



Village of Bellaire

Public Water System Lead (Pb) Components

PWSID# OH-0700114
Prepared February 2017

To comply with Section 6109.121 of the Ohio Revised Code, enacted in September 2016, the Village of Bellaire in Belmont County, Ohio has created the following report and attached map to identify known and potential components of water service lines that contain lead (Pb).

RCAP staff and the Village of Bellaire Water Department met on February 10th, 2017 to review a map of the service area. A list of known locations of lead service lines (LSLs) that are still being used, and locations where LSLs have been replaced were compiled by the Village of Bellaire Water Department. That list only accounted for about 5% of the service lines in the system. No applicable historical maintenance and operation records, tap cards, or as-builts were available to identify other LSL locations.

Public and Private Ownership of Service Lines

The Village owns and maintains service lines from the water distribution mains up to the curb stops. The remainder of each service line from the curb stop to the building is considered private property and is the responsibility of the property owner.

Known and Probable LSLs

The tables below provide information about the estimated number of LSLs serving the customers of Bellaire Water. The year the structure was built, the year plumbing material was installed, or staff knowledge determines which category it falls into.

Public LSL Probability		
Value	Public Lines #	% of System
Non-Lead	646	28.47%
≤ 8% Lead Alloy	42	1.85%
Very Low (1981-1997)	71	3.13%
Mild (1951-1980)	115	5.07%
Moderate (1921-1950)	251	11.06%
Unconfirmed Public LSLs (1825-1920)	1002	44.16%
Confirmed Public LSLs	47	2.07%
No Data	95	4.19%

Private LSL Probability		
Value	Private #	% of System
Non-Lead	643	28.34%
≤ 8% Lead Alloy	42	1.85%
Very Low (1981-1997)	71	3.13%
Mild (1951-1980)	115	5.07%
Moderate (1921-1950)	251	11.06%
Unconfirmed LSLs (1825-1920)	1002	44.16%
Confirmed LSLs	50	2.20%
No Data	95	4.19%

The majority of the non-lead service lines in Bellaire are confined to three areas. West Bellaire is said to have had an ordinance or some sort of agreement that stated service lines could not be made of lead when homes were built. No one has been able to produce a document to prove this; however, to date the current staff has not discovered any LSLs in West Bellaire. West Bellaire has 426 services. Water Department staff has never discovered or known of any LSLs to exist in 80 services west of Mt. Calvary Cemetery on State Route 214. Brookfield subdivision has recently had all main and service waterlines replaced with plastic. There are 83 services in that area.

Throughout the rest of town the majority of the services are thought to be made of lead. If an LSL is exposed, Bellaire Water Department replaces it. When informed, most customers replace their portion of the LSL as well. Bellaire does its best to educate the homeowner and explain that they will likely have high



lead levels until the lead pipe is recoated. Bellaire does not add orthophosphates to prevent corrosion, they use lime instead. Below is a picture of a recently replaced LSL in Bellaire. The lime coating can be seen.

Until recently, the Bellaire Water Department has not kept records on the presence or replacement of LSLs. Since Gary Zavatsky became water treatment plant manager 1 year and 4 months ago, Bellaire has replaced 55 LSLs throughout the distribution system and has a list of 47 more that will be replaced as time and funds become available.

Distribution System

The Village of Bellaire has approximately 27 miles of water main lines. Within the distribution system, it is unknown if any of the water main pipes themselves are made of lead. The possibility cannot be ruled out. Since there is little information about pipe materials for the majority of the system, an estimate of how much of the system may contain leaded components is impossible to determine.

Customer Self-Reporting

The information on this map regarding privately owned service lines is based on the limited information from the water system staff and Belmont County building and parcel data. Property owners are encouraged to inspect their own service lines entering the building if these are in anyway exposed, and notify the Village of Bellaire if they have determined whether or not a lead service line exists. Please contact the Water Billing Clerk by calling 740-676-6537. A representative from the water department will contact you to confirm and update this information for the next map release.

