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## Water Supply Monitoring – Weekly Report

**REPORTING PERIOD:** January 1, 2016 – September 24, 2016

**REPORT DATE:** September 30, 2016

This report has been prepared by Lehigh County Authority (LCA) to provide the public with important data related to water supplies that are utilized to serve customers with safe drinking water in the following primary service areas:

Allentown Division: Approximately 33,000 customers located within the City of Allentown, with additional “bulk water” provided to neighboring townships and LCA’s Central Lehigh Division through water system interconnections.

Primary Water Sources:

Little Lehigh Creek  
Schantz Spring  
Crystal Spring  
Lehigh River (emergency supply)

Central Lehigh Division: Approximately 20,000 customers located in suburban areas of central and western Lehigh County, primarily in Upper and Lower Macungie townships, with additional customers located in surrounding townships.

Primary Water Sources:

Allentown Division interconnection (see above)  
14 Wells located throughout the service area

Weekly Report Contents:

The information contained in this report is derived from data sources that LCA monitors as an overall indication of water supply adequacy and trends in supply status, along with customer usage. The information is displayed in graphical format for informational purposes only. By issuing this data publicly, LCA hopes to communicate its commitment to sharing vital environmental and public health information. While this report does not seek to share specific conclusions or recommendations, making data available in this manner is necessary to foster additional community dialog regarding appropriate and sustainable use of our precious natural resources.

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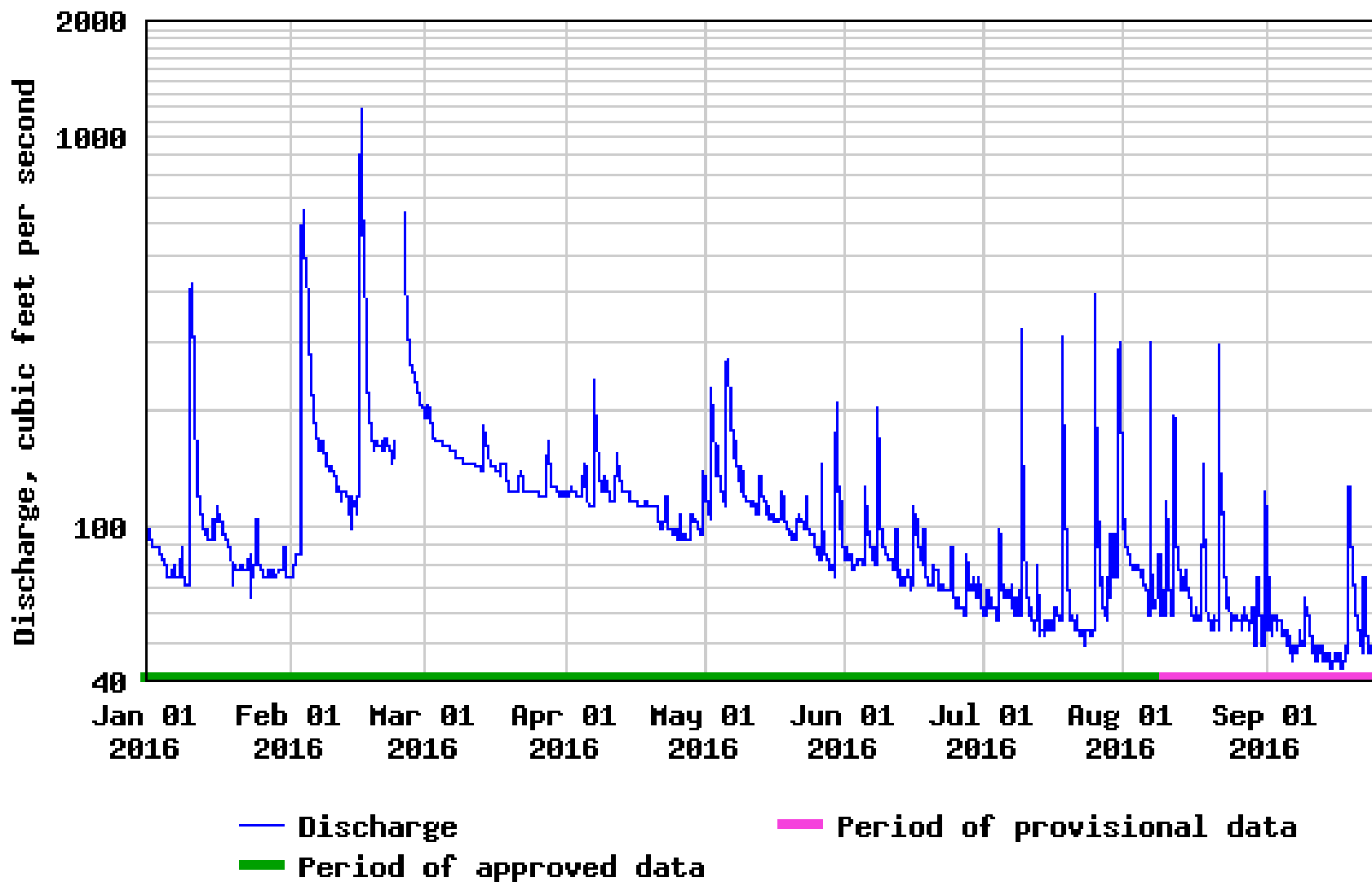
Additional Water Supply Information:

