

Huber Customers-Lead Analysis

- Huber Water Service Prior to 1986
- Huber Water Service 1986-1998
- Huber Water Service 1998 to Present
- Huber Heights Water Mains
- Huber Heights Corporation Line

Explanation of Lead Service Analysis Symbology

- No Lead on Public Side/Possibility of Lead Solder on Private Side
- No Lead on Public Side/Not Likely for Lead Solder on Private Side
- No Lead on Public Side/No Lead Solder on Private Side

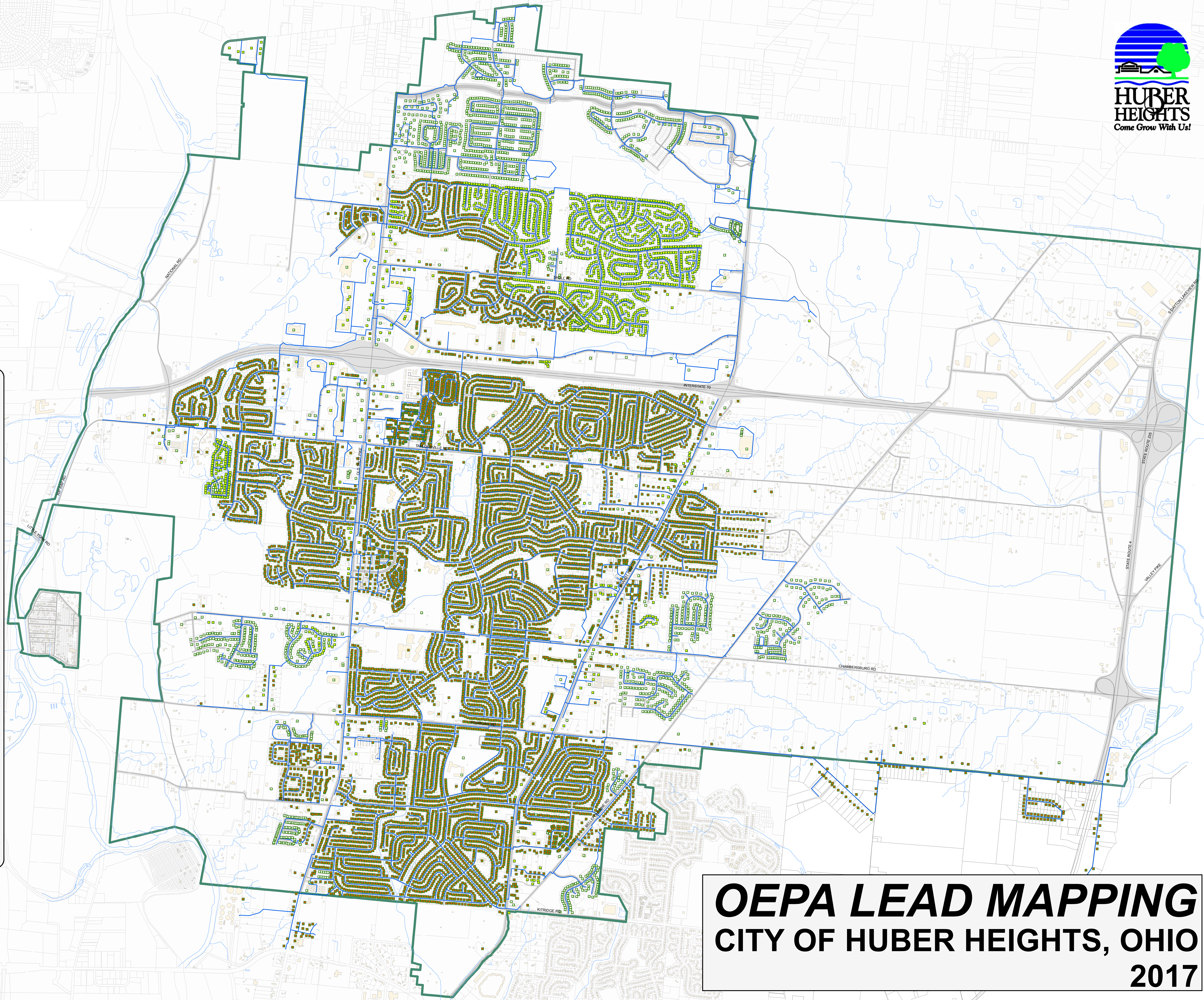
Huber Service Prior to 1986* -
Buildings constructed and/or connected to the Huber Heights Water System prior to the 1986 Lead Service Ban, may have lead solder on the Customer side of the service even though Huber Heights has no indication lead was used.

Huber Service 1986 to 1998* -
Buildings constructed and/or connected to the Huber Heights Water System after the 1986 Lead Service Ban but prior to the 1998 Ohio Plumbing Code changes, may have lead solder on the Customer side of the service even though Huber Heights has no indication lead was used.

Huber Service after 1998* -
Buildings constructed and/or connected to the Huber Heights Water System after the 1998 Ohio Plumbing Code changes should not have lead solder.

