

Data Sharing Plan

Maumee AOC - Howard Farms: Restoring coastal wetlands, Lake Erie hydrology, natural stream channel, fish passage and public recreation

The Maumee AOC – Howard Farms: Restoring coastal wetlands, Lake Erie hydrology, natural stream channel, fish passage, and public recreation project, implemented by Ducks Unlimited, will generate environmental data and information, including a geotechnical analysis and pre-restoration monitoring to determine baseline conditions.

The geotechnical analysis will be conducted by a third party consultant. Multiple soil borings will be made to determine the stratification, soil types, soil permeability, soil strength, soil density, soil density-moisture relationship, and the soil's ability to support foundations at locations critical to restoring coastal wetlands. The consultant will prepare a geotechnical investigation report to document the study. This report will be stored at Ducks Unlimited's Great Lakes/Atlantic regional office in Ann Arbor, Michigan. Requests for data will be available to the public upon request starting July 1, 2015. Contact Russ Terry, Ducks Unlimited Manager of Conservation Programs, at 734-623-2000 and rterry@ducks.org.

Pre-restoration monitoring to determine baseline conditions will be coordinated by The Nature Conservancy who will sub-contract with multiple agencies and organizations to complete the monitoring. Monitoring will occur in 2014-2015 and is expected to include the following variables:

- water quality (turbidity, temperature, pH, dissolved oxygen, ammonia (NH₃), chloride, nitrogen dioxide, nitrate, silicon dioxide, soluble reactive phosphorus, total phosphorus, total Kjeldahl nitrogen, conductivity, suspended solids, fluoride)
- fish community health (species present, relative abundance, IBI Score)
- presence/absence of target fish species (northern pike, shiner spp., longnose gar, western banded killifish)
- macroinvertebrate community health (families present, relative abundance, ICI score)
- avifauna community health (breeding species present and relative abundance)

Monitoring data, reports detailing the data collected, and data analysis will be stored at The Nature Conservancy's Kitty Todd Preserve in Swanton, Ohio. TNC will make the final monitoring report available through the documents section of the Maumee AOC Data Management and Delisting System (DMDS). Also, pending MAAC approval of the data and methods, TNC will upload ICI, IBI and water quality data into the DMDS. Requests for data will be available to the public upon request starting June 30, 2017. Contact: Jennifer Thieme, The Nature Conservancy's Conservation Project Coordinator, at 419-867-1521 x-23 and jthieme@tnc.org.

The third-party contractor collecting macroinvertebrate data intends to prepare results for peer-reviewed publication. No plans exist to submit other results to a peer-reviewed scientific journal. Project partners also intend to collect post-restoration monitoring data but currently funding is not available. Also, Ducks Unlimited collected topographic survey data of the project site in 2010 but that data is not subject to this data sharing plan as the collection was not NOAA-sponsored.

All future sub-awardees not currently identified in this plan will have as a condition of their contract acceptance of this data sharing plan. Any additional data sharing stipulations for future sub-awardees may be outlined at that time and described in their contract.