



INTRODUCTION

The Western Lake Erie Basin (WLEB) Partnership is a tri-state partnership dedicated to enhancing multi-purpose projects that improve land and water resource management in the basin and promote a healthy productive watershed. To achieve this mission, the WLEB created strategic objectives to address a growing number of water quality concerns - such as, nonpoint source pollution, toxics, hydrologic management, dredging, and sedi-

mentation. This factsheet, then, highlights multi-year monitoring efforts from Federal, State, and local sources, as well as, non-governmental organizations (NGO) when available. It displays streamflow and water quality data in both spatial and graphical formats - providing an informative view of the historical water data in the Maumee River basin.

What is the Credible Data Program?

In an effort to increase the information base available for enhancing, improving, and maintaining water resource quality, some states (Ohio and Indiana) have independently established credible data programs to define 3 levels of surface water quality data:

Level 1 data is collected by the numerous volunteer stream and lake monitoring programs. Data at this level are used for purposes of awareness and educational activities.

Level 2 data helps with the initial screening of water quality problems to determine if additional studies are needed.

Level 3 data are the highest level and help with a variety of regulatory and management decisions.

DATA SOURCES

NGO water data are represented in the WLEB by Heidelberg University's National Center for Water Quality Research (NCWQR) whose program has been designed to provide accurate and long-term pollutant loading data for Ohio's major tributaries to Lake Erie.

■ An online user's guide and access to the data are available at :

<http://www.heidelberg.edu/wq/tributarydatadownload>.

State water data are represented in the WLEB by the: Ohio Environmental Protection Agency (OEPA) Division of Surface Water who conducts biological and chemical water quality monitoring to assess the quality of Ohio's lakes and streams.

■ More information can be obtained at:

<http://www.epa.state.oh.us/dsw>

Federal water data are represented in the WLEB by the: U.S. Geological Survey, Water Resources Discipline who provides reliable and timely water resource information.

■ Access to the data are available at:

<http://waterdata.usgs.gov/nwis>

U.S. Environmental Protection Agency (USEPA) who protects and restores watersheds and aquatic ecosystems.

■ More information can be obtained at:

<http://www.epa.gov/OW/>

U.S. Army Corps of Engineers (USACE) who manage water level, flow monitoring, and sediment transport in the Great Lakes.

■ More information can be obtained at:

