302         | 1520.81         | 1157                   |           | 51         | 27.0                                   |
| RICE                                    | 1808                               | 1808         | 1456.02         | 564                    |           | 94         | 29.0                                   |
| SPIRIT                                  | 756                                | 756          | 1428.34         | 144                    |           | 19         | 2.0                                    |
| <b>TOTAL UPPER SYSTEM</b>               | <b>12983</b>                       | <b>11100</b> |                 | <b>3801</b>            | <b>30</b> | <b>352</b> |  |
| <b>NET STORAGE CHANGE UPPER SYSTEM</b>  |                                    |              |                 |                        |           | <b>322</b> |  |
| <b>PERCENT IN STORAGE UPPER SYSTEM</b>  |                                    |              |                 | <b>29.28</b>           |           |            |  |
| <b>BIG EAU PLEINE</b>                   | <b>4457</b>                        | <b>4457</b>  | <b>1133.75</b>  | <b>1632</b>            |           | <b>178</b> | <b>6.0</b>                             |
| <b>TOTAL ENTIRE SYSTEM</b>              | <b>17440</b>                       | <b>15557</b> |                 | <b>5433</b>            | <b>30</b> | <b>530</b> |  |
| <b>NET STORAGE CHANGE ENTIRE SYSTEM</b> |                                    |              |                 |                        |           | <b>500</b> |  |
| <b>PERCENT IN STORAGE ENTIRE SYSTEM</b> |                                    |              |                 | <b>31.15</b>           |           |            |  |

| YEAR | MILLIONS OF CUBIC FEET IN STORAGE |               | ITEM               | WEEKLY AVERAGE FLOW ANALYSIS |          |             |         |
|------|-----------------------------------|---------------|--------------------|------------------------------|----------|-------------|---------|
|      | UPPER SYSTEM                      | ENTIRE SYSTEM |                    | MERRILL                      |          | WIS. RAPIDS |         |
|      |                                   |               |                    | MCF                          | AVE. CFS | MCF         | AVE.CFS |
| 2005 | 2359                              | 3736          | GAIN IN STORAGE    |                              |          |             |         |
| 2006 | 4382                              | 7197          | LOSS IN STORAGE    | 322                          | 532      | 500         | 826     |
| 2007 | 5589                              | 9389          | EVAPORATION LOSS   |                              |          |             |         |
| 2008 | 2185                              | 3345          | REGULATED FLOW     |                              | 1988     |             | 3111    |
| 2009 | 3573                              | 6383          | NET USED RELEASE   | 322                          | 532      | 500         | 826     |
| 2010 | 4431                              | 7952          | NATURAL FLOW       |                              | 1456     |             | 2285    |
| 2011 | 4695                              | 8168          |                    |                              |          |             |         |
| 2012 | 7179                              | 10962         |                    |                              |          |             |         |
| 2013 | 3259                              | 5067          | GROUNDWATER INDEX  |                              | CURRENT  | NORMAL      | 8.79    |
| 2014 | 3801                              | 5433          | WEEK'S EVAPORATION |                              |          |             |         |

| AVERAGE PRECIPITATION THIS WEEK IN INCHES OF WATER |             |                      |                                 |                     |           |
|--|-------------|----------------------|---------------------------------|---------------------|-----------|
| AREA   | WEEK'S AVE. | YEAR'S TOTAL TO DATE | NORMAL TO DATE PERIOD OF RECORD | - SHORTAGE +SURPLUS |           |
| UPPER SYSTEM                                       | 0.21        | 2.72                 | 3.65                            | -0.93               | LAST YEAR |
|  | 0.27        | 2.30                 | 3.65                            | -1.35               | THIS YEAR |
| LOWER SYSTEM                                       | 0.13        | 3.72                 | 3.75                            | -0.03               | LAST YEAR |
|  | 0.47        | 2.82                 | 3.75                            | -0.93               | THIS YEAR |
| ENTIRE SYSTEM                                      | 0.16        | 3.26                 | 3.69                            | -0.43               | LAST YEAR |
|  | 0.38        | 2.59                 | 3.69                            | -1.10               | THIS YEAR |

### 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 | Nov 1 to Mar 31 |                  | Apr 1 to Oct 31 |                 |         |
| Burnt Rollways     | 1625.71 | 1622.96 | 1625.71 | 1624.21 | Minocqua        | 1585.05          | 1582.72         | 1585.05         | 1584.05 |
| 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 | Squirrel        | 1564.93          | 1562.51         | 1564.93         | 1562.76 |
| Big St. Germain    | 1591.16 | 1588.16 | 1590.66 | 1589.33 | Oct 1 to May 31 |                  | Jun 1 to Sep 30 |                 |         |
|                    | 1613.88 | 1612.05 | 1613.88 | 1612.05 | Willow          | 1529.35          | 1510.85         | 1529.35         | 1510.85 |
|                    | 1591.16 | 1588.16 | 1590.66 | 1589.33 | Rice            | 1463.25          | 1450.00         | 1463.25         | 1450.00 |
|                    | 1591.16 | 1588.16 | 1590.66 | 1589.33 | Spirit          | 1437.88          | 1420.88         | 1437.88         | 1420.88 |
|                    | 1591.16 | 1588.16 | 1590.66 | 1589.33 | Eau Pleine      | 1145.43          | 1118.00         | 1145.43         | 1118.00 |
|                    | 1591.16 | 1588.16 | 1590.66 | 1589.33 |                 |                  |                 |                 |         |