

The regular meeting of the Board of Directors of The Miami Conservancy District (MCD) sitting as the Board of Directors of The Aquifer Preservation Subdistrict (APS) was called to order at 10:35 a.m. by Mark G. Rentschler, President, with Beth G. Whelley, Vice President and Michael H. van Haaren, member, present. The meeting was held at MCD headquarters.

Members of the staff in attendance: MaryLynn Lodor, General Manager; James B. Casper, Manager, Operations and Maintenance; Michael P. Ekberg, Manager, Water Resources Monitoring and Analysis; Daniel K. Foley, Great Miami Riverway Director; Sarah Hippensteel Hall, Manager, Watershed Partnerships; Kenneth P. Moyer, Treasurer; Donald P. O'Connor, Chief Engineer; Shannon E. Phelps, Manager of Administration (serving as acting Secretary at this meeting); and Barry M. Puskas, Chief of Technical and Engineering Services.

Legal counsel in attendance: W. Chip Herin III, Coolidge Wall Co., LPA.

Guests in attendance: None

COMPLIANCE WITH SUNSHINE LAW AND BYLAWS

The meeting was held in compliance with the Sunshine Law and MCD and Subdistrict Bylaws. The meeting information was posted on MCD's website. Miami Valley news media and individuals requesting such notification were notified of the meeting by electronic mail dated December 5, 2022.

MINUTES

The Minutes of the Board of Directors meeting held September 22, 2022, were provided to members of the Board for review and comment.

M 2022-148

The Board of Directors, on motion by Ms. Whelley and seconded by Mr. Rentschler, unanimously approved the Minutes for September 22, 2022. Mr. van Haaren was appointed to the Board of Directors effective December 13, 2022, therefore abstained.

Observation Wells

MCD staff collect depth-to-water measurements at 93 observation wells within the Great Miami River Watershed. Of these 93 observation wells 32 wells are equipped with loggers that measure depth to water and store the data electronically. The remaining 61 wells are measured manually. Since the last Board meeting, MCD staff made monthly field visits to each of the observation wells to download the data from loggers or make a manual depth-to-water measurement. All of the data was imported into the AQUARIUS cloud system.

Monitoring Wells

MCD staff collected groundwater samples at 12 monitoring well locations during September and October. The samples are undergoing analysis at Pace Analytical Services in Englewood, Ohio for major ions, metals, nutrients, pathogens, and volatile organic compounds. MCD will combine the results from this latest round of groundwater sampling with the results from the spring round of sampling and compile a report on what the results tell us about groundwater quality in the buried valley aquifer system.

All of the groundwater quality data collected in 2022 will be compiled into a report.

Nutrient Monitoring Stations

MCD operates four automated nutrient sampling stations in the Great Miami River Watershed. MCD staff visit each of the samplers once per week to collect the samples and deliver them to the laboratory at the Dayton wastewater treatment plant for analysis of ammonia, nitrite plus nitrate, total Kjeldahl nitrogen, total phosphorus, soluble reactive phosphorus, and total suspended solids.

Since the last Board meeting in September, MCD staff visited each of the sampling stations 11 times to collect samples.

Bacteria Monitoring for Great Miami Riverway

MCD worked with the University of Dayton to develop a Bacteria Nowcast application featured on the Riverway website. The Nowcast application uses recent rainfall and changes in river flow to predict E. coli levels at two locations (Dayton Rowing Club and Huffman Dam) in the Dayton region. To check the performance of the application MCD staff collect water samples for analysis of E. coli bacteria between the dates of May 1 and October 31 (water recreation season), and bring them to the City of Dayton Division of Water Supply and Treatment Central Water Quality Laboratory to analyze.

Butler County Children's Water Festival

The Butler County Children's Water Festival took place on October 7 at the Miami University Hamilton campus. Approximately 1,000 fourth-grade students from school districts in Butler County attended the event. The event featured many classroom presentations on water-related topics. MCD staff supported the event in various capacities such as serving on the planning committee, being a presenter, and leading classes around the campus.

Partnerships

Staff participated in:

- American Planning Association's webinar on urban flooding
- Bike Miami Valley's Regional Advocacy Committee meeting
- Brukner Nature Center Annual Meeting
- Diversity, Equity, & Inclusion training for conservation professionals
- Fairborn Historical Society
- Miami Valley Regional Planning Commission's Planning & Capacity Building Resiliency planning committee
- Montgomery County MS4 Stormwater Permit Review
- Ohio River Basin Inspection Tour with U.S. Army Corps of Engineers
- Ohio Watershed Professionals Association Annual Meeting
- Tecumseh Land Trust Annual Meeting
- The Nature Conservancy exploratory meeting
- U.S. Water Alliance One Water Council meeting
- Water Management Association of Ohio Annual Conference

GRANT FUNDING UPDATE

The following is a status update regarding a grant application approved by the Board of Directors at the September 2022 meeting.

Project Title: *Storybook Trail "Into the River"*

Description: To install a new storybook trail called "Into the River." The storybook trail includes 12 signs, spaced 80 yards apart, to be installed along the Great Miami River Recreation Trail in downtown Dayton, beginning at the intersection of Stewart Street and Patterson Boulevard, and ending at the intersection of Carillon Boulevard and Patterson Boulevard. Each sign will feature two pages of a children's book that was written and published by students from the University of Dayton's Rivers Institute at the Fitz Center for Leadership and Community, and partially funded by MCD.

Total Project Cost: \$8,000.00

Grant Amount Requested: \$6,400.00

Source: Ohio Department of Natural Resources (ODNR), Division of Watercraft

The Miami Conservancy District Match: \$1,600.00 (Aquifer Preservation Fund 250)

Other Participants: N/A

Status: Application was submitted on July 15, 2022. ODNR notified MCD on November 29 that the grant funding request was approved on the condition that the State of Ohio Controlling Board approves the grant award.

FUTURE BOARD MEETINGS

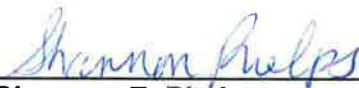
The Board members set the following dates for the 2023 regular meetings of the Board of Directors of The Miami Conservancy District sitting as the Board of Directors of The Aquifer Preservation Subdistrict: March 8, June 21, September 20, and December 13.

ADJOURN

There being no further business, the meeting was adjourned by unanimous consent.

ATTEST:

APPROVED:



Shannon E. Phelps
Acting Secretary



Mark G. Rentschler
President

