

# Lehigh County Authority Water Supply Report

|       |            |
|-------|------------|
| Date: | 10/16/2024 |
|-------|------------|

| Monitoring Point                          | Measurement  | Drought Declaration Trigger Points |               |                 |                   | Current Conditions |
|---|--|------------------------------------|---------------|-----------------|-------------------|--------------------|
|   |  | Normal Conditions                  | Stage 1 Watch | Stage 2 Warning | Stage 3 Emergency |                    |
| Upper Macungie Park Quarry                | Feet above sea level ( <i>lower measure = lower water level</i> )        | > 404                              | 404           | 396             | 392               | 420                |
| Lower Macungie Monitoring Well            | Feet below casing top ( <i>higher measure = lower water level</i> )      | < 39                               | 39            | 40              | 41                | 38.42              |
| Little Lehigh Creek at USGS Gage-10th St. | Cubic feet per second (cfs) ( <i>lower measure = lower stream flow</i> ) | > 64                               | 64            | 54              | 46                | 44.7               |

as of 10/11  
as of 10/16  
as of 10/16

|                                    |                   |
|------------------------------------|-------------------|
| LCA Water Supply Status            | Normal Conditions |
| DEP Drought Status (Lehigh County) | Normal Conditions |
| LCA Drought Status                 | Normal Conditions |

### Stage 1 - Drought Watch

All three monitoring points are at Stage 1 levels

- OR -

Drought Watch declared by Commonwealth of Pennsylvania or the Delaware River Basin Commission

### Stage 2 - Drought Warning

All three monitoring points are at Stage 2 levels

- OR -

Drought Warning declared by Commonwealth of Pennsylvania or the Delaware River Basin Commission

### Stage 3 - Drought Emergency

All three monitoring points are at Stage 3 levels

- OR -

Drought Emergency declared by Commonwealth of Pennsylvania or the Delaware River Basin Commission

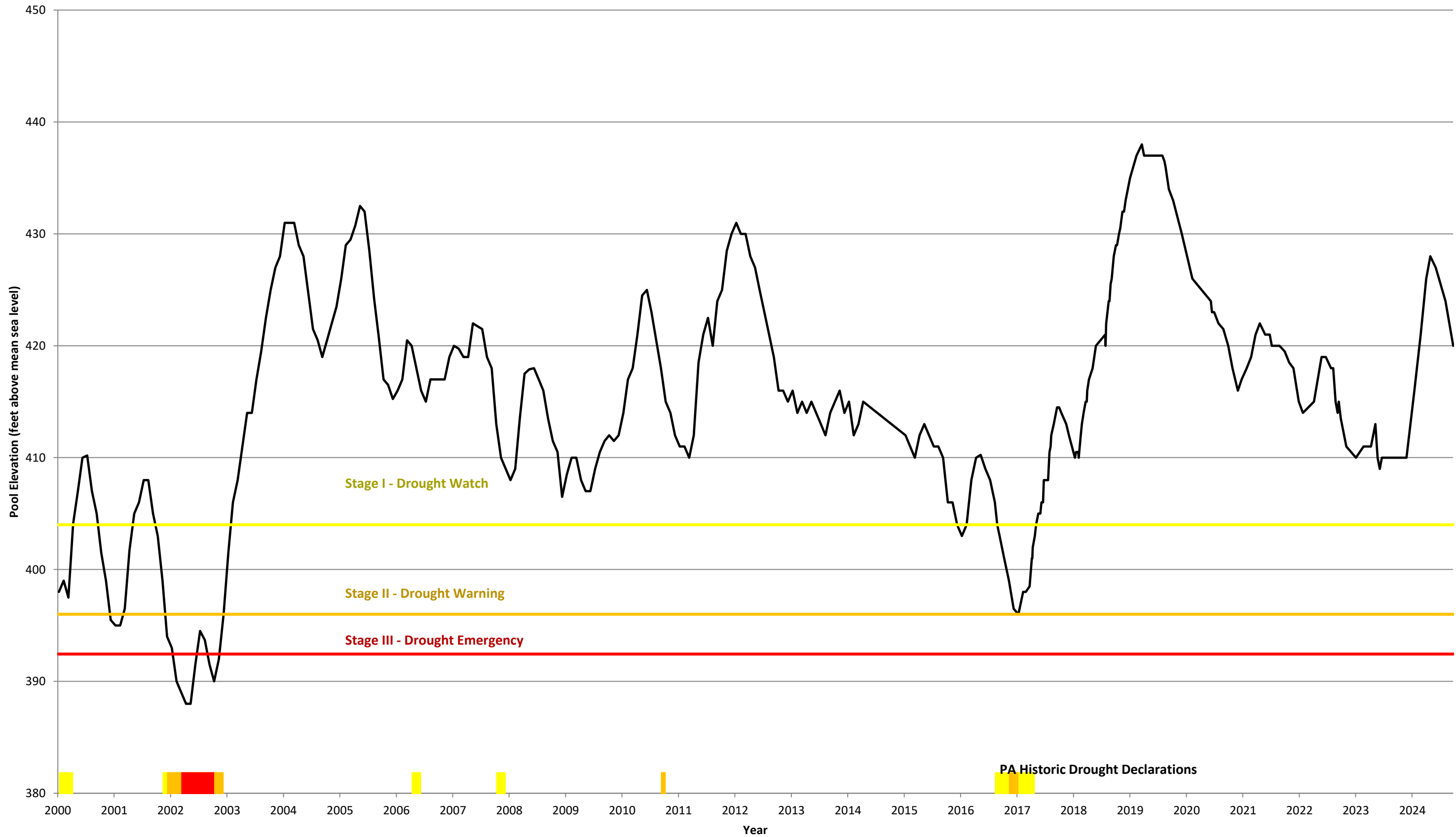
- OR -

LCA is unable to meet system demand for other reasons (operational / mechanical)

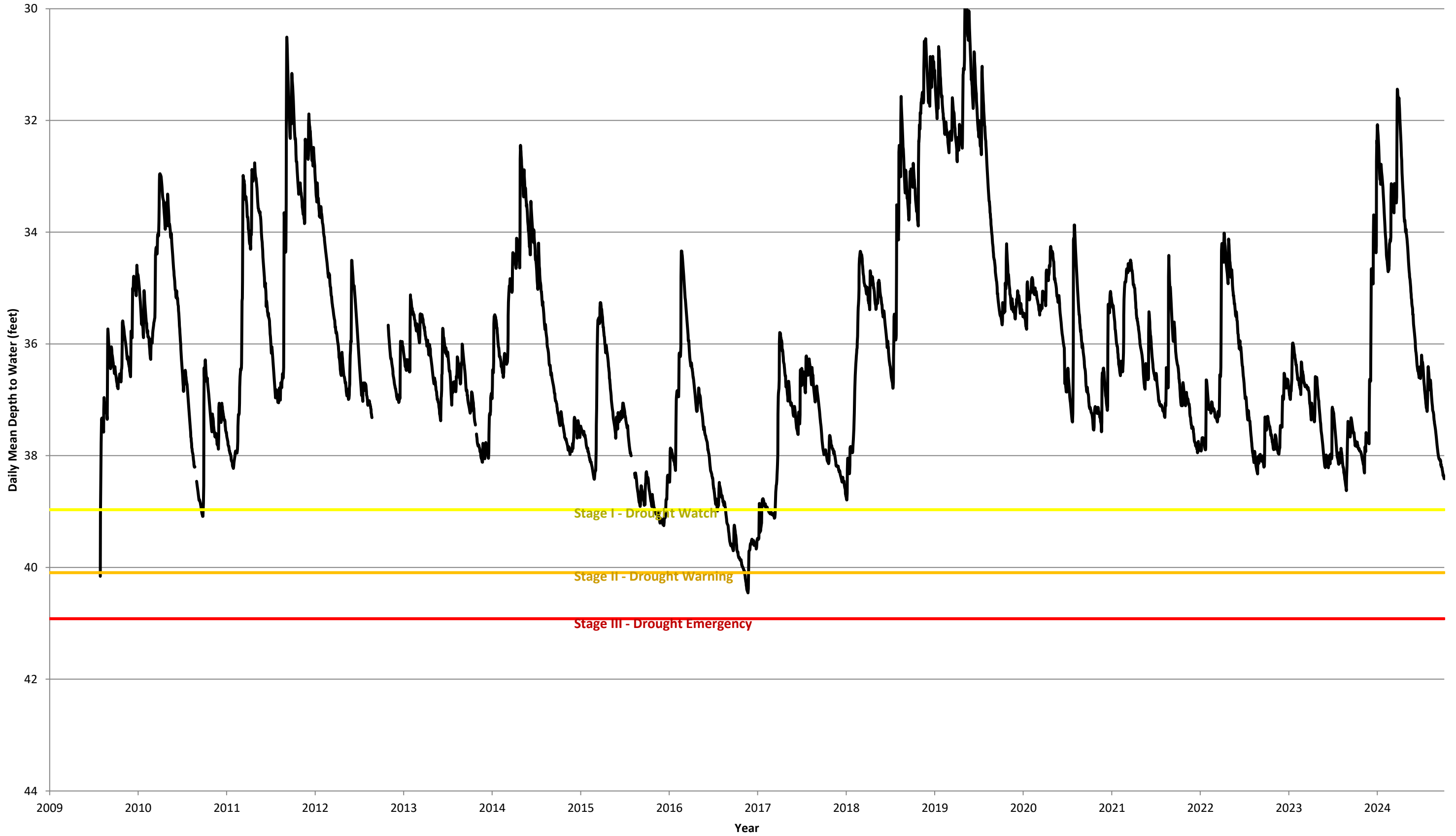
- OR -

Little Lehigh Creek AND Lehigh River pass-by flows are less than required minimums (16 cfs for Little Lehigh; 400 cfs for Lehigh River)

Lehigh County Authority -- Drought Trigger Point # 1  
Upper Macungie Park Quarry



Lehigh County Authority -- Drought Trigger Point # 2  
4817 Lower Macungie Road Monitoring Well



**Figure 3**  
**Little Lehigh Creek Pass-by Flow**