Contacts and Resources

If you have questions about known and potential lead components within the Village of Bellaire Public Water System, please contact:

Bellaire Water Department
3197 Belmont Street
Bellaire, Ohio 43906
Phone: 740-676-6537

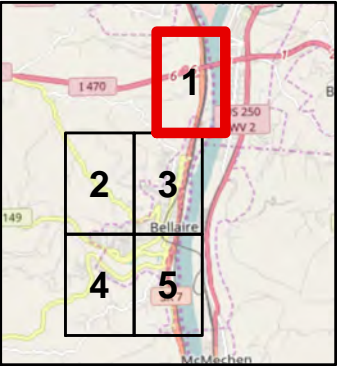
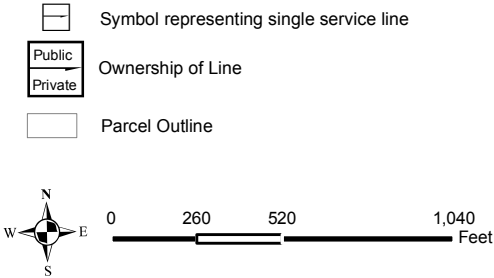
For more information about lead service lines and their removal, we recommend the following resources:

- **The Lead Service Line Replacement Collaborative**
<http://www.lslr-collaborative.org/resources-for-concerned-consumers.html>
- **Ohio EPA 'Learn About Lead' page** <http://epa.ohio.gov/pic/lead.aspx>
- **US EPA Lead in Drinking Water Information Page**
<https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water>



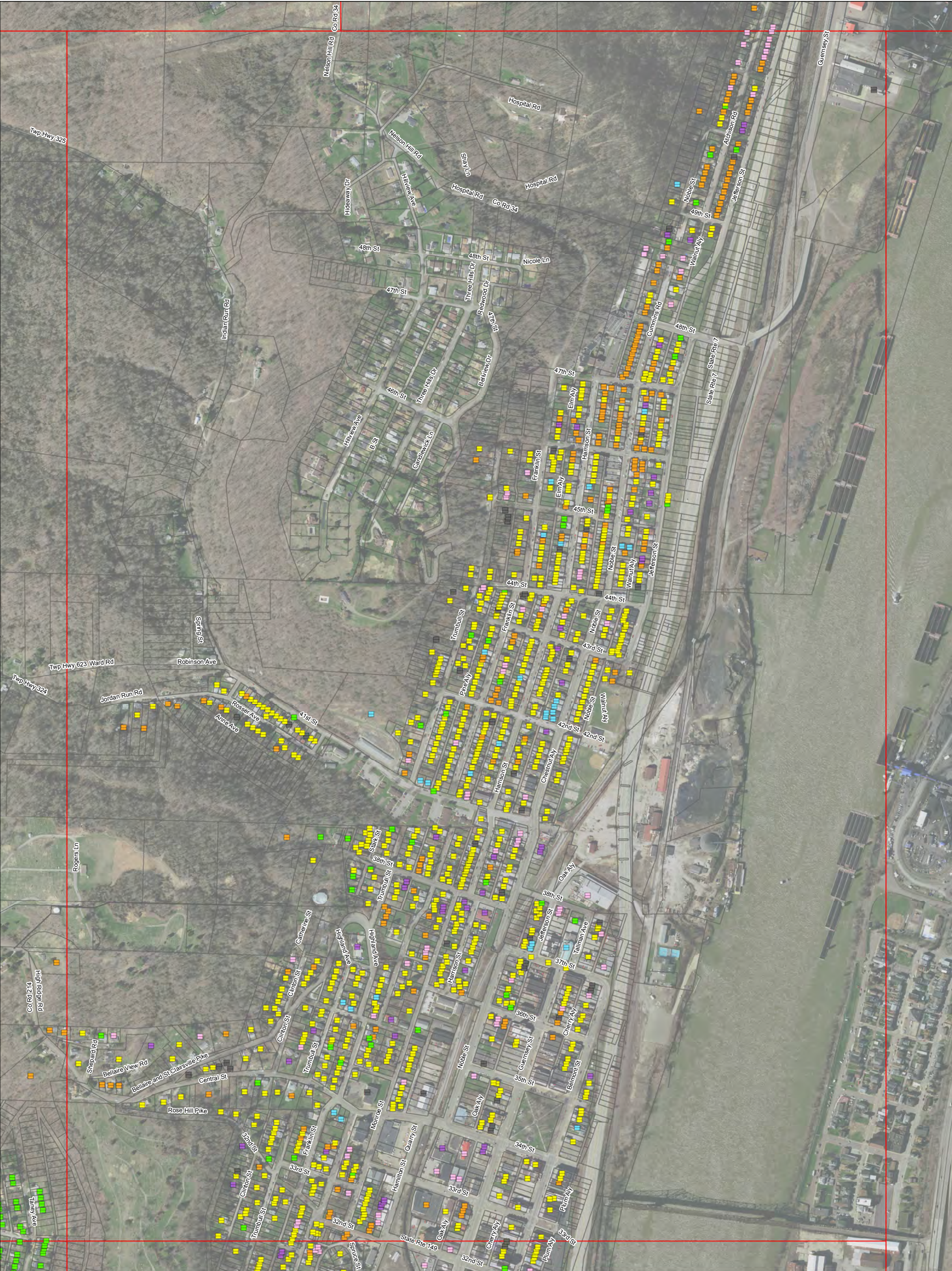
Bellaire OH, Lead Service Line Probability PWS OH-0700114

