

# NOACA's Clean Water 2000 Plan: Chapter 4 Overview

Section 208 Water Quality Management  
Planning in Northeast Ohio

March 19, 2015



# NOACA Overview

- The Northeast Ohio Areawide Coordinating Agency (NOACA) is a regional organization of local officials responsible for carrying out transportation and environmental planning under local direction and in accordance with federal and state mandates
- Includes the counties of Cuyahoga, Geauga, Lake and Medina
- NOACA is the metropolitan planning organization (MPO) for the region



# Clean Water 2000 Plan

- NOACA's 208 Plan
  - [www.noaca.org/index.aspx?page=98](http://www.noaca.org/index.aspx?page=98)
- 13 Chapters Focused On:
  - Sewer Expansion in the Suburban Counties
  - Better Home Sewage Treatment Systems
  - Control of Nonpoint Source Pollution
  - Protection of the Region's Critical Water Resources
- Information, Strategies and Recommendations
- Comprehensive Update Planned by NOACA



# Selected 208 Plan Chapters

- **Chapter 3\*:**
  - Current Conditions and Projected Development
- **Chapter 5\*:**
  - Management of Home Sewage Treatment and Semi-Public Sewage Disposal Systems
- **Chapter 6:**
  - Management of Nonpoint Source Pollution and Storm Water Runoff
- **Chapter 10:**
  - Ongoing Areawide Water Quality Management Planning

\* Currently Being Updated



# Chapter 4:

## Wastewater Management Facility Planning

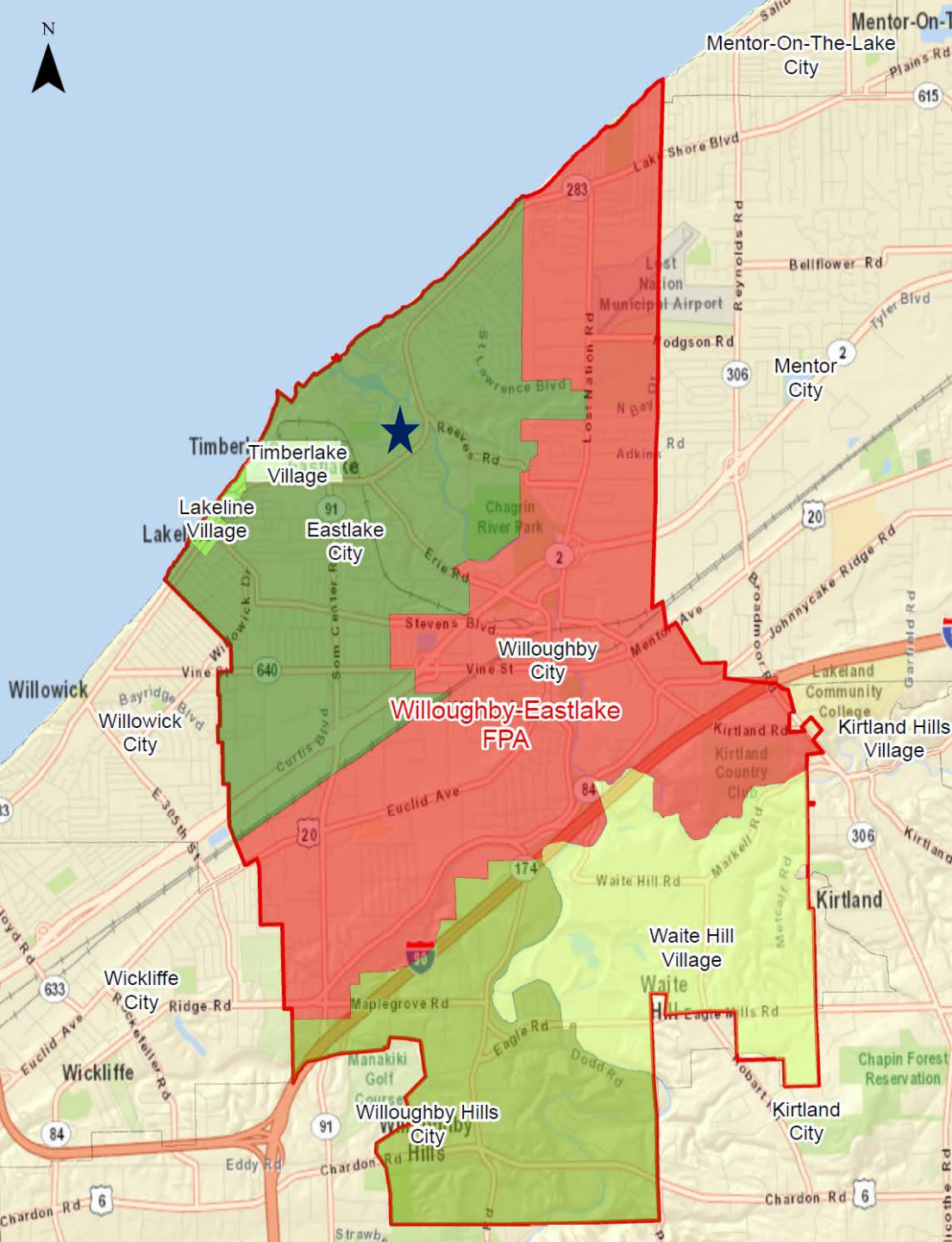
- Wastewater Management Facility Planning Areas (FPAs) and Designated Management Agencies (DMAs) for Cuyahoga, Geauga, Lake, Lorain and Medina Counties
- Prescriptions for Wastewater Treatment (Prescriptions)
- Population Projections
- Policies for Utilizing, Maintaining, and Updating FPAs
- FPA Maps – Boundaries and Prescriptions



