

## April 1, 2023: LIP Stage -1 Normal

High Rock HWEL = NME plus 2.1 = 622.0 USGS Datum (NGVD29), 653.1 YAD

Current 3-mo rolling avg. inflows = 6,619 cfs

|            | USGS Gage                                    |   |  |  |
|------------|--|---|--|--|
|            | Yadkin River at<br>Yadkin College<br>2116500 | South Yadkin<br>River Mocksville<br>2118000 | Abbotts Creek at<br>Lexington<br>2121500 | Rocky River near<br>Norwood<br>2126000 |
| January    | 3371   | 534   | 376                                      | 2738                                   |
| February   | 3933   | 522   | 292                                      | 2872                                   |
| March      | 3384   | 423   | 174                                      | 1238                                   |
| 3 mo. avg. | 3563   | 493   | 281                                      | 2283                                   |

Hist. 3-mo rolling average inflows = 7,700 cfs (Inflow Ratio = 0.86)

Drought Index Ratio =  $(0+1+2)/3$  = -0.67

Last Month LIP Stage = Stage -1

### **Evaluation Criteria for LIP Stage Implementation:**

The LIP *must* be implemented beginning at Stage 0 and, if the combination of conditions becomes more severe, the Stages *must* increase in one Stage increments.

- Stage 0: High Rock HWEL < NME minus 0.5 **NO**  
**OR** High Rock HWEL < NME minus 0 **AND** US Drought Monitor => 0 **NO**  
**OR** High Rock HWEL < NME minus 0 **AND** Average Inflow < 0.48 **NO**
- Stage 1: High Rock HWEL < NME minus 1 **AND** US Drought Monitor => 1 **NO**  
**OR** High Rock HWEL < NME minus 1 **AND** Average Inflow < 0.41 **NO**
- Stage 2: High Rock HWEL < NME minus 2 **AND** US Drought Monitor => 2 **NO**  
**OR** High Rock HWEL < NME minus 2 **AND** Average Inflow < 0.35 **NO**
- Stage 3: High Rock HWEL < NME minus 3 **AND** US Drought Monitor => 3 **NO**  
**OR** High Rock HWEL < NME minus 3 **AND** Average Inflow < 0.30 **NO**
- Stage 4: High Rock HWEL <  $\frac{1}{2}$  of NME minus CRWE **AND** US Drought Monitor => 4 **NO**  
**OR** High Rock HWEL <  $\frac{1}{2}$  of NME minus CRWE **AND** Average Inflow < 0.30 **NO**

### **Evaluation Criteria for Recovery (If Previous LIP Stage $\neq$ Stage -1)**

Recovery from this LIP will be triggered by any of the three following conditions:

- Condition 1: If all three triggers associated with a lower numbered LIP Stage are met on the first of the month, the LIP recovery will be a general reversal of the staged approach on the first of each month.  
**OR**
- Condition 2: If High Rock Reservoir water elevations return to at or above the NME PLUS 2.5 ft, the LIP will be discontinued immediately.  
**OR**
- Condition 3: If High Rock Reservoir water elevations return to at or above the NME for 2 consecutive weeks, the LIP will be discontinued immediately.