<http://www.iwr.usace.army.mil>

Contact Us

Western Lake Erie Basin Partnership

Website: wleb.org

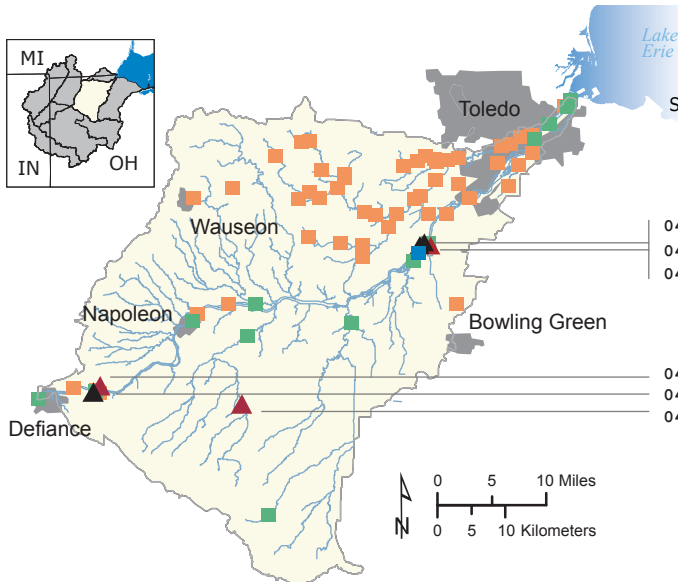
Email: wlebhelp@wleb.org



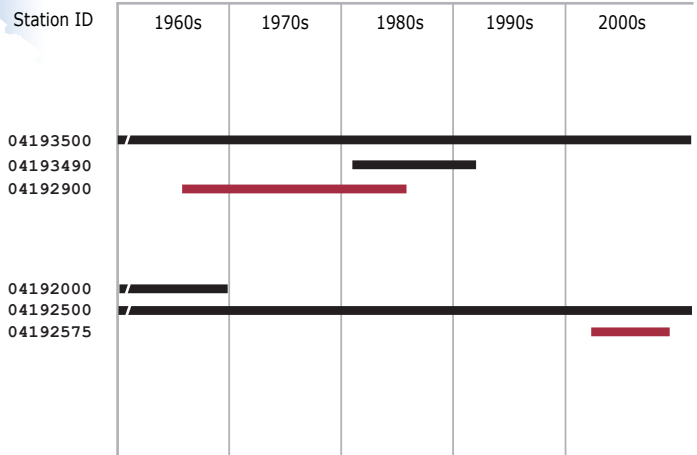
Historical Assessment of Streamflow and Water Quality Activities

Lower Maumee River Watershed (0410009)

2009



PERIOD OF RECORD Daily Discharge, Stage or Peak Streamflow Gages



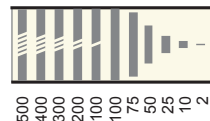
EXPLANATION

This factsheet highlights multi-year monitoring efforts from Federal, State, local and academic sources, as well as non-governmental organizations. It displays streamflow and water quality monitoring activity in both spatial and graphical formats; providing an unprecedented view of historical water data in the Maumee River basin.

FLOW NETWORK

- ▲ Daily Discharge Gage
- ▲ Stage or Peak Streamflow Only

SAMPLING FREQUENCY (Samples per year)



WATER QUALITY SAMPLING NETWORK

- Federal: U.S. Geological Survey, U.S. Environmental Protection Agency, U.S. Army Corps of Engineers
- State: Ohio Environmental Protection Agency
- Local/Academia: Heidelberg University
- NGO*: none

GAGE NETWORK SCHEMATIC

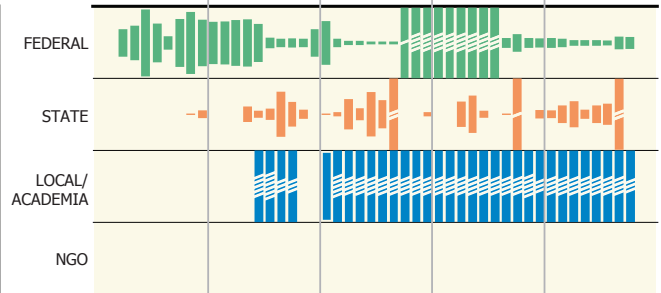
Station ID	Station Name	Flow Network
04192500	Maumee River near Defiance, OH	
04192000	Miami and Erie Canal near Defiance, OH	
04192575	South Turkeyfoot Creek near Elery, OH	
04192900	Reitz Run at Waterville, OH	
04193490	Maumee River near Waterville, OH	
04193500	Maumee River at Waterville, OH	

FLOW TO LAKE ERIE (04120200) ←

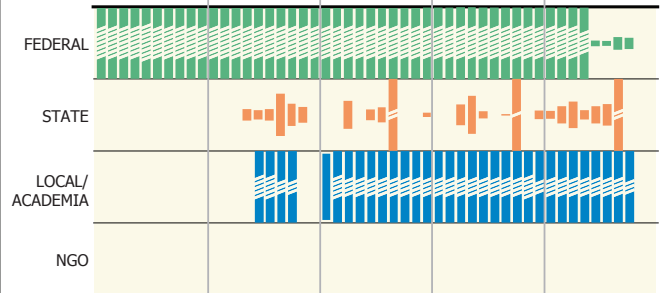
*(NGO) Non-Governmental Organization

Water Quality Sampling Frequency (samples per year)

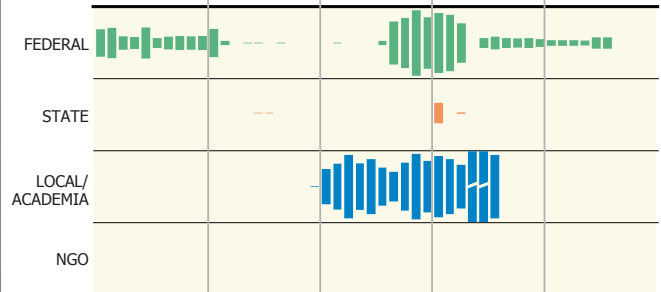
NUTRIENTS



SEDIMENTS



PESTICIDES



1960s 1970s 1980s 1990s 2000s