

## RESOLUTION FOR THE MINUTES

A Resolution for the Minutes authorizing the Executive Director to enter into an agreement with the New Jersey Center for Water Science and Technology at Montclair State University for the analysis of water samples for microbial source tracking.

WHEREAS, for interstate waters within the Delaware River Basin, the basin states' regulations implementing the Clean Water Act defer or refer to DRBC water quality standards; and

WHEREAS, "recreation" (also referred to as "primary contact recreation") is a designated use for all water quality zones in the main stem Delaware River, except within a 27-mile long segment in the urban Delaware River Estuary that comprises Zone 3 and the portion of Zone 4 above River Mile 81.8 ("upper Zone 4"), where the designated uses include only "recreation-secondary contact"; and

WHEREAS, since summer 2019, DRBC has performed enhanced bacterial monitoring for *E. coli*, fecal coliform and enterococci in Zone 3 and upper Zone 4, including both shore-based sampling and boat-based transect sampling; and

WHEREAS, evaluation of the monitoring results to date shows spikes in bacterial concentration during both wet and dry weather periods and suggests multiple sources of bacteria; and

WHEREAS, the proportion of animal-derived bacteria in the Delaware Estuary is currently unknown; and

WHEREAS, the Commission recognizes that identifying the sources of bacteria in Zone 3 and upper Zone 4 is an important step toward reducing bacterial concentrations in the Estuary; and

WHEREAS, the New Jersey Center for Water Science and Technology at Montclair State University, an entity of the State of New Jersey, performs microbial source tracking analysis to accurately quantify universal fecal markers in water bodies for both human and animal hosts, including bovine, Canada goose, deer, equine, and canine; and

Now therefore, BE IT RESOLVED by the Delaware River Basin Commission:

1. The Executive Director is hereby authorized and directed to enter into an agreement with the New Jersey Center for Water Science and Technology at Montclair State University for source tracking of bacteria in Zone 3 and upper Zone 4 of the Delaware Estuary.

2. Funds in an amount not to exceed \$50,000 shall be allocated for this purpose from the Commission's Water Pollution Control (Clean Water Act Section 106) grant, unless additional funds are expressly allocated to augment this sum.

3. In accordance with sub-paragraphs (1) and (5) of Section 14.9 of the Delaware River Basin Compact, the competitive bidding requirements of that section are hereby waived.

ADOPTED: December 8, 2021