- Material of Service Line Known**
- Lead
 - ≤ 8% Alloy (1998-2013)
 - Non-Lead
- Probability of Lead Service Line**
Determined by year structure was built
- Very High (1921-1950)
 - Mild (1951- 1980)
 - Very Low (1981-1997)
 - No Data



This map does not verify the presence of lead in any of the lines or structures shown. This map only shows the probable or possible locations based on the year that the structure was built, historical maintenance and operation records, and customer or utility staff verification. This map is not intended for design engineering, surveying, or construction purposes. Information and data contained or accessed within this map emanates from various public and private sources and may contain errors and omissions. This map remains under development and is subject to change with or without notice. All data, information and documentation within this map are provided "as is" without warranty of any kind, either expressed or implied. The suitability of the data and information contained in this map is not guaranteed, and the user assumes all risk for such uses. WSOS Community Action and its employees, affiliates, agents and licensors cannot and do not warrant the accuracy, completeness, non-infringement, merchantability or fitness of any information contained within this map. All questions, comments and data errors should be directed to Ohio RCAP by phone at 330-329-9951 or by email at bdbeyeler@wsos.org. NAD 1983 Ohio St Plane S. (ft). Source: Belmont County Auditor, OGRIP, RCAP GIS. February 2017





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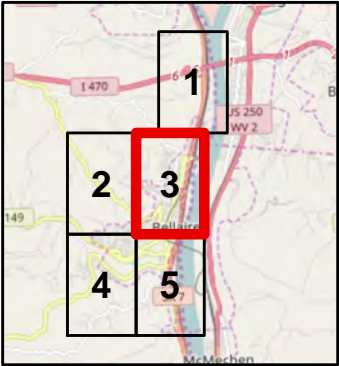
Determined by year structure was built

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- Mild (1951- 1980)
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- No Data

