

## Lead Content Information and Map Development

Narrative: PWS OH8345912 Massie Wayne Distribution System

The structures served by this PWS are grouped into three (3) distinct categories based on the date of construction listed in the Warren County Auditor's Records and the following interpretation of the general end dates of eras after which lead solder was banned, lead content was limited, or lead content was essentially eliminated.

Because it is practically impossible to determine the lead content of an installed fixture, fitting or pipe, it is assumed that the date of installation (first listed date of home construction) and age of water main servicing those buildings will be used as the two (2) primary indicators of potential lead content. Buildings constructed in OHIO prior to 1988 could contain lead pipe and/or lead based solder, buildings constructed prior to 1998, or utilized plumbing materials or solder manufactured before 1998 may contain materials with greater than 8% lead content and are at a higher risk of contributing lead to the drinking water than materials manufactured after 1998. In addition, buildings constructed after 2014 which incorporated plumbing materials manufactured after 2014, which were required to contain less than 0.25% lead by weight, will have the lowest risk for contributing lead to the drinking water. It should be noted that, although prohibited by law, some use of leaded solder or lead bearing components may have occurred after the prohibition became effective.

Based on this criteria, we have identified (by map color code) the following divisions of potential for private side lead component content:

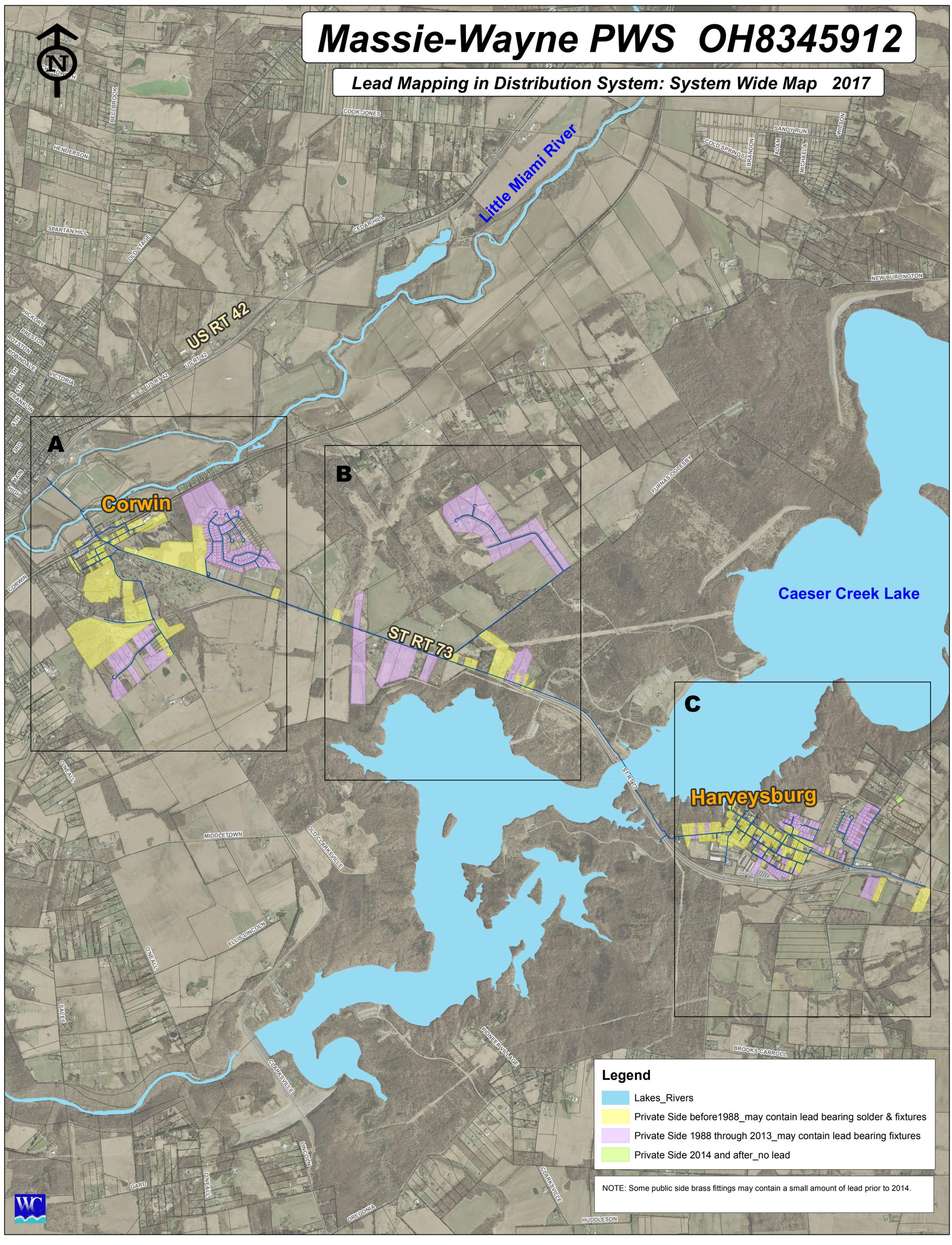
-  Homes Constructed Before 1988 on Water Line installed after 1960
-  Homes Constructed After 1988 but Before 2014
-  Homes Constructed After 2014

The public side service lines in this PWS should all be K Type copper tubing with brass corp stops, angle valves, water meters and other appurtenances. This is based on the understanding that all water mains in this PWS were either replaced or constructed after 1983. All of the public side brass appurtenances installed through 2013 have the potential to contain some lead content.