A monthly report showing summary-level data is also available upon request.

*Every drop matters. Every customer counts.*

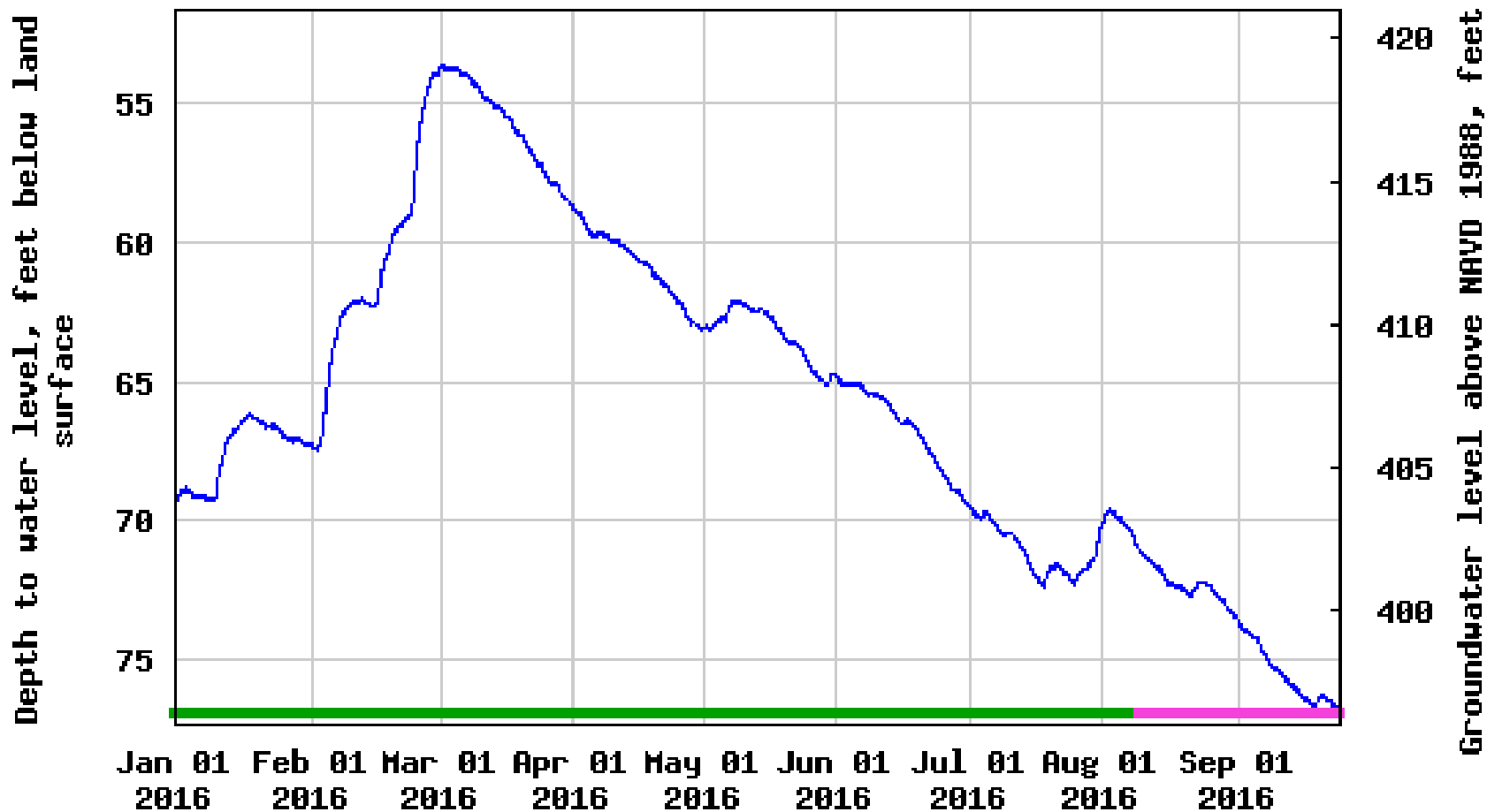


## USGS 01451650 Little Lehigh Creek at Tenth St. Br. at Allentown



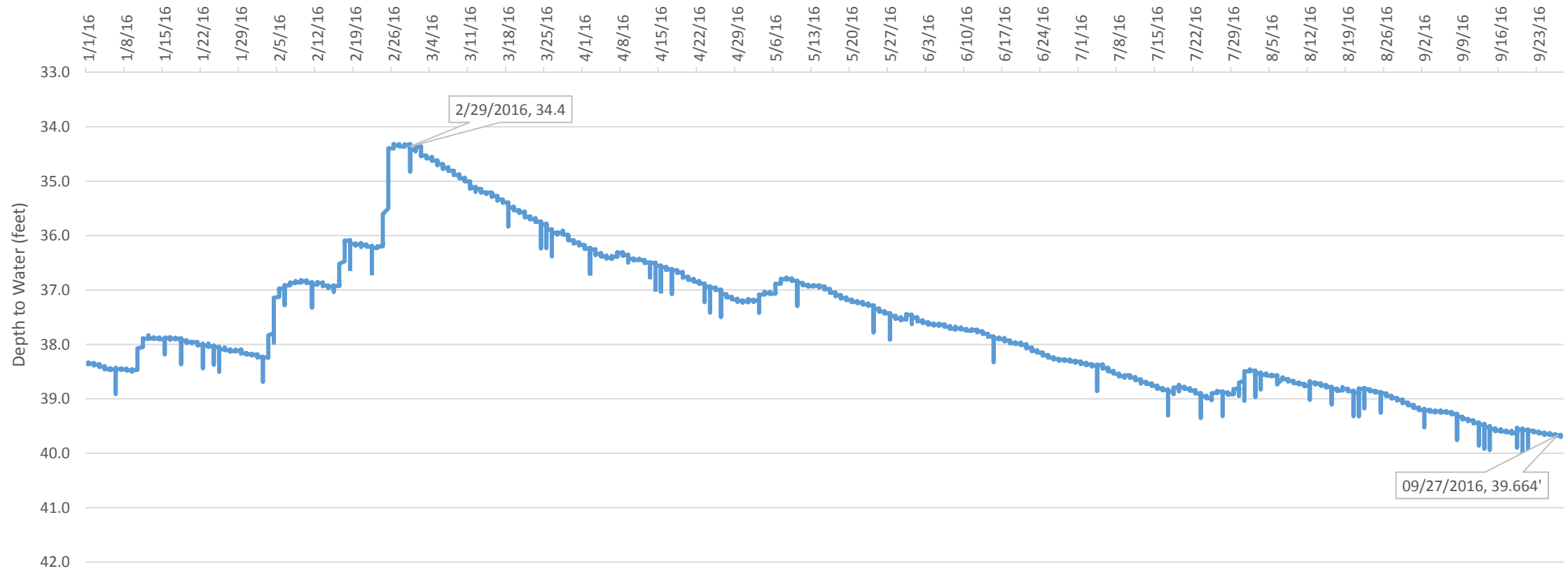


# USGS 403429075392401 LE 644 Lehigh County Observation Well



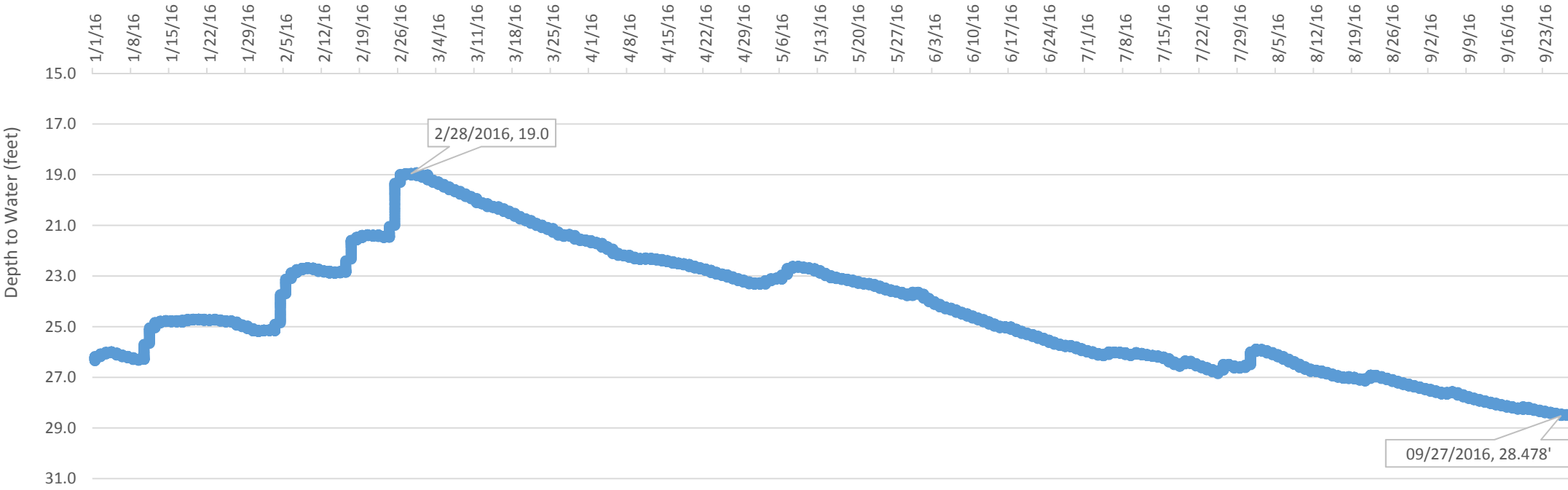