# Clean Water 2000 Plan - Chapter 4: Facility Planning Areas (FPAs)

- Region Divided into Areas (FPAs) for which Designated Management Agencies (DMAs) are Identified
- In NOACA's 208 Plan
  - Typically One Publicly Owned Treatment Works (POTW) per FPA
  - Designated Management Agency (DMA) = Owner or Operator of the POTW (Table 4-1)
  - Satellite DMA = Jurisdiction that Serves as the DMA for Areas Contained within the FPA of Another Jurisdiction (Table 4-2)
- DMAs Work with NOACA to Identify how Wastewater will be Treated in their Area for a Span of 20 years





# Willoughby – Eastlake FPA

- Willoughby – Eastlake Water Pollution Control Center (Facility)
- Willoughby – Eastlake FPA
- DMA = City of Willoughby
- Secondary DMAs =
  - City of Eastlake
  - Village of Lakeline
  - Village of Timberline
  - City of Willoughby Hills
  - Village of Waite Hills
- DMAs and NOACA Review and Evaluate Wastewater Needs and Options

# Clean Water 2000 Plan – Chapter 4: Prescriptions for Wastewater Treatment

“The wastewater management option(s) agreed upon by local communities and the agency responsible for the 208 plan and included in the 208 plan. Prescriptions should be based upon up-to-date planning information and represent current judgments about: when and where central sewer service will be provided within a defined geographic area; through what means; and by which management agency(ies).”

