Tupper Plains-Chester Water District
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Lead and Copper Mapping Report
PWS ID: 5300612
March 1, 2017

I. System Overview

The Tuppers Plains Chester Water District was first created in December 1966 by the Orange Township Trustees in Meigs County. The District has been in operation for more than 50 years. As of this date, there are approximately 600 miles of waterline serving at least 5300 homes to more than 13,000 people. Our service area consists of 15 townships located within Athens and Meigs Counties in southeast Ohio. Service is provided to mostly residential customers but also includes a small number of commercial, industry, and small governmental buildings.

II. Distribution Makeup

The material makeup of all our piping distribution system is made up of Cement Asbestos, Ductile Iron, PVC, HDPE, Steel, Copper, and Polyethylene. No lead service lines have ever been found on the system and no specification has ever been made to allow its existence on our distribution system. The verification form required for public water systems is enclosed.

III. Lead / Copper Map Outline

1. Distribution and General Location of Tuppers Plains Chester Water System
2. Reference Guide to maps enclosed in report by township
3. Map Pages 1 – 15 showing the water system by township with an assigned risk level of exposure. Also provides the last Tier #1 Lead & Copper Sample Sites.

IV. Explanation of Lead / Copper Mapping

The purpose of this mapping report is to help define locations in our service area that may be a potential risk for lead poisoning in water piping. As mentioned above, the District has never used or installed lead pipes to serve any location water. This however does not eliminate lead in water that has been contaminated by indoor plumbing in homes. Data on indoor plumbing is very limited and can only be obtained from the customers themselves. Information regarding when their home was built would help make this report more defined but more time is required to obtain such data.

With that being said, there is some information that the water district can provide that can be used as a tool to help determine areas that may be at a higher risk for lead contamination. There are always exceptions and different circumstances that come into play when trying to map data of such magnitude. The data provided by the District is a work in progress and we are always in the process of updating information, whether it is old data or new data. Our goal here by providing the enclosed maps is to assist in determining whether or not a customer should be concerned with lead poisoning in their water. By using what data we can provide and that from what a customer can provide, a better determination can be made and whether or not a customer should examine more closely into potential lead exposure.

The data used in this report is based off what year the main waterlines were installed or made available for use. On each map, listed in the Legend, you will find five different categories representing the years the waterlines were installed. We then assessed a risk level to each group based off when lead was used in manufacturing and when it was banned. Each category is described below.

1. Undetermined At This Time: This group represents the data that is a work-in progress, meaning that an installed date has not been assigned to that waterline as of the date of this report.

2. 1968 - 1988 High Risk: This group represents the year the District started operating and goes up to the year that lead was banned. Any existing homes built prior or during this time frame, may have the highest risk for lead piping in their homes.

3. 1988 - 1998 Medium Risk: This represents the "phase out or transition period" in which lead may or may have not been being used in new home constructions. Mainly materials in stock that hasn't been used yet or discarded.

4. 1999 - 2014 Low Risk: This group represents the time in which lead materials should have been completely phased out. However, there is a small chance that lead may be found in solder or other components used in plumbing.

5. 2014 - 2017 No Risk: The time frame in which the manufacturing of lead in any materials is completely prohibited. Any new home built at this time should not contain any lead and if so, should be less than the 0.2% required.

It is important to remember that there are always exceptions to the data provided. One major aspect to consider is when a home was built. Since that information is not available to us at this time, we have no way of knowing if a customer is considered high risk or not. If a home was built in the last 3 years and is served off a waterline that was installed in 1969, it would actually fall into the "No Risk" category since the construction was dated well after the time lead was ban. For this reason, to make the best judgement on whether or not to be concerned with lead in your water requires more information and research from several different sources. It is important to the District that our entire customer base has safe drinking water and is willing to help those who are concerned with as much information as possible.

V. Future Outlook For Our Lead / Copper Mapping

Our goal is to be able to provide more accurate mapping by collecting more data from our customer base. Reaching out to our customers, perhaps with a survey or letter of some sort, can help with our data collection process. It would also be valuable if we could obtain information from our county auditors on when homes were built. Being able to assess a piece of property to a risk level would be more informative to customers, especially if the customer is moving into the area and purchasing an older home. There is always room for improvement and we hope to be able to move forward in providing useful but important mapping for all those who would find it valuable.

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
This PWS states they have no lead service lines and has reviewed the following information (select one or more of the following): ☐ Historical permit records and/or local ordinances ☐ Distribution maintenance records (i.e. meter replacement, waterline break repairs) ☐ Information pertaining to installation dates for all service lines (i.e. after 1986 when lead services lines were banned) ☒ Service line material of all service lines is known (i.e. all service lines are known to be PVC, Polyethylene, or a few Copper ones)

