Bridgeport, Ohio
Public Water System Lead (Pb) Components
PWSID# OH7600612 Prepared March 6, 2017

To comply with Section 6109.21 of the Ohio Revised Code, enacted in September 2016, Village of Bridgeport 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).

The following information and attached map do not verify the presence of lead in any of the plumbing components or structures shown. The information and map only show the probable or possible locations based on the year that structures were built, or by the year that the plumbing component was installed.

RCAP staff and the Village of Bridgeport Water Department met in February 2017 to review a map of the service area. No applicable historical maintenance and operation records, tap cards, or as-builts were available to identify lead component locations. Locations where lead service components have been replaced, and locations where lead components are likely still being used, were identified by the Village of Bridgeport Department and recorded in a GIS database.

The digital maps provided depicts the parcels the public water system serves, possible locations that may contain lead materials, and residential structure plumbing that may contain lead solder and flux based on structure construction date. The Village of Bridgeport has discovered lead service lines on both the public and private side of the water system. Based on the age and or material of infrastructure, there is a moderate probability that some of the older infrastructure may or may not contain a lead service connection on the public water side of the distribution system.

Public and Private Ownership of Service Lines

The Village of Bridgeport distributes water to approximately 1,200 customers among 1,700 parcels in the service area. The Village of Bridgeport owns and maintains service lines from the water distribution mains up to the curb stop for each water customer. The remainder of each service line from the curb stop to the building is the responsibility of the property owner. The public service lines were identified as having a moderate probability of lead is based on the material and or age of the infrastructure.

The tables summarize the probability of lead service lines on the public side and private side. The age of the infrastructure, year of replacement projects and or pipe material determines which category each service line was assigned.

Public Service Line Lead Probability		
Possibility of Lead	**Public Lines #**	**% of System**
Non Lead	912	70%
Moderate Probability	391	30%

Private Service Line Lead Probability		
Possibility of Lead	**Private #**	**% of System**
Non-Lead	912	70%
Moderate Probability	391	30%

Distribution System

Within the distribution system, none of the main lines themselves are known to contain any lead, however, there may be joints, valves, and fittings within the system that may contain lead on some of the older mains. Meters installed after 2014 will have less than 0.25% lead.

In the Village of Bridgeport, a chemical (orthophosphate) is fed to coat the lines so that the water does not contact the pipe. This is what is referred to as Bridgeport's "Corrosion Control Technique". Since the water does not directly contact the pipe, no pipe material can leach into the water. The Village of Bridgeport has approximately 15.7 miles of water main lines.

Indoor Plumbing

Buildings in Ohio built prior to 1998 or that use plumbing material or solder manufactured before 1998 may have materials with greater than 8% lead and are at a higher risk of contributing lead to the drinking water than materials manufactured after 1998.

Buildings built and plumbing materials manufactured after 2014 were required to have less than 0.25% lead by weight and have the lowest risk for contributing lead to the drinking water. It should be noted however that, although prohibited, some use of leaded solder or leaded components may have occurred after the prohibitions became effective.

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 Bridgeport Water Department if they have determined whether or not a lead service line exists. Please contact the Village of Bridgeport Water Department by calling 740-635-2424 or email bridgeportwater@comcast.net. 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 Bridgeport Water System, please contact:

James Zorbini, Superintendent
301 Main Street Bridgeport, Ohio 43912
740-635-2424

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

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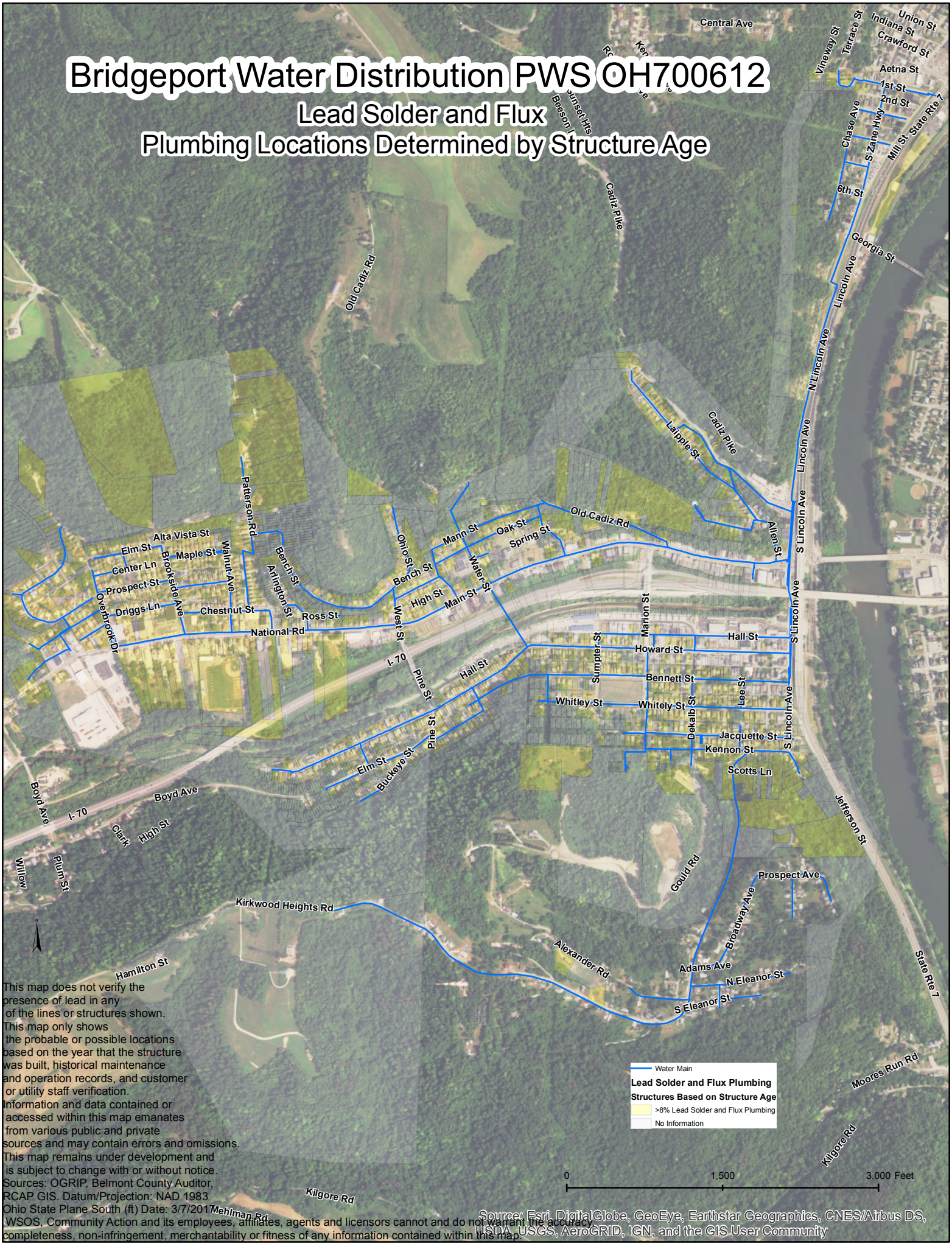
Lead Solder and Flux

Plumbing Locations Determined by Structure Age



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. 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. Sources: OGRIP, Belmont County Auditor, RCAP GIS. Datum/Projection: NAD 1983 Ohio State Plane South (ft) Date: 3/7/2017

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Probability of Lead Service Lines

Water Main

Probability of Lead Service Lines

No Lead

Moderate

Ownership of Lateral

Public Private

0 1,500 3,000 Feet

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