- Symbol representing single service line
- Ownership of Line
- Parcel Outline

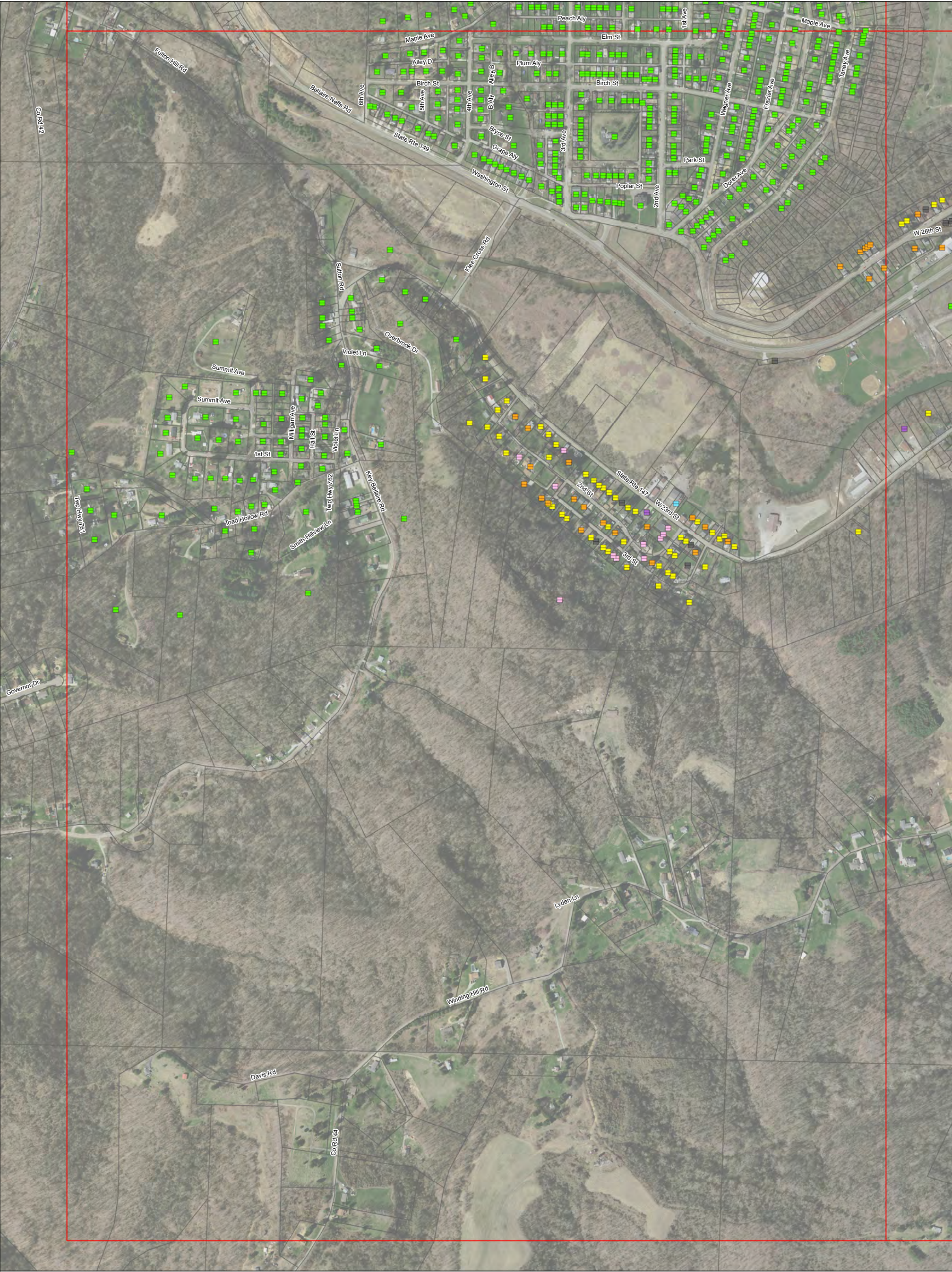


0 260 520 1,040 Feet



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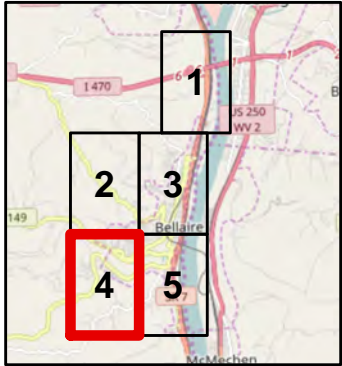
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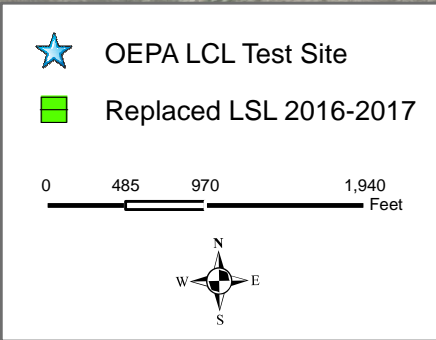
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Bellaire, OH OEPA LCL Test Sites¹ and Replaced LSLs²



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