Donald Poole 2-27-17

Signature of Responsible Person Date

Donald C Poole, General Manager

Printed Name and Title of Responsible Person

PWS NAME: Tuppers Plains Chester Water District

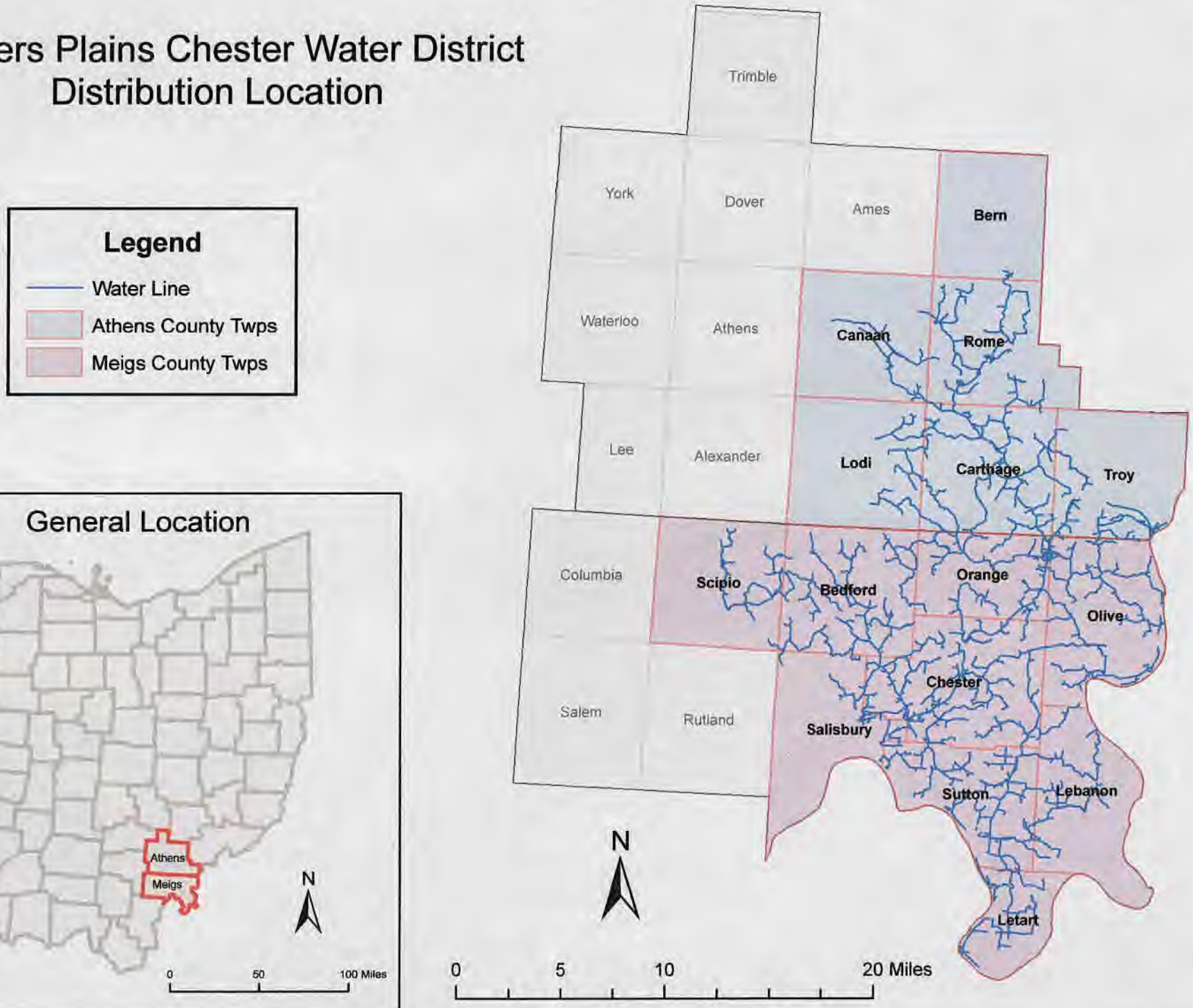
PWS ID: OH 5300612

COUNTY: Meigs / Athens

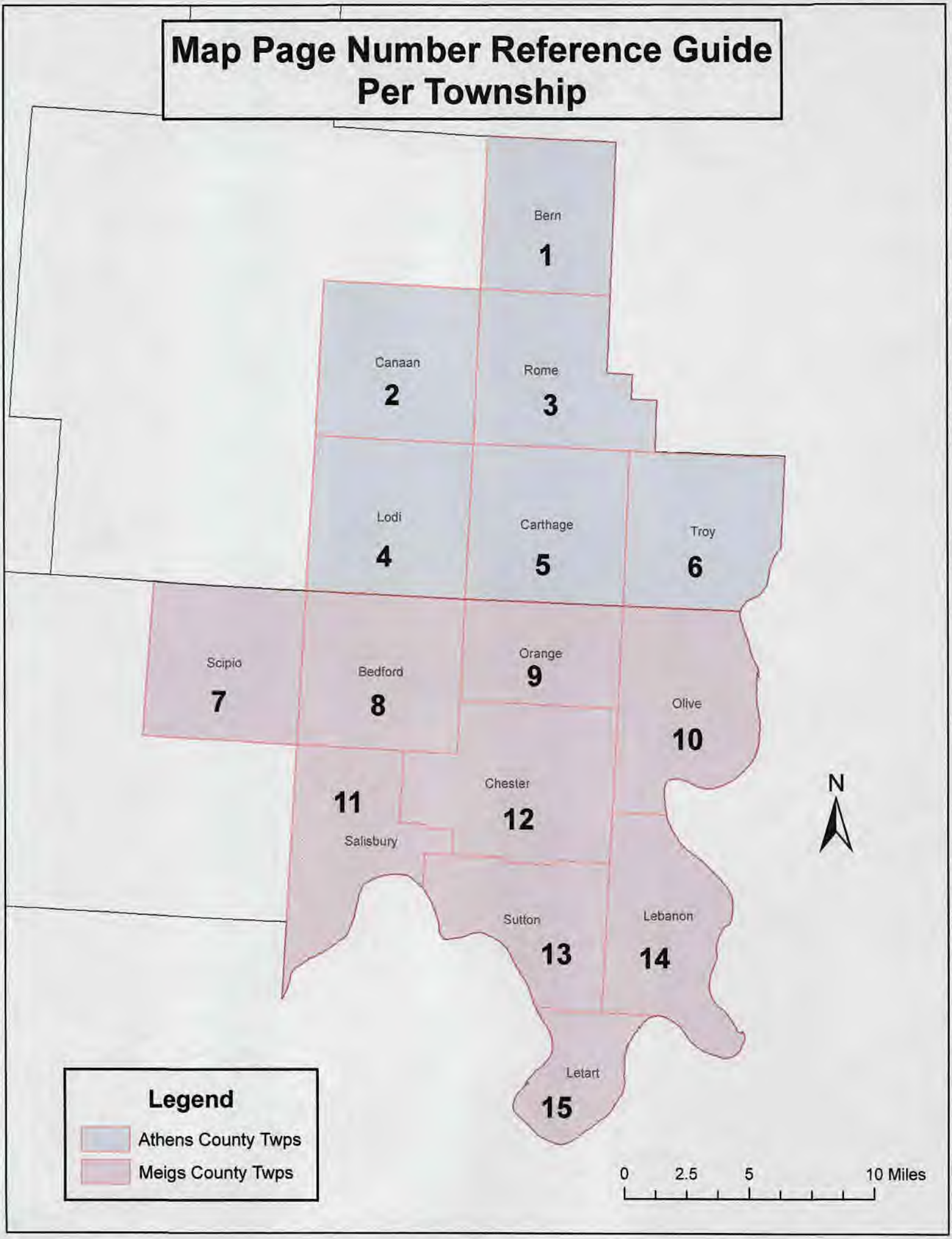
For Ohio EPA use only:

Date Verification Rec'd: _____

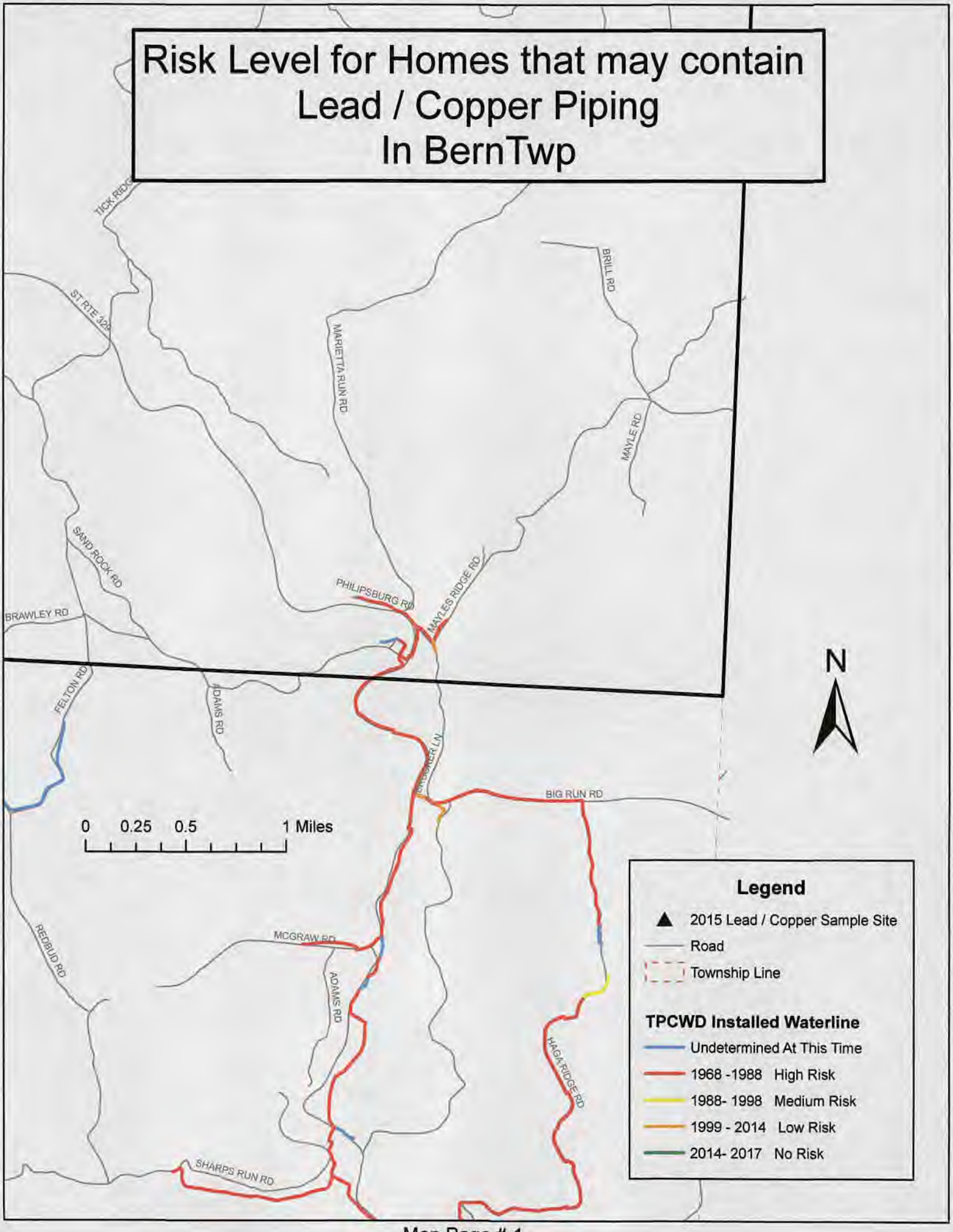
Tuppers Plains Chester Water District Distribution Location



