

Water Availability and Sustainability

Development of a Data Management System and Decision Support Tool to Assess Water Availability and Sustainability in the Southeastern Connecticut Coastal Area in New London County, Portions of Middlesex County (east of the Connecticut River) And Mashantucket Pequot Reservation

While the work for this grant was completed quite some time ago, the U.S. Geological Survey has a lengthy review process which took much longer than anticipated. The tool is finally published and available for use through the USGS, New England Water Science Center, Massachusetts-Rhode Island office. References and links are as follows:

Levin, S.B., Olson, S.A., Nielsen, M.G., and Granato, G.E., 2018, The Connecticut Streamflow and Sustainable Water Use Estimator—A decision-support tool to estimate water availability at ungagged stream locations in Connecticut: U.S. Geological Survey Scientific Investigations Report 2018–5135, 34 p., <https://doi.org/10.3133/sir20185135>. This publication is available online only.

Granato, G.E., and Levin, S.B., 2018, User guide for the Connecticut Streamflow and Sustainable Water Use Estimator (CT SSWUE—version 1.0) computer program: U.S. Geological Survey Open-File Report 2018–1163, 7 p. <https://doi.org/10.3133/ofr20181163>. This publication is available online only.

CT DEEP staff will begin working with the tool and expanding the data to the rest of the state. In addition to the potential for local use, it will be a valuable tool for water planning at the state level. A link to the Sustainable Water Use Estimator (SSWUE) tool has been added to the Water Quantity section of the CT DEEP webpage.