END

# Massie-Wayne PWS OH8345912

Lead Mapping in Distribution System: System Wide Map 2017



**Legend**

- Lakes\_Rivers
- Private Side before 1988\_may contain lead bearing solder & fixtures
- Private Side 1988 through 2013\_may contain lead bearing fixtures
- Private Side 2014 and after\_no lead

NOTE: Some public side brass fittings may contain a small amount of lead prior to 2014.



# Massie-Wayne PWS OH8345912

Lead Mapping in Distribution System: Detail Map A 2017

A

Little Miami River

Corwin

Corwin Avenue

Cemetery

ST RT 73

### Legend

-  Lakes\_Rivers
-  Private Side before1988\_may contain lead bearing solder & fixtures
-  Private Side 1988 through 2013\_may contain lead bearing fixtures
-  Private Side 2014 and after\_no lead

NOTE: Public side taps typically consist of K type copper line. Some public side brass fittings may contain a small amount of lead prior to 2014.

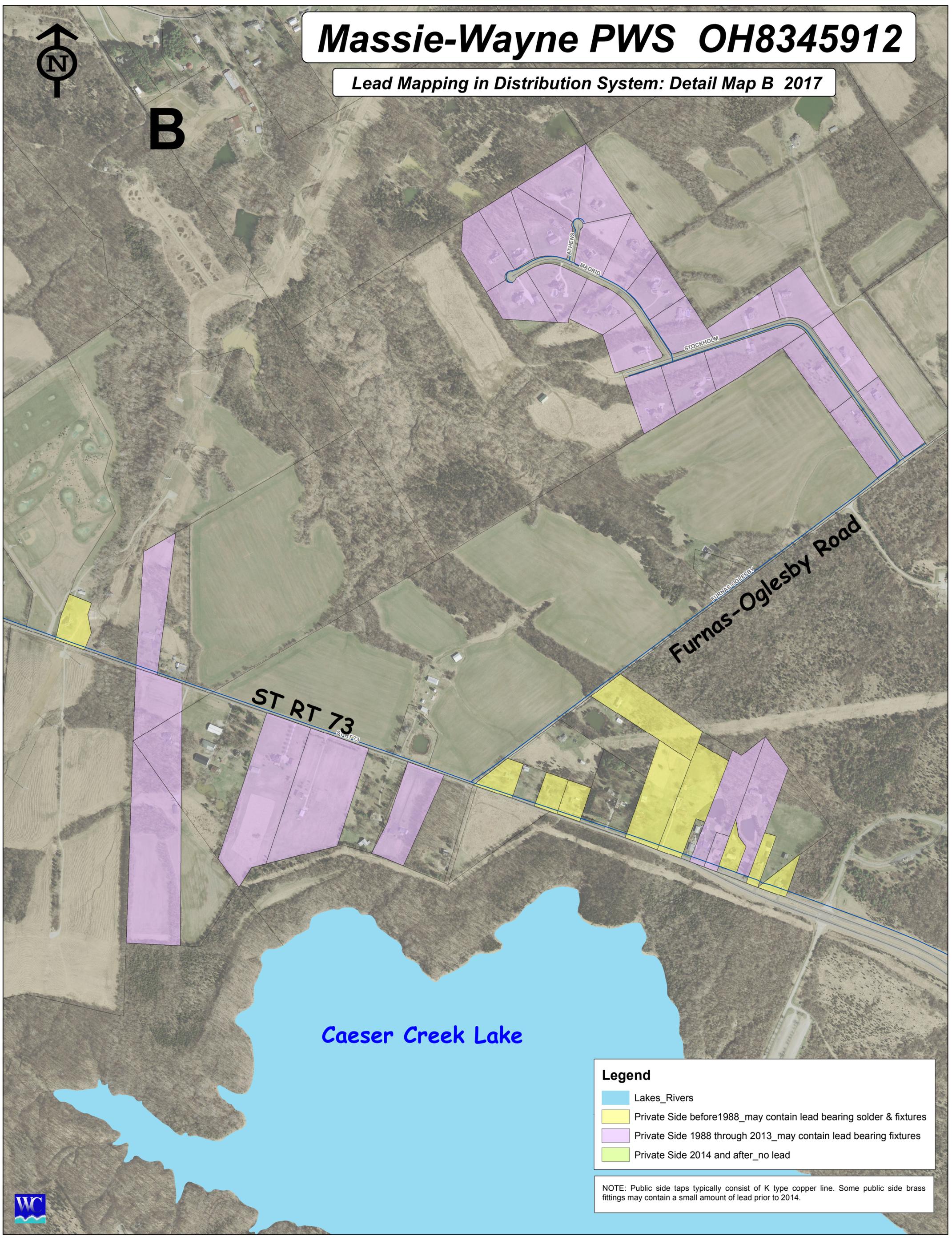


# Massie-Wayne PWS OH8345912

Lead Mapping in Distribution System: Detail Map B 2017



## B



### Legend

-  Lakes\_Rivers
-  Private Side before 1988\_may contain lead bearing solder & fixtures
-  Private Side 1988 through 2013\_may contain lead bearing fixtures
-  Private Side 2014 and after\_no lead

NOTE: Public side taps typically consist of K type copper line. Some public side brass fittings may contain a small amount of lead prior to 2014.



# Massie-Wayne PWS OH8345912

Lead Mapping in Distribution System: Detail Map C 2017



# C

Caeser Creek Lake

Harveysburg

Harveysburg Road

ST RT 73

### Legend

-  Lakes\_Rivers
-  Private Side before 1988\_may contain lead bearing solder & fixtures
-  Private Side 1988 through 2013\_may contain lead bearing fixtures
-  Private Side 2014 and after\_no lead

NOTE: Public side taps typically consist of K type copper line. Some public side brass fittings may contain a small amount of lead prior to 2014.