Map Page Number Reference Guide Per Township



Risk Level for Homes that may contain Lead / Copper Piping In BernTwp



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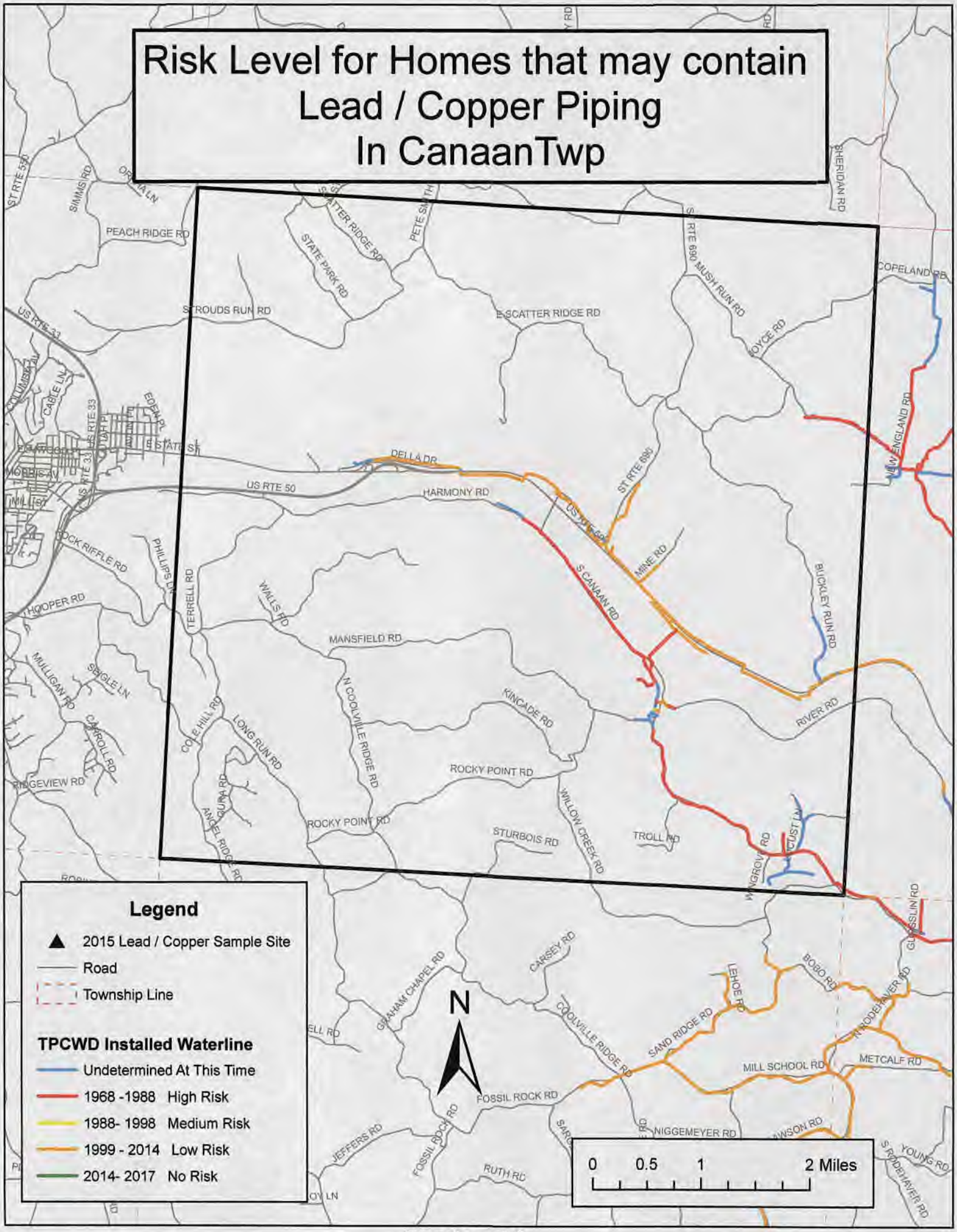
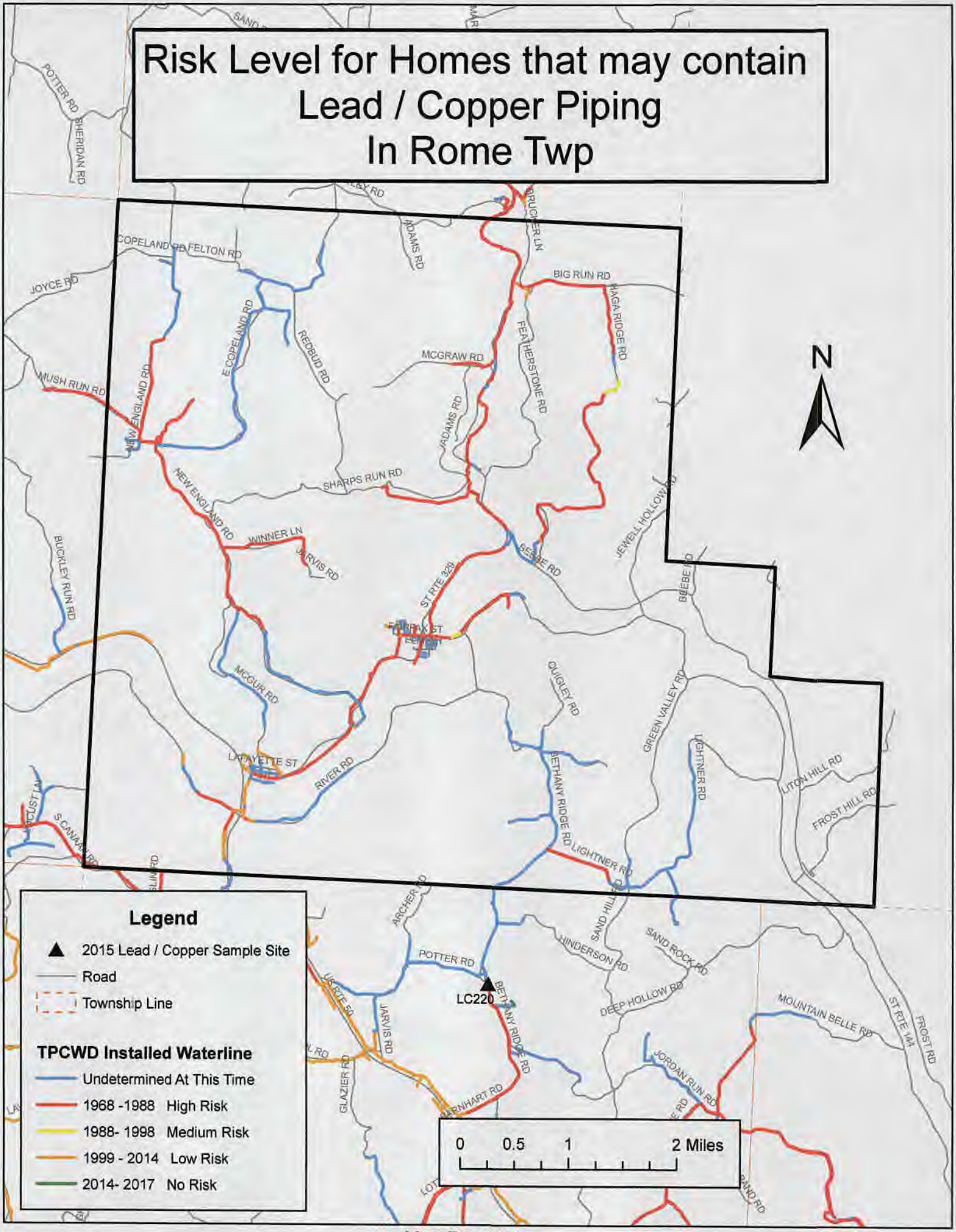
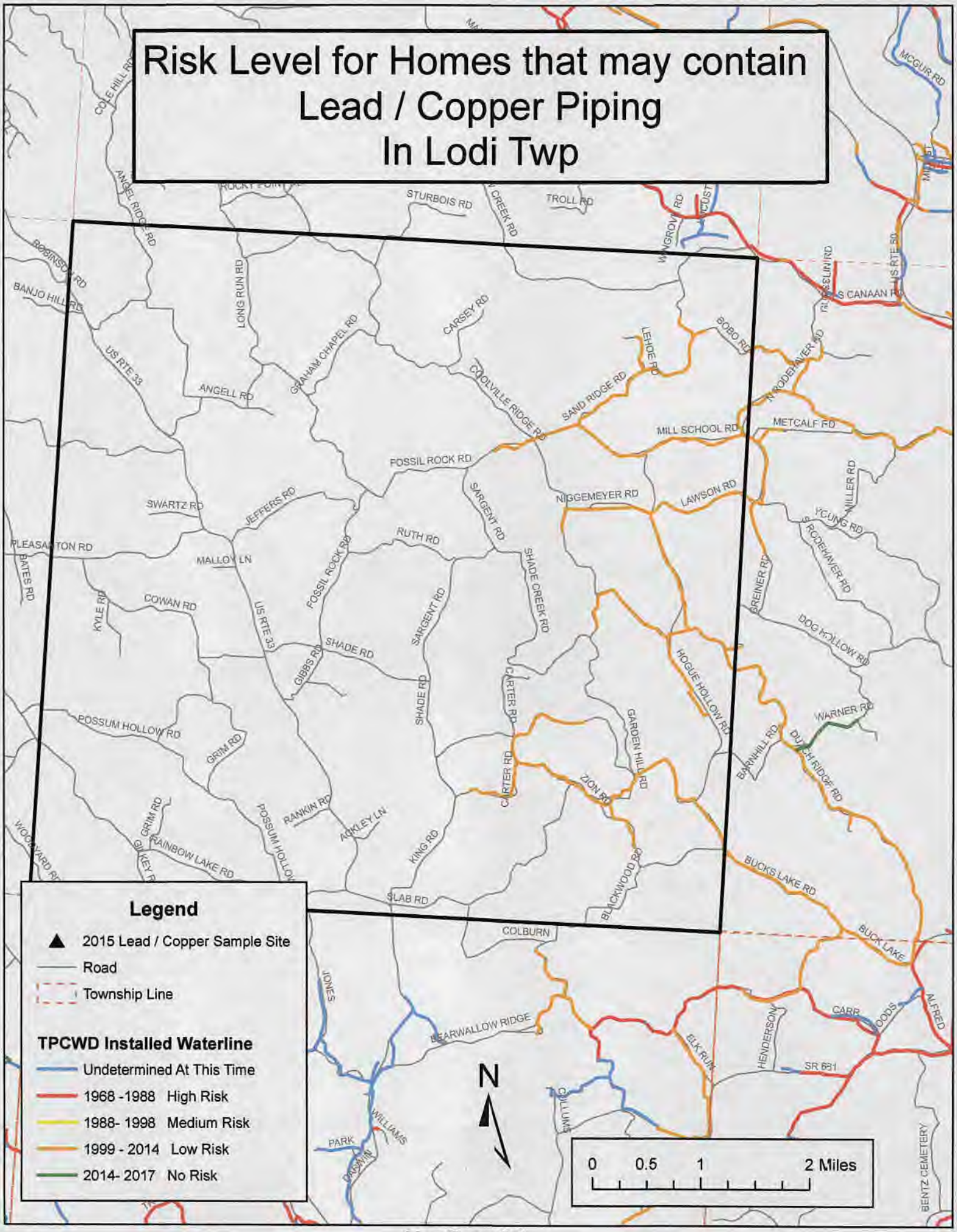


