

3745-6-05

Technical standards.

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, federal rules and federal statutory provisions referenced in this rule, see rule 3745-6-02 of the Administrative Code.]

(A) The water quality certified professional shall select and use the appropriate field assessment and test procedure methods listed in paragraph (B) of this rule, or alternative methods approved by the director when collecting and assessing data that may be submitted in support of a permit application.

(B) Source documents containing technical standards for sampling methods and data analysis.

(1) References for stream assessment methods.

(a) "Midwest Biodiversity Institute (for Ohio EPA, Division of Surface Water). 2006." Methods for assessing habitat in flowing waters using the qualitative habitat evaluation index (QHEI). 26 pp.

(b) Ohio EPA. 2018. "Field Methods for Evaluating Primary Headwater Streams in Ohio," Version 4.0. Ohio EPA Division of Surface Water, Columbus, Ohio. 129 pp. This document is available on the web at <https://epa.ohio.gov/dsw/wqs/headwaters/index>.

(c) Ohio EPA. 2010. "Methods of Assessing Habitat in Lake Erie Shoreline Waters Using the Qualitative Habitat Evaluation Index (QHEI) Approach (Version 2.1). 35 p."

(d) Rankin, E.T. 1989. The qualitative habitat evaluation index (QHEI): rationale, methods, and application. "Div. Water Qual. Plan. & Assess., Ecol. Assess. Sect., Columbus, Ohio."

(e) Rankin, E. T. 1995. The use of habitat assessments in water resource management programs. pp. 181-208. In: W. Davis and T. Simon (eds.), "Biological Assessment and Criteria: Tools for Water Resource Planning and Decision Making. Lewis Publishers. Boca Raton, FL."

(2) References for wetland assessment methods.

(a) Ohio Rapid Assessment Method for Wetlands v. 5.0, User's Manual and Scoring Forms. Ohio EPA Technical Report WET/2001-1. Ohio Environmental Protection Agency, Division of Surface Water, 401/Wetland Ecology Unit, Columbus, Ohio.

(3) References for advanced wetland assessment methods.

(a) Gara, Brian. 2013. The Vegetation Index of Biotic Integrity "Floristic

Quality" (VIBI-FQ). Ohio EPA Technical Report WET/2013-2. Ohio Environmental Protection Agency, Wetland Ecology Group, Division of Surface Water, Columbus, Ohio.

(b) Mack, John J. and Brian D. Gara. 2015. Integrated Wetland Assessment Program. Part 9: Field Manual for the Vegetation Index of Biotic Integrity for Wetlands v. 1.5. Ohio EPA Technical Report WET/2015-2. Ohio Environmental Protection Agency, Wetland Ecology Group, Division of Surface Water, Columbus, Ohio.

(c) Micacchion, Mick. 2011. Field Manual for the Amphibian Index of Biotic Integrity (AmphIBI) for Wetlands. Ohio EPA Technical Report WET/2011-1. Ohio Environmental Protection Agency, Wetland Ecology Group, Division of Surface Water, Columbus, Ohio.

(C) Test procedures for the analysis of pollutants. All samples collected that require analysis in a laboratory or in the field shall be analyzed using the methods listed in 40 C.F.R. 136.