— Depth to water level      — Period of provisional data  
— Period of approved data

### 4817 Lower Macungie Road, Monitoring Well - Weekly Report January 1, 2016 - September 27, 2016



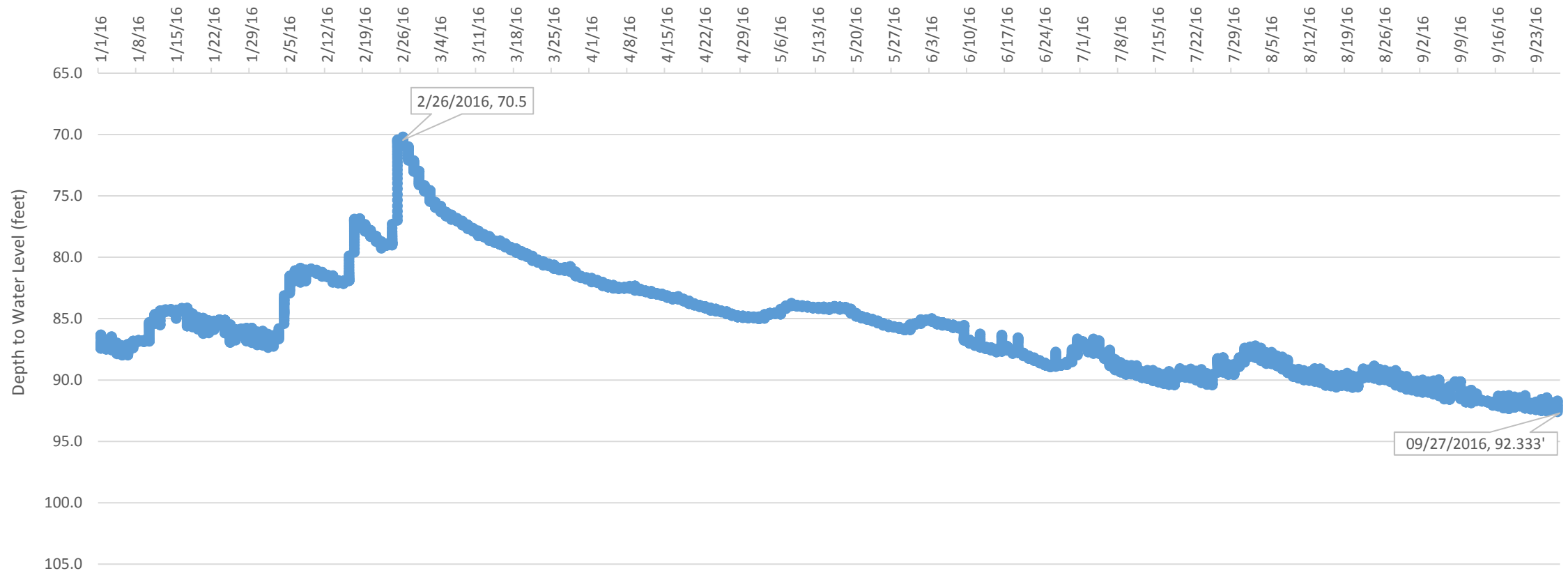
Lehigh County Authority's Monitoring Well "4817 Lower Macungie Road" is located near an LCA public water supply well (called WL8R) in Lower Macungie Township and produces hourly data of groundwater levels in the well. This monitoring well is in place to help analyze the impact of pumping water from the public water supply well that is located in this area. More than 6,000 data points are shown on this graph as groundwater levels are measured every hour of every day.