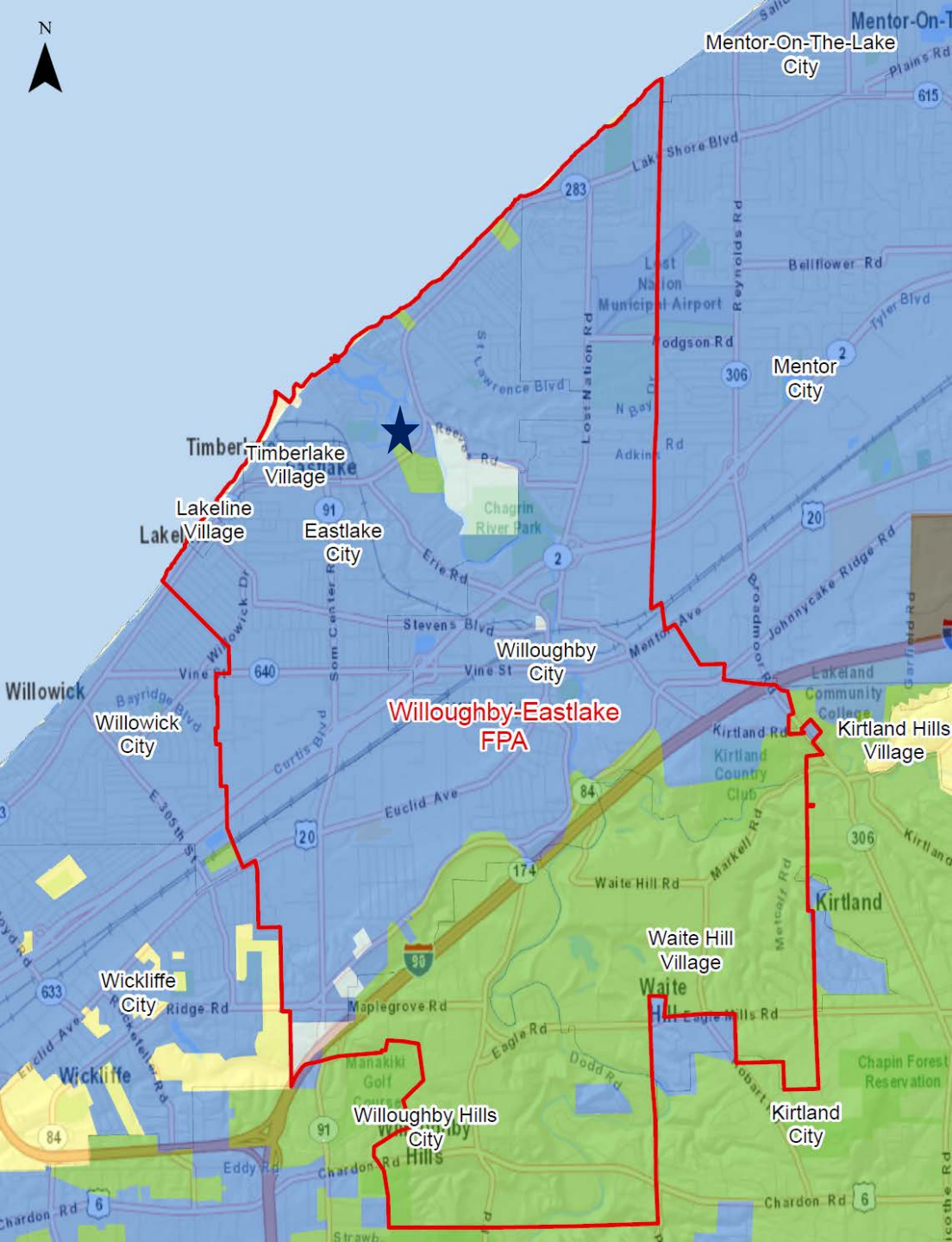
- Ohio EPA Division of Surface Water



# Clean Water 2000 Plan – Chapter 4







## Prescriptions for Wastewater Treatment

- Also Called in NOACA's Plan:
  - Community Plans for Wastewater Treatment
  - Wastewater Planning Options
  - Sewer Planning Options
- Prescriptions are Developed by the DMA in Consultation with Affected Local Jurisdictions
- Prescription Options:
  - Currently Sewered (Blue)
  - Sewers Expected Within 20 Years (Green)
  - Limited Sewers Likely Within 20 years (Light Blue)
  - On-Site Systems (Yellow)
  - Local wastewater planning options (Red)
  - Sewer Plan Undeclared (Black)



# Current Prescriptions for Wastewater Treatment in Willoughby-Eastlake FPA

## Current Prescriptions (2006)

-  Area Currently Sewered
-  Sewers Expected Within 20 Years
-  Limited Sewers Within 20 Years
-  Area To Be Served With On-Site Systems
-  Sewer Plan Undeclared
-  Facility Planning Area Boundary
-  Jurisdiction Boundary



# Clean Water 2000 Plan – Chapter 4

## Policies for Determining Consistency with 208 Plan

- Policy 4-1: DMAs and Current FPA Boundaries
  - Designated and Satellite (Secondary) DMAs
- Policy 4-2: Modification of FPA Boundaries
  - Maximum 90-day Comment Period Requirement
- Policy 4-3: Development of Local Wastewater Management Options
  - Prescriptions for Wastewater Treatment

# Clean Water 2000 Plan – Chapter 4

## Policies for Determining Consistency with 208 Plan

- Policy 4-4: 208 Plan Consistency Actions by Ohio EPA and USEPA
  - Clean Water Plan Permits, Grants and Loans
- Policy 4-5: Utilization of Areawide Population
  - Updated After Each U.S. Census
- Policy 4-6: Modification of FPAs of DMAs
  - Transfer of Lead Responsibility for Sewer Planning
- Policy 4-7: Nomination of New Designated Management Agencies
  - Facility Plan Must Be Approved by Ohio EPA