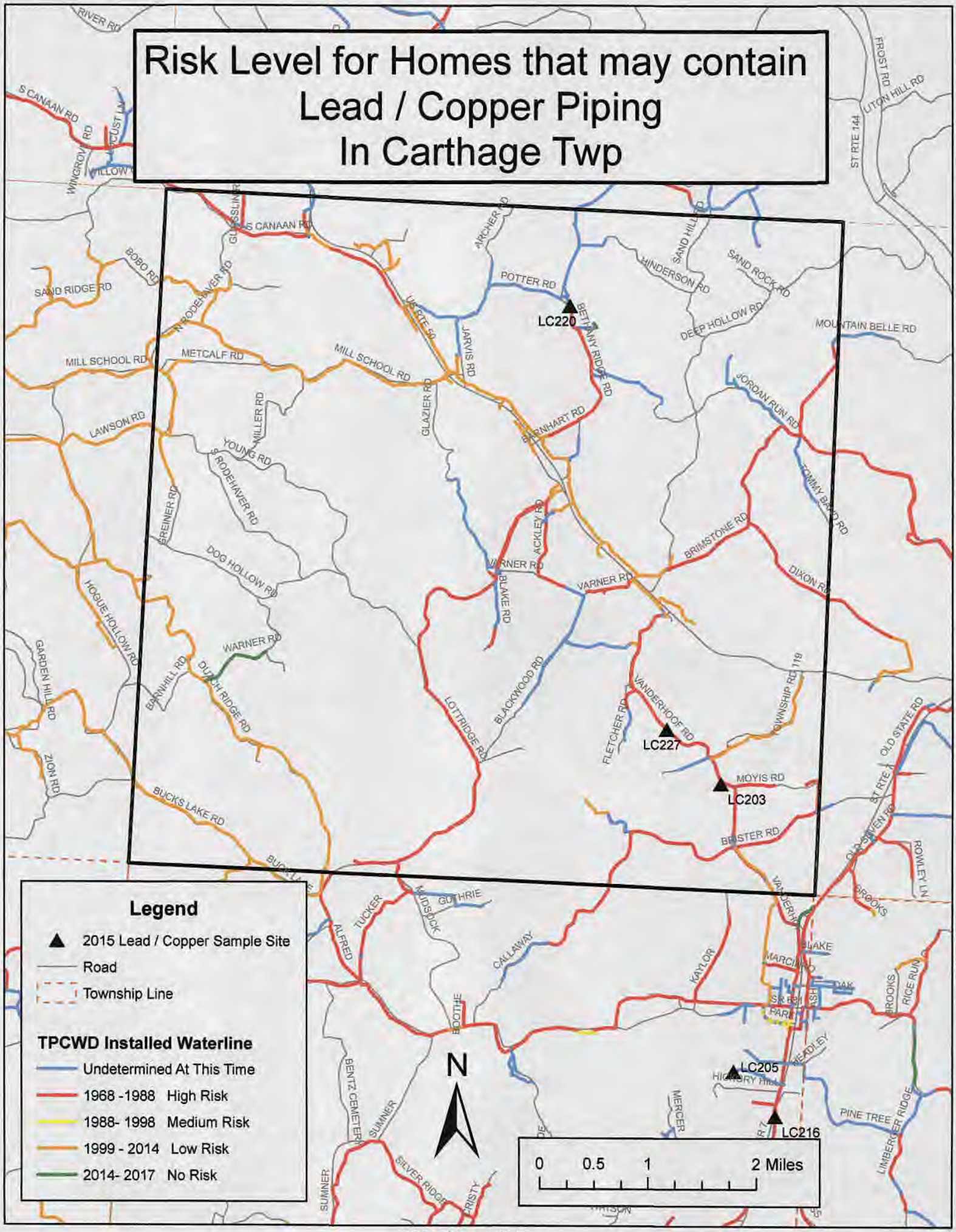
Risk Level for Homes that may contain Lead / Copper Piping In Rome Twp



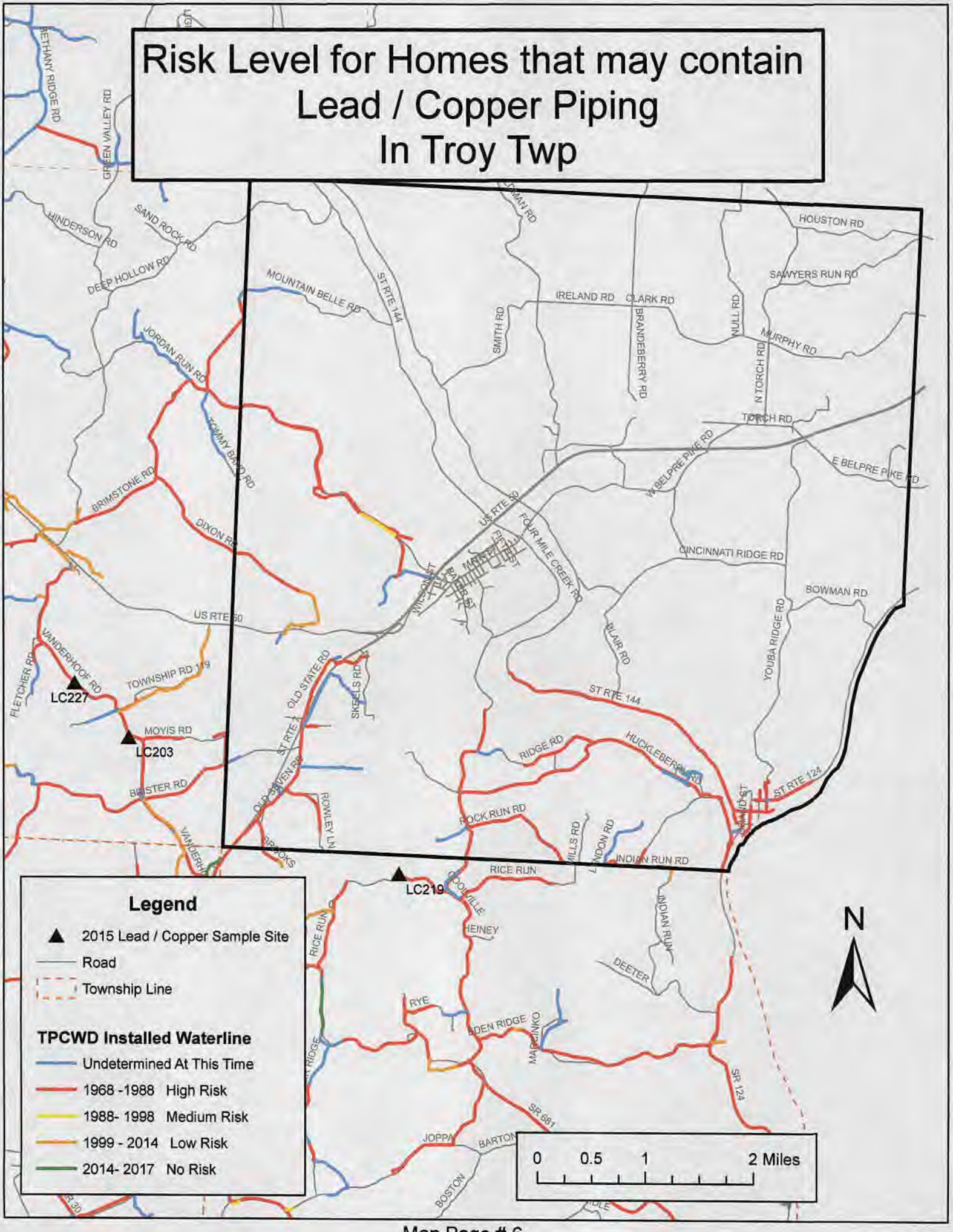
Risk Level for Homes that may contain Lead / Copper Piping In Lodi Twp



