

## March 1, 2018: LIP Stage -1 Normal

High Rock HWEL = NME plus 8.3  
= 622.2 USGS Datum (NGVD 29), 653.3 YAD

Current 3-mo rolling avg. inflows = 3,855 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 |
| December   | 1429   | 163   | 32                                       | 238                                    |
| January    | 1870   | 201   | 85                                       | 801                                    |
| February   | 4657   | 542   | 225                                      | 1325                                   |
| 3 mo. avg. | 2652   | 302   | 114                                      | 788                                    |

Hist 3-mo rolling average inflows = 6,250 cfs (Inflow Ratio = 0.62)

Drought Index Ratio =  $(1+1+0)/3$  = 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 < NME minus 4 **AND** US Drought Monitor => 4 **NO**  
**OR** High Rock HWEL < NME minus 4 **AND** Average Inflow < 0.30 **NO**

### **Evaluation Criteria for Recovery (If Previous LIP Stage ≠ 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.