# Parcel-Level FPA Map Updates

- NOACA is in the Process of Updating ALL FPA Maps
  - Align FPA Boundaries and Prescriptions with Parcel Boundary Lines
  - Consider Topography, Existing Infrastructure, Watersheds, Service Agreements and Other Data
  - Meeting with DMAs
  - Consensus of the DMAs for the Updated FPA Boundaries and Prescriptions
  - Completed Geauga County (2013) and Medina County (2015)

# Medina County Old FPA Boundary and Prescriptions for Wastewater Treatment

## Old Prescriptions (2007)

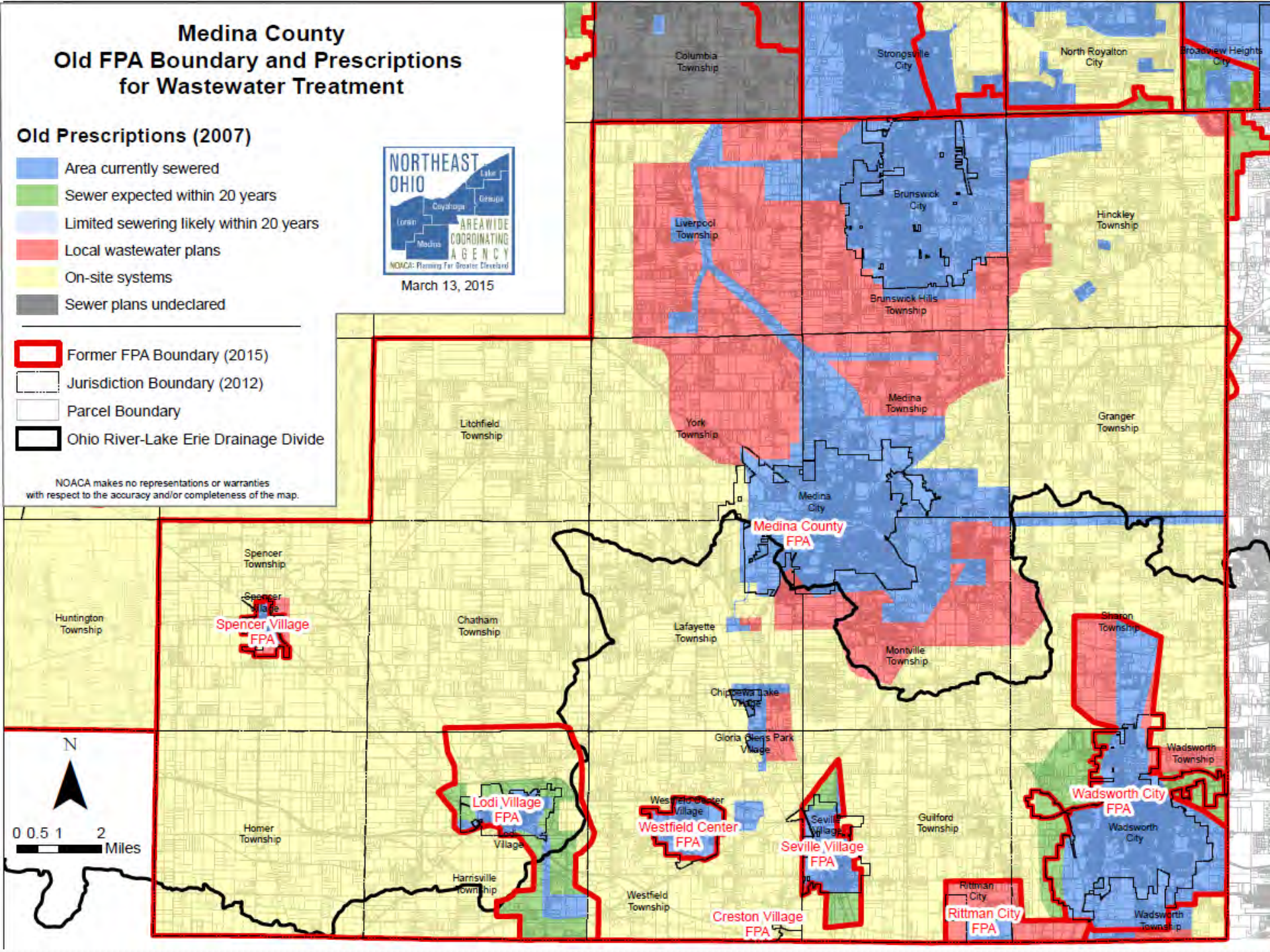
- Area currently sewered
- Sewer expected within 20 years
- Limited sewerling likely within 20 years
- Local wastewater plans
- On-site systems
- Sewer plans undeclared



March 13, 2015

- Former FPA Boundary (2015)
- Jurisdiction Boundary (2012)
- Parcel Boundary
- Ohio River-Lake Erie Drainage Divide

NOACA makes no representations or warranties with respect to the accuracy and/or completeness of the map.