### Church Lane, Monitoring Well - Weekly Report January 1, 2016 - September 27, 2016



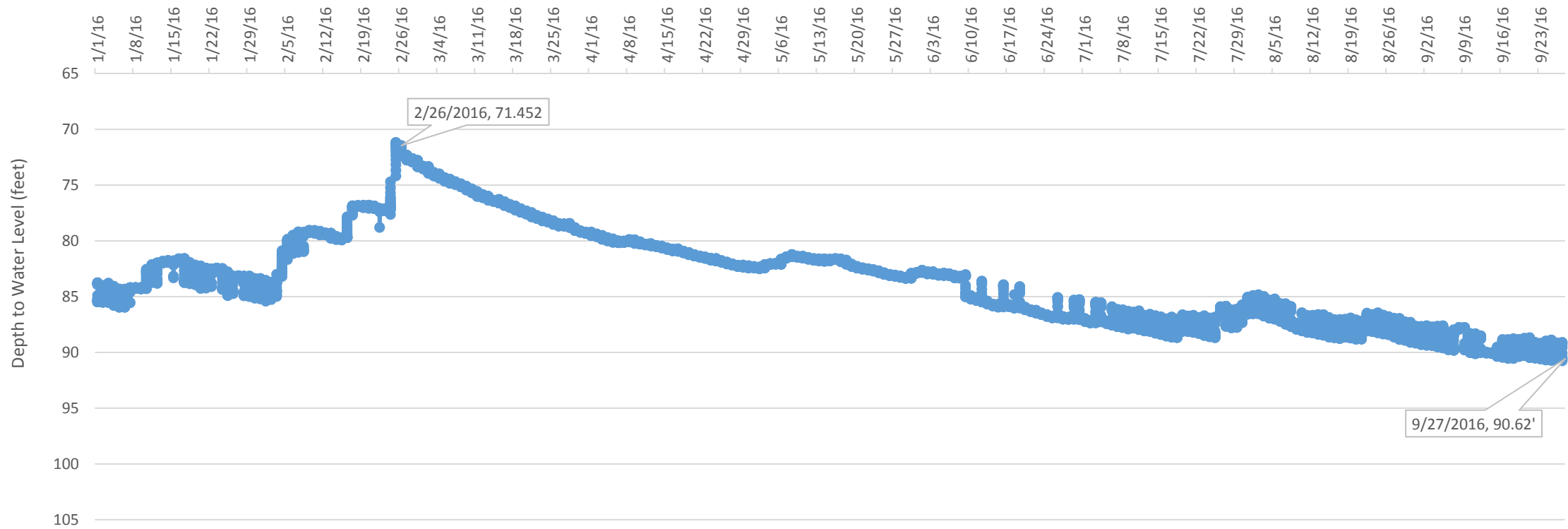
Lehigh County Authority's Monitoring Well "Church Lane" is located near an LCA public water supply well (called WL12R) in Lower Macungie Township and produces hourly data of groundwater levels in the well. This monitoring well is in place to help analyze the impact of pumping water from the public water supply well that is located in this area. More than 6,000 data points are shown on this graph as groundwater levels are measured every hour of every day.