***Note: Year of service connection is not known. Dates shown for age of water service were taken from year of building completion or year of water main installation, whichever was earliest.**

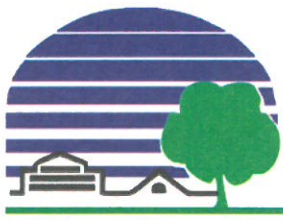
Note:
Water Main Material - Ductile Cast Iron, Cast Iron, Prestressed Concrete
Service Line Material - Copper



OEPA LEAD MAPPING

CITY OF HUBER HEIGHTS, OHIO

2017



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**HUBER
HEIGHTS**
Come Grow With Us!

February 23, 2017

Lead Mapping Methodology and Layers

Every attempt has been made to clearly depict the possibility of lead solder in Huber Heights Customers' water services. There are some limitations in records and other available data. Therefore, the following is an explanation of how the dates and other information were compiled for the Lead Mapping project.

The City of Huber Heights has approximately 18,000 parcels, with almost 16,000 active water services. Water main installation of the public system began around 1956 when one main developer, Charles Huber, began building brick homes in platted areas as well as the infrastructure to support the development. It was Huber's practice from the beginning to install copper service lines for his homes.

The date of installation for the water services is not available from the current billing system. However, the installation year of the water mains is in the City's Geographic Information System (GIS). Also, County records of the year the buildings were constructed is available on 90% of the buildings. Therefore, if the "year built" for the building was prior to 1956, the year shown on the Lead Mapping is when the water main was installed and water service was available. The indicated date may be prior to actually connecting to the public water source, but this approach was used to clearly show the possibility of lead.

The symbols for the connections for each service are shown on the map in three groups.

- Buildings constructed and/or connected to the water system prior to 1986 have been found to have copper service lines (and a small number of galvanized) on the Public (Huber Heights) side. The Customer side symbol indicates there is a possibility of solder due strictly by the estimated age of the service since the City does not have authority on installation and inspection on the Customer-side of the service line. No lead solder has been found and/or documented by the City or representatives of the City.
- Buildings constructed and/or connected to the water system between 1986 and 1998 have been found to have copper service lines on the Public (Huber Heights) side. The Customer side symbol indicates it is unlikely there is any lead solder due to the 1986 amendments to the Safe Drinking Water Act, prohibiting the use of pipes, solder or flux that were not "lead free" in public water systems, yet the installation was prior to the 1998 changes concerning lead in the Ohio Plumbing Code. Once again the City does not have authority on installation and inspection on the Customer-side of the service line.
- Buildings constructed and/or connected to the water system after 1998 have copper service lines on the Public (Huber Heights) side and there is no indication by both code and field observation that lead solder exists.

Building outlines on the Lead Mapping are shown where data is available. The most recent growth in housing has been on the north side of Huber in Miami County where building footprints are not available. Approximately 95% of the water services in the City of Huber Heights' Water System serve residential buildings; the majority of the single family residences are one story brick homes.

**VERIFICATION FORM FOR COMMUNITY PUBLIC WATER SYSTEMS
CLAIMING NO LEAD SERVICE LINES**

The owner or operator of all community public water systems must identify and map areas of their distribution system that are known or are likely to contain lead service lines. Systems must submit a copy of the applicable map to the Ohio Department of Health and the Ohio Department of Job and Family Services. Systems must also submit a report to the director containing at least both of the following: (1) The applicable map with narrative, and (2) A list of sampling locations used to collect samples as required by Ohio Revised Code (ORC) Section 6109.121 and any rules adopted thereunder, including contact information for the owner and occupant of each sampling site.

Should a water system determine no lead service lines exist in their distribution system, they must provide information stating they reviewed, at the minimum, historical permit records and local ordinances, distribution maintenance records and information pertaining to installation dates or materials for all services lines. This information must be verified below.

I HEREBY CERTIFY THAT THE FOLLOWING METHOD(S) WERE USED TO DETERMINE NO LEAD SERVICE LINES EXIST IN THIS WATER SYSTEM'S DISTRIBUTION SYSTEM, AS REQUIRED BY ORC 6109.121(F):

LEAD SERVICE LINE VERIFICATION
<p>This PWS states they have no lead service lines and has reviewed the following information (select one or more of the following):</p> <ul style="list-style-type: none"><input type="checkbox"/> Historical permit records and/or local ordinances<input checked="" type="checkbox"/> Distribution maintenance records (i.e. meter replacement, waterline break repairs)<input checked="" type="checkbox"/> Information pertaining to installation dates for all service lines (i.e. after 1986 when lead services lines were banned)<input checked="" type="checkbox"/> Service line material of all service lines is known (i.e. all service lines are known to be PVC)

Russell A. Bergman, P.E. 2/24/17
Signature of Responsible Person Date

RUSSELL A. BERGMAN, P.E., CITY ENGINEER
Printed Name and Title of Responsible Person

PWS NAME: HUBER HEIGHTS
PWS ID: OH 5702012
COUNTY: MONTGOMERY, MIAMI AND GREENE

<p>For Ohio EPA use only:</p> <p>Date Verification Rec'd: _____</p>
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