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# Medina County New FPA Boundary and Prescriptions for Wastewater Treatment

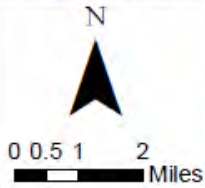
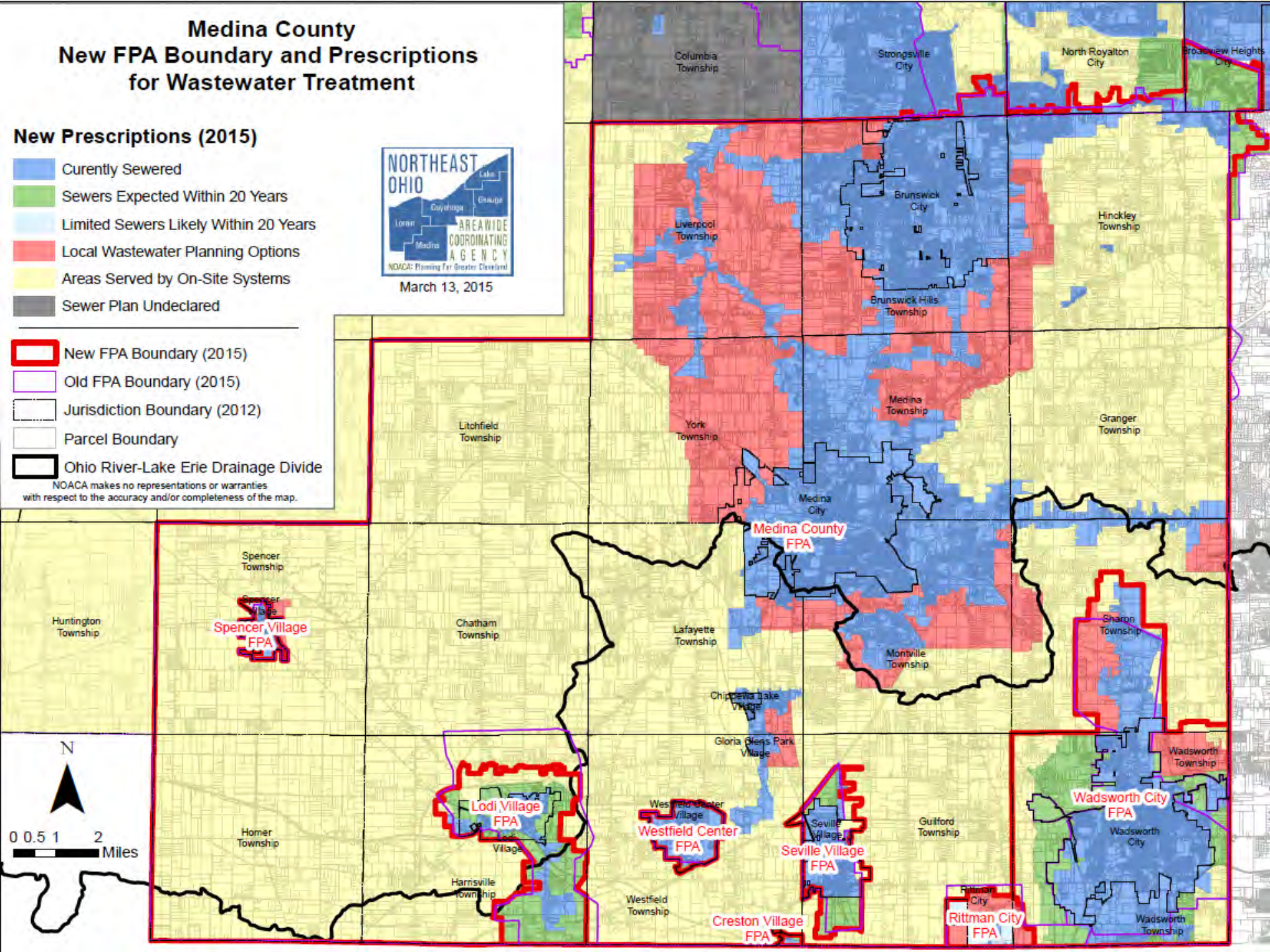
## New Prescriptions (2015)

