

Lehigh County Authority

Water Supply Report

Date:	12/15/2021
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Monitoring Point	Measurement	Normal Conditions	Drought Declaration Trigger Points			Current 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	418
Lower Macungie Monitoring Well	Feet below casing top (<i>higher measure = lower water level</i>)	< 39	39	40	41	37.56
Little Lehigh Creek at USGS Gage-10th St.	Cubic feet per second (cfs) (<i>lower measure = lower stream flow</i>)	> 64	64	54	46	79.8

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

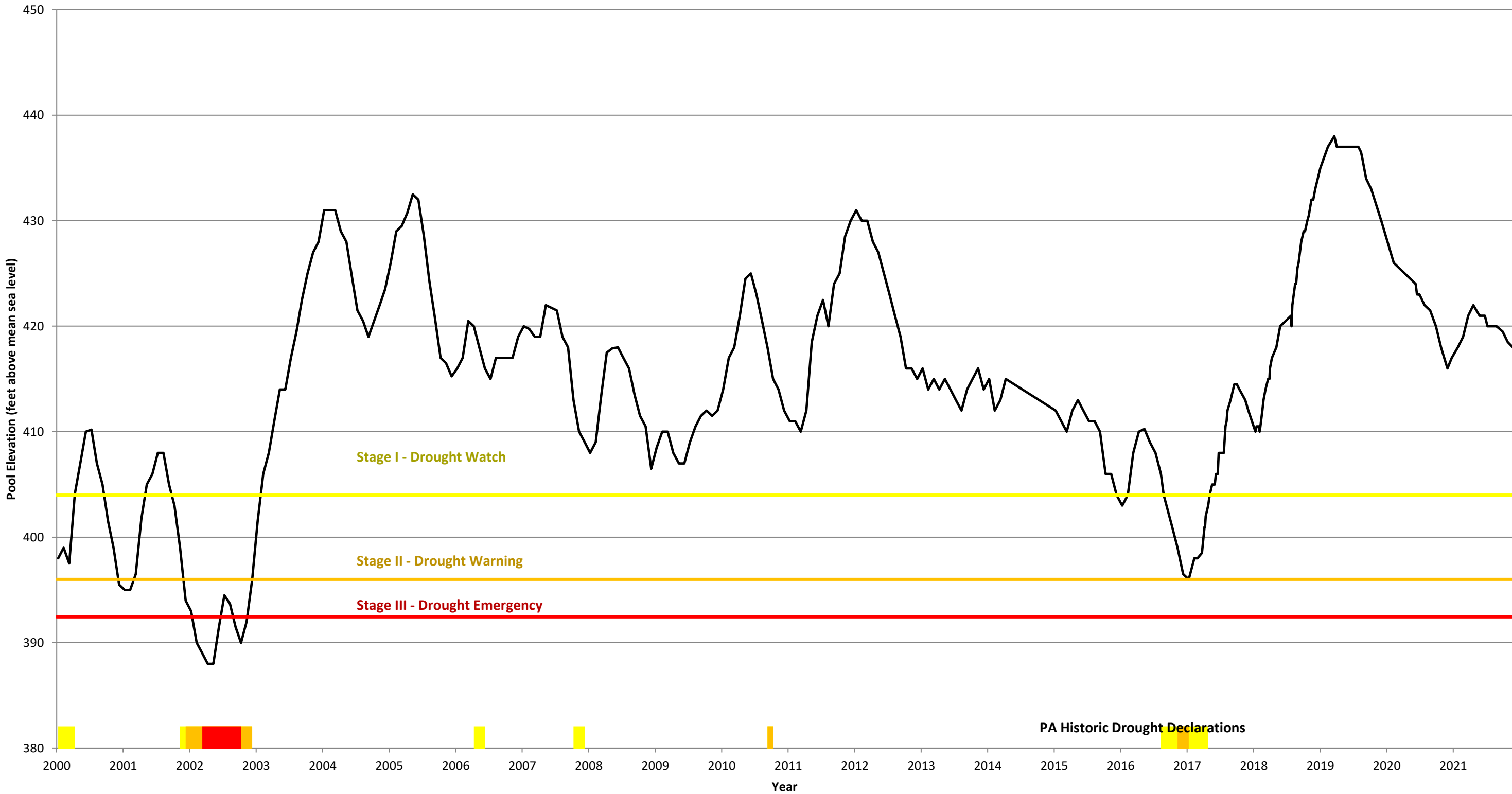
- OR -

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

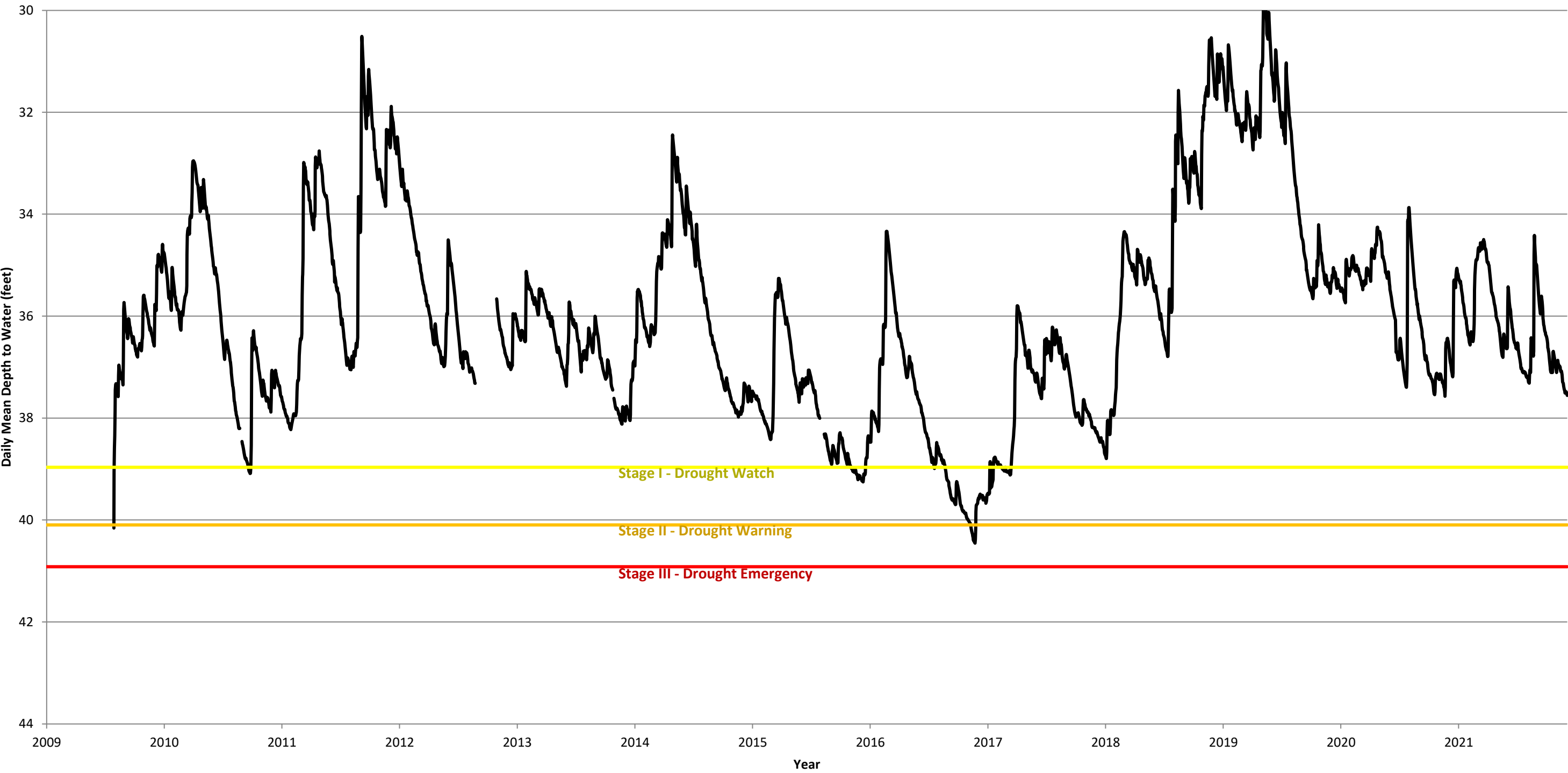


Figure 3
Little Lehigh Creek Pass-by Flow

