

11/18/2026 Water Sampling completed.

Water samples were collected at four wells in Tinicum and Bridgeton townships on Sunday Nov 15. The wells are situated in the alluvium adjacent to the Delaware River. The samples are being analyzed for a comprehensive list of chemicals including personal care products, pharmaceuticals, pesticides, PFAS's, major chemistry, VOCs, fertilizers ,and heavy metals. Samples were shipped to the Eurofins lab in Lancaster via Fedex on Nov. 15 and delivered to two Penn State labs in State College on Nov 16.

This sampling event was led by Carrie Manfrino and Art Baehr with support from Stephen Donovan and Mary Lennon. We thank the homeowners who volunteered to participate in the study. They gave us access to their basements, wells, and spigots.

This Project titled: *Measuring and Monitoring Pathways Connecting Surface and Groundwater Quality*, is funded by the Bucks County Conservation District, EcoBucks, and Tinicum, Bridgeton, and Nockamixon Townships.

10/8/2026 A crew, led by Bill Ballantine, installed the second Signalfire/Ranger Data Collection Platform (DCP). The well is situated in the alluvial aquifer near the Delaware River in Tinicum Township. The DCP is connected to an Insitu Level Troll 500 water level logger. Prior testing showed that the Eno-type logger produced too much static due to the shallow depth to the water table (+/- 20 ft.) at this location. This installation marks the initiation of the project described in the 7/13/2026 announcement below.

8/10/2026 BNTGMC has established its first real-time water level monitoring location at a well on Ervin Rd. in Tinicum Twp. Water levels are recorded every 30 minutes and the data is sent to the cloud via telemetry. Data visualization is provided on a website from which water level data can be downloaded, analyzed, and archived. The Signalfire/ Ranger Data Collection Platform (DCP) is connected to a Eno Scientific Well Watch 670 water level logger. If this prototype application is successful, then another DCP will be deployed at a well in the alluvial aquifer adjacent to the Delaware River (see 7/13/2026 announcement below). This modern approach to real-time data collection will greatly reduce the labor involved in maintaining our network of well sites as the need to visit a well to download data is eliminated.

7/13/2026 BNTGMC has been awarded a $3,500 grant from the Bucks County Conservation District (BCCD) for the project:
Measuring and Monitoring Pathways Connecting Surface and Groundwater Quality. The total cost

of the project is $10,000 as Bridgeton, Nockamixon and Tinicum Townships each contributed $500 and Eco-Bucks contributed $5,000 matching funds. The project involves water quality testing and groundwater level measurement with remote data telemetry. The objective is to document the influence of the Delaware River on wells situated in the alluvial aquifer adjacent to the River. Project Narrative and Budget

3/11/2026 Dr. Bruce Buechler was approved by the Bridgeton Board of Supervisors to serve as Bridgeton's representative to the BNTGWC. Welcome Dr. Buechler.

3/11/2026 The Bridgeton Board of Supervisors approved a request for $500 to support a BNTGMC grant application to the Bucks County Conservation District. Bridgeton joins Tinicum in support of this effort. A request of $500 is in progress for Nockamixon Township.

3/3/2026 The Tinicum Board of Supervisors approved a request for $500 to support a BNTGMC grant application to the Bucks County Conservation District. Requests of $500 are in progress for Nockamixon and Bridgeton Townships.

2/23/2026
From 1/16 to 2/21 flow data (cubic feet per second) on the Tohickon Creek at Pipersville was unavailable because of ice. Including flow in the local water watch report and watershed budget analysis can now be resumed.

2/22/2026 Penn State released results of their 2025 Private Water Supply Education and Water Testing program. Over 200 private wells, springs, and cisterns were tested in the 2025 program year as part of educational webinars and workshops, helping private water supply owners identify and solve health-related drinking water problems.

Extension Private Water Supply Education and Water Testing in 2025

2/3/2026
Carrie Manfrino and Tom Eckhoff presented the BNTGMC 2025 Annual Report to the Tinicum Twp. Supervisors on 2/3. Presentations of the Annual Report are planned for Bridgeton Twp. on 2/10 @ 7 PM and Nockamixon Twp. om 2/19 @ 7:30 PM.

1/22/2026
The report: Hydrologic Budgets and Seasonal Trends - Tohickon Creek Watershed, has been updated to include the year 2025. Hydrologic Budgets through 2025 Included in this study are budgets for the record drought of 1963 to 1966. Analysis of watershed budgets promotes understanding of the variability in the local hydrologic cycle in response to drought and other climatic conditions.

1/21/2026

The 2025 annual report of the BNTGMC has been released.
Check it out: annual report 2025
We plan to present the report at the Nockamixon Board of Supervisors February 2026 meeting.

1/13/2026

At the monthly meeting the BNTGMC voted unanimously to purchase equipment to implement live streaming of water level data at one of the monitored wells. This prototype will provide educational data displays for the public and guide us to modernizing the groundwater monitoring network. The major scientific advantage of live streaming is accessing data on demand rather than waiting for the next download.

Also at this meeting officers of the BNTGMC were reappointed for another year:

- Tom Eckhoff – Chair (N)
- Dr. Stephen Donovan – Vice Chair (N)
- Dr. Riley Murphy – Secretary/Treasurer (T)

12/9/2025
BNTGMC members Tom Eckhoff, Stephan Donovon, Carrie Manfrino, and Riley Murphy attended the Tinicum Twp. Planning Commission meeting. Discussed was the update to the 2015 Comprehensive Plan. The BNTGMC is providing an update to the 2015 version of Chapter 2 : Protect Water Resources.

11/11/2025
BNTGMC monthly meeting
https://drive.google.com/file/d/1rdQBaWmtPNK274hQrr939fW2JdXZ7P0d/view?usp=drive_link

5/7/2025
Tom Eckhoff presented at the 2025 PA Groundwater Symposium held in Harrisburg, PA - May 7, 2025. His talk was titled: Groundwater and Water Quality Monitoring in Upper Bucks County, PA. The slides are available in the reports section of this website.

5/23/2024
Art Baehr presented at the 2024 PA Groundwater Symposium held in Harrisburg, PA - May 23, 2024. His talk was titled: Groundwater Interaction with the Delaware River Northern Bucks County PA. Carrie Manfrino and Stephen Donovan were contributors. The presentation was based on the report: Groundwater Interaction with the Delaware River in Bridgeton, Nockamixon, and Tinicum Townships, Arthur L. Baehr, April 26, 2024. The report is available in the reports section of this website.

8/26/2021

BNTGMC donates weather station at Palisades High School

https://drive.google.com/file/d/1vq_Utj3qMoWxQYVenPr5JOJ4xQDxj07R/view?usp=drive_link