- Currently Sewered
- Sewers Expected Within 20 Years
- Limited Sewers Likely Within 20 Years
- Local Wastewater Planning Options
- Areas Served by On-Site Systems
- Sewer Plan Undeclared



March 13, 2015

- New FPA Boundary (2015)
  - Old FPA Boundary (2015)
  - Jurisdiction Boundary (2012)
  - Parcel Boundary
  - Ohio River-Lake Erie Drainage Divide
- NOACA makes no representations or warranties with respect to the accuracy and/or completeness of the map.



# FPA vs. Service Areas or Agreements:

- **Facility Planning Area:**

- “A discrete geographical planning area of sufficient scope to allow for analysis of various alternatives for the treatment and disposal of wastewater.”  
– Clean Water 2000 Plan
- Not intended to be a service area.

- **Service Area:**

- “A discrete geographic area within which a specific governmental jurisdiction or other entity has the authority and major infrastructure needs in place to provide for the collection and treatment of sewage. The collection and/or treatment of sewage may be provided through legally executed contracts for such services, or other forms of intergovernmental agreements deemed acceptable to the parties involved”

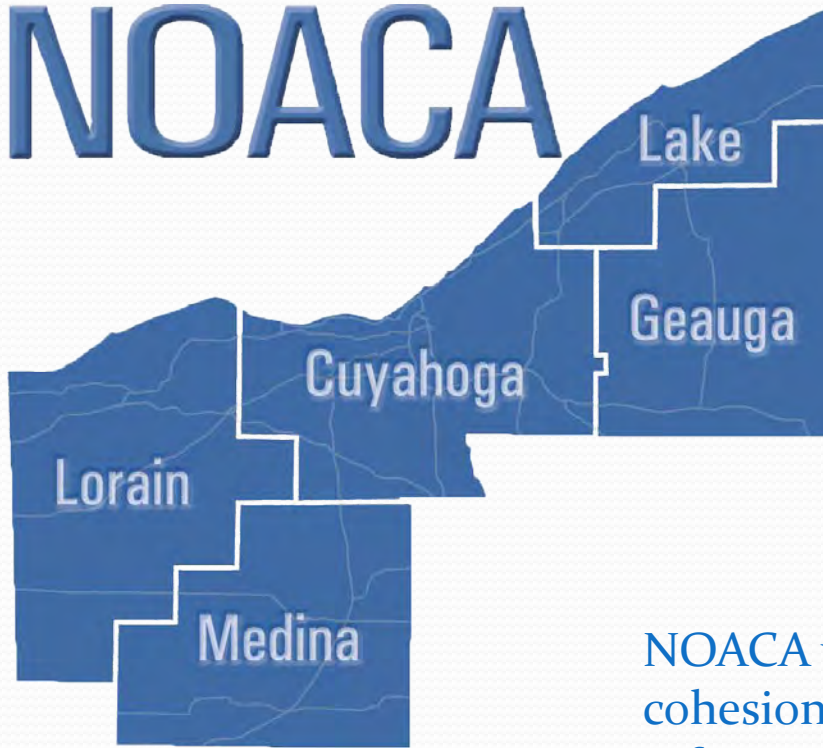
-The Ohio EPA Division of Surface Water



# FPA vs. Service Areas or Agreements:

- Service Areas Should be Entirely Within the FPA(s) of the Treatment Plant Accepting the Wastewater.
- A Service Area can Include Multiple Service Agreements.
- An FPA can Contain Multiple Service Areas and Service Agreements.
- Service Agreements may be Needed by a Designated Management Agency to Extend their Service Area within their FPA, but Outside of their Jurisdictional Authority.
- When Updating Service Agreements, the FPA Boundary should be Checked to see if an Update is Needed.

# NOACA



NOACA will **STRENGTHEN** regional cohesion, **PRESERVE** existing infrastructure, and **BUILD** a sustainable multimodal transportation system to **SUPPORT** economic development and **ENHANCE** quality of life in Northeast Ohio.