### Monitoring Well 2, Capece Tract - Weekly Report January 1, 2016 - September 27, 2016



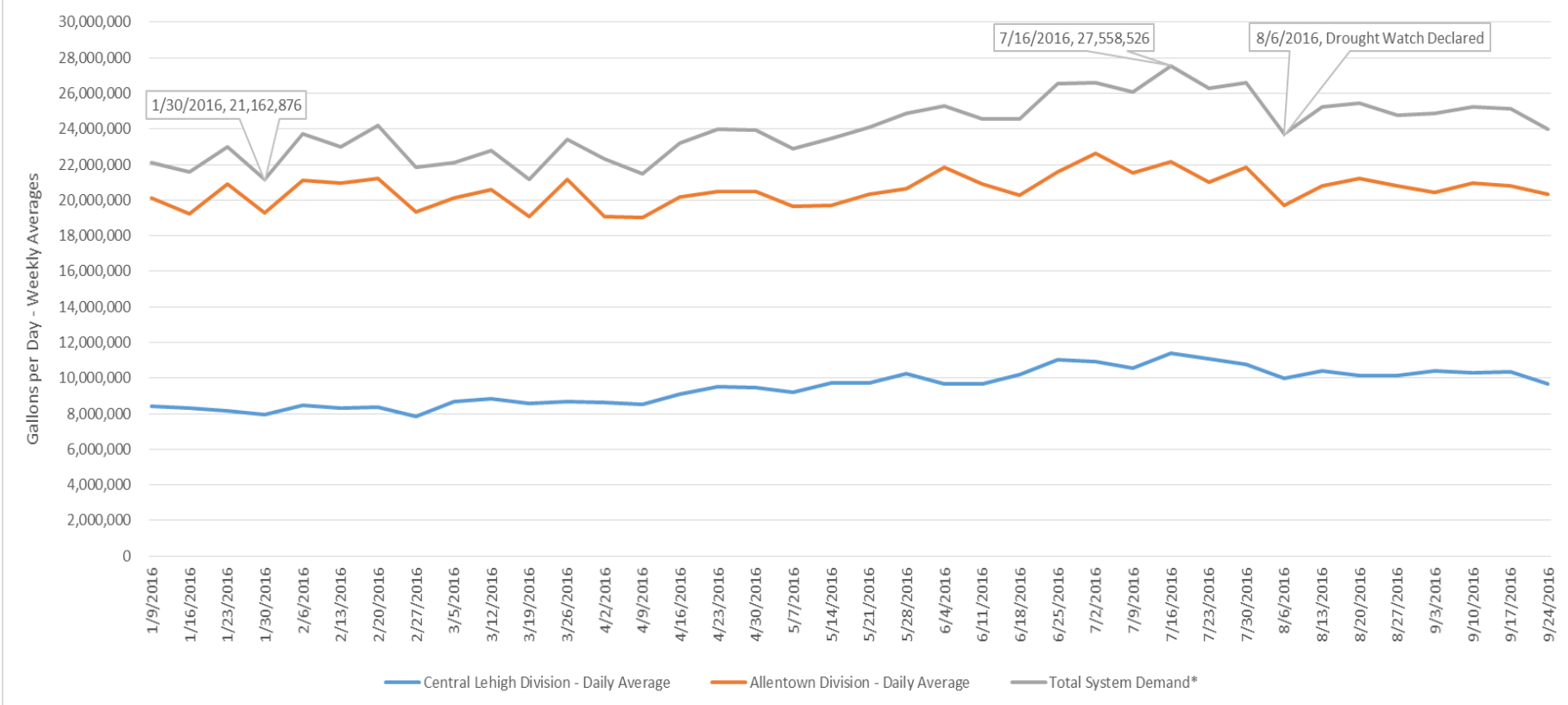
Lehigh County Authority's Monitoring Well # 2 is located near an LCA public water supply well in Breinigsville and produces hourly data of groundwater levels in the well. This monitoring well is in place to help analyze the impact of pumping water from the public water supply well that is located in this area. More than 6,000 data points are shown on this graph as groundwater levels are measured every hour of every day.

### Monitoring Well C, Capece Tract - Weekly Report January 1, 2016 - September 27, 2016



Lehigh County Authority's Monitoring Well C is located near an LCA public water supply well in Breinigsville and produces hourly data of groundwater levels in the well. This monitoring well is in place to help analyze the impact of pumping water from the public water supply well that is located in this area. More than 6,000 data points are shown on this graph as groundwater levels are measured every hour of every day.

Lehigh County Authority - Customer Water Usage - Daily Average/Week



\* **Total System Demand** includes a subtraction for water produced by the Allentown Division and sold to the Central Lehigh Division. This is approximately 6,000,000 gallons per day that is accounted for in both systems and therefore must be subtracted from the total to calculate Total System Demand.