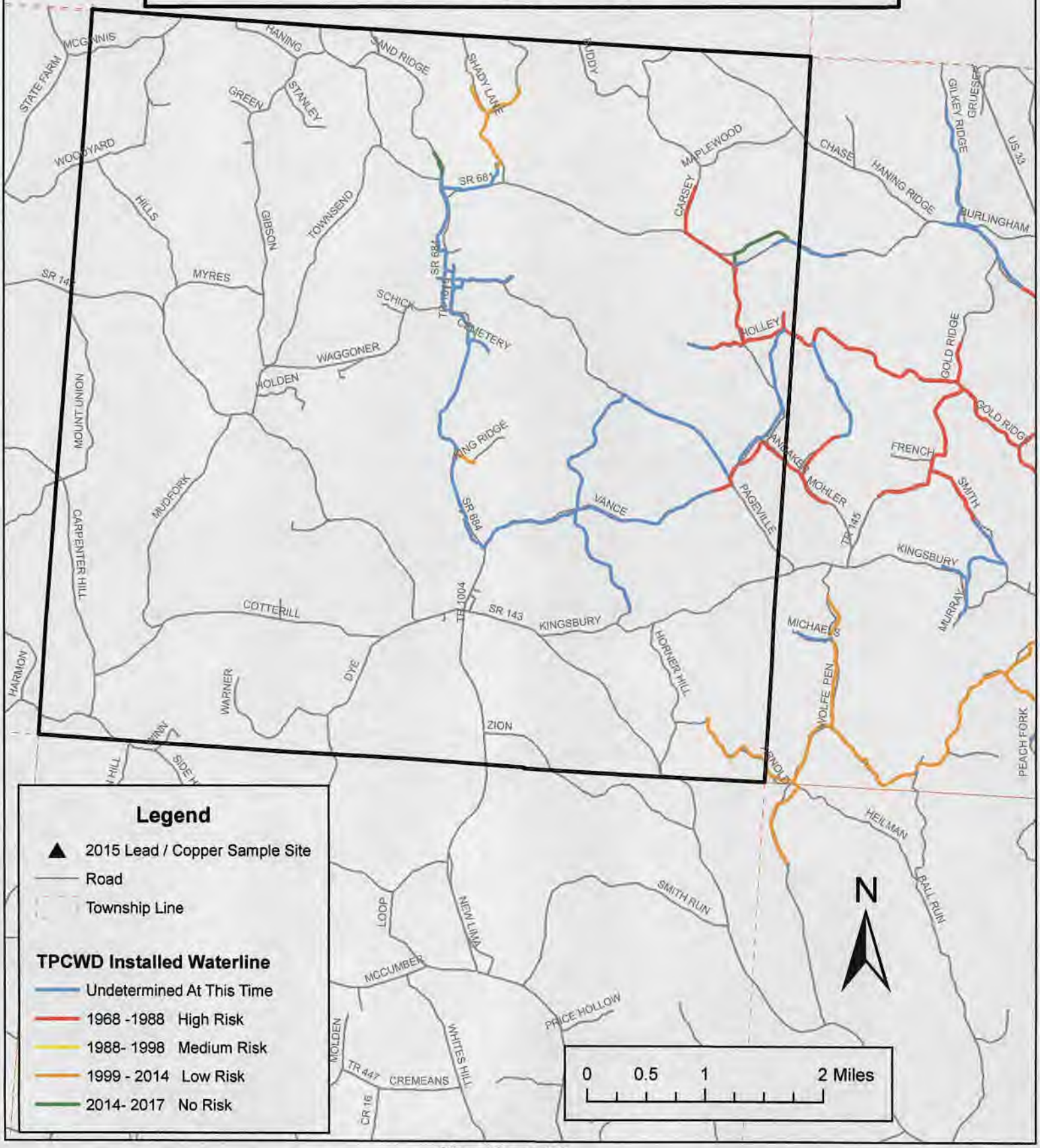
Risk Level for Homes that may contain Lead / Copper Piping In Carthage Twp



Risk Level for Homes that may contain Lead / Copper Piping In Troy Twp



Risk Level for Homes that may contain Lead / Copper Piping In Scipio Twp



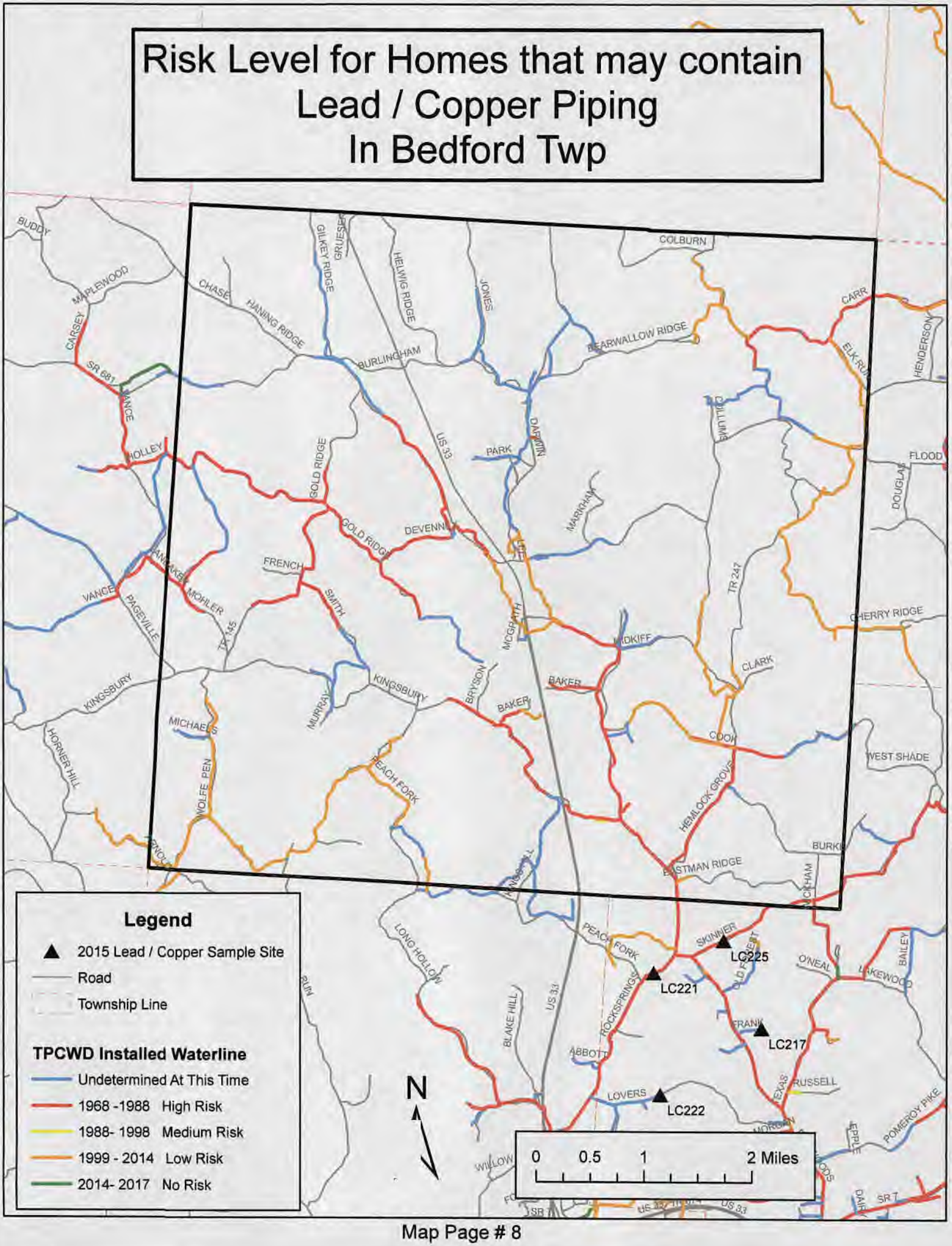
Legend

- ▲ 2015 Lead / Copper Sample Site
- Road
- Township Line

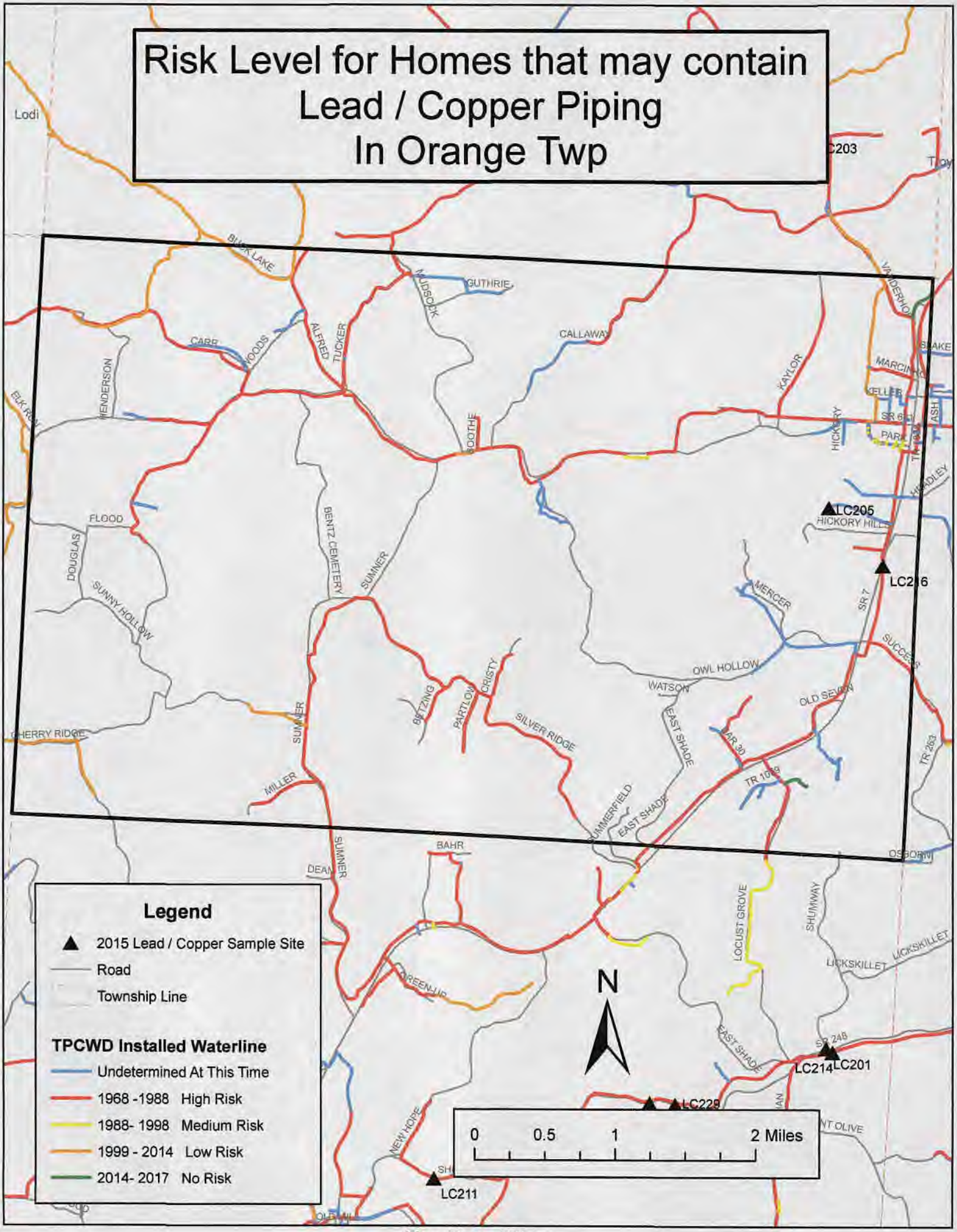
TPCWD Installed Waterline

- Undetermined At This Time
- 1968 -1988 High Risk
- 1988- 1998 Medium Risk
- 1999 - 2014 Low Risk
- 2014- 2017 No Risk

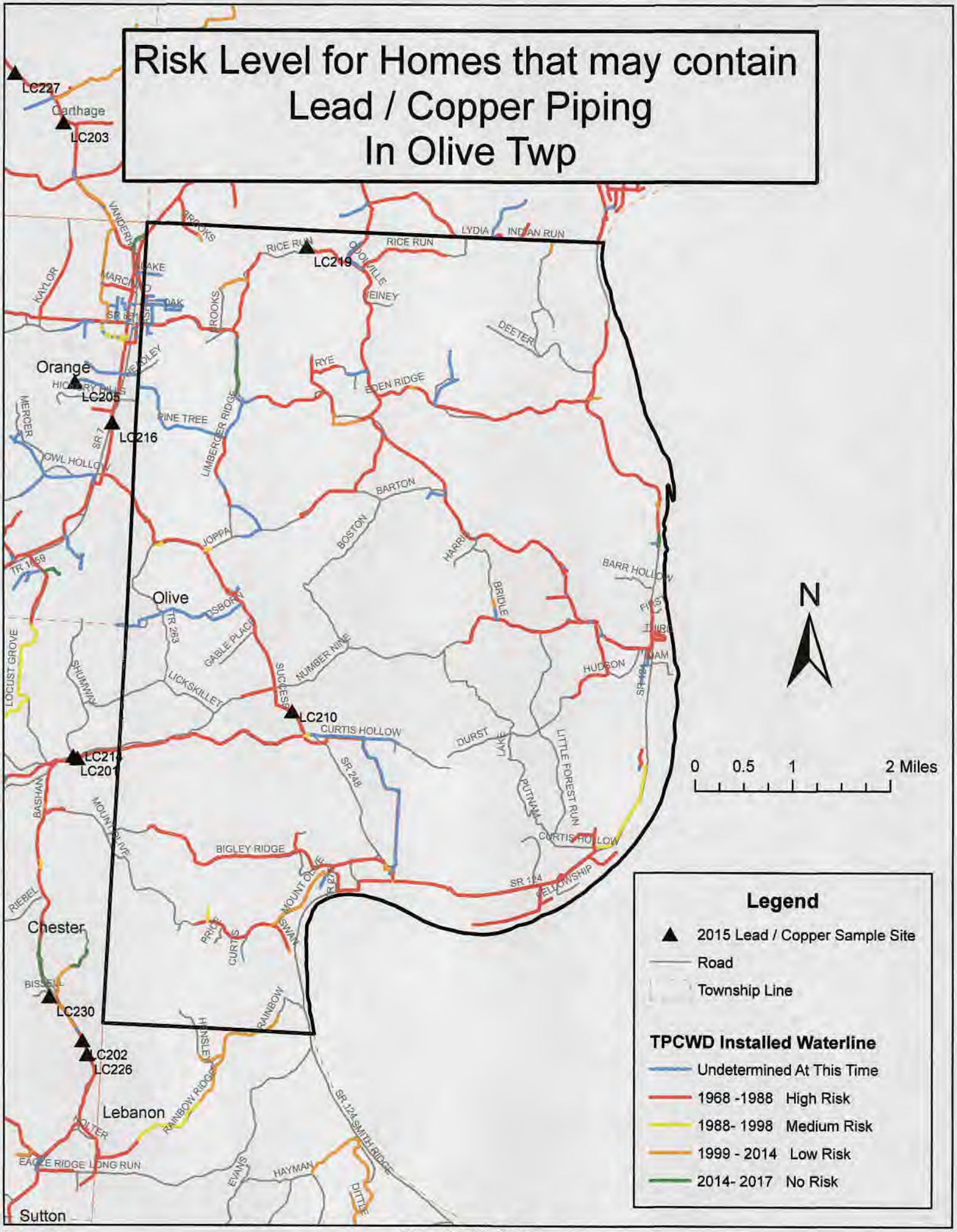
Risk Level for Homes that may contain Lead / Copper Piping In Bedford Twp



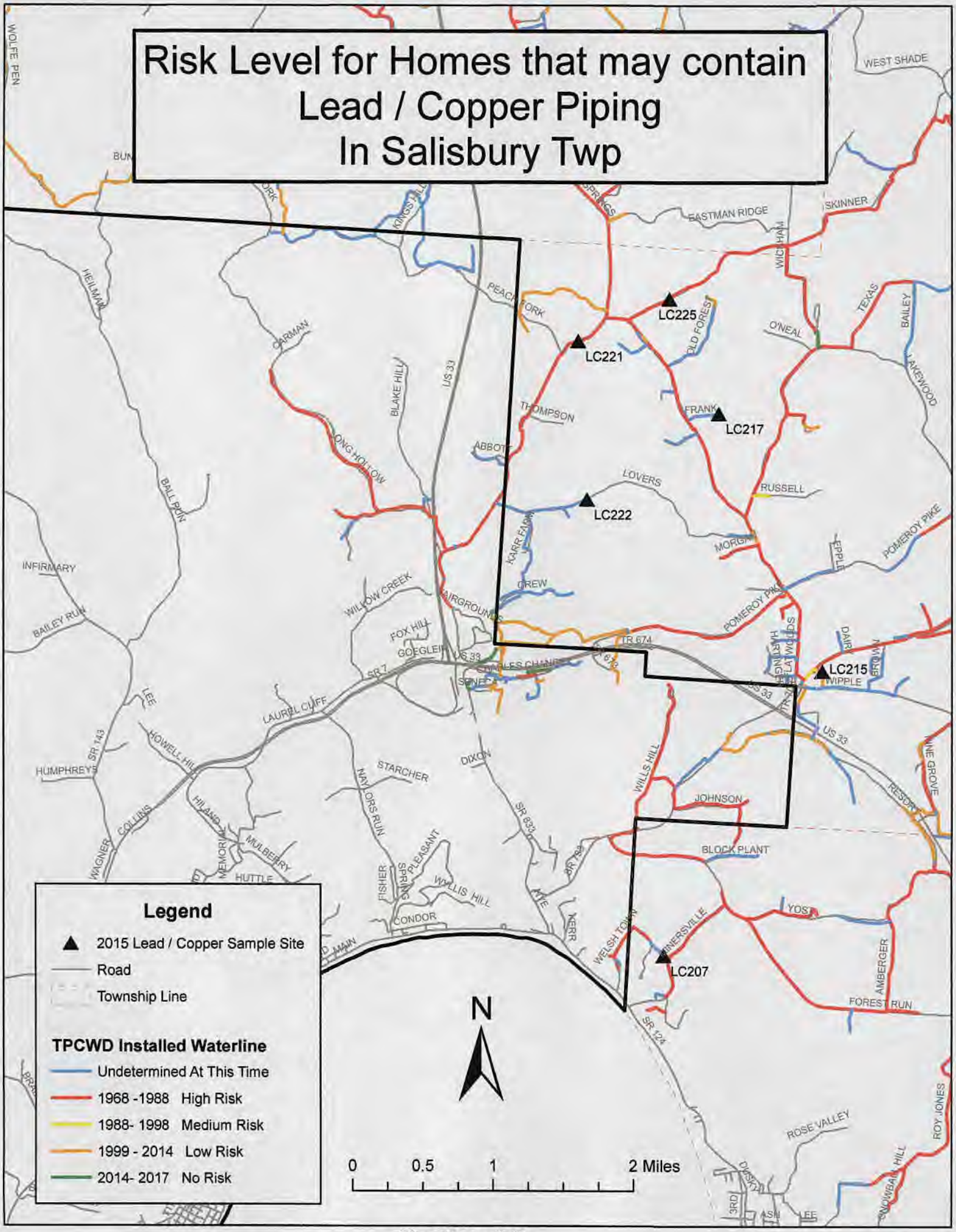
Risk Level for Homes that may contain Lead / Copper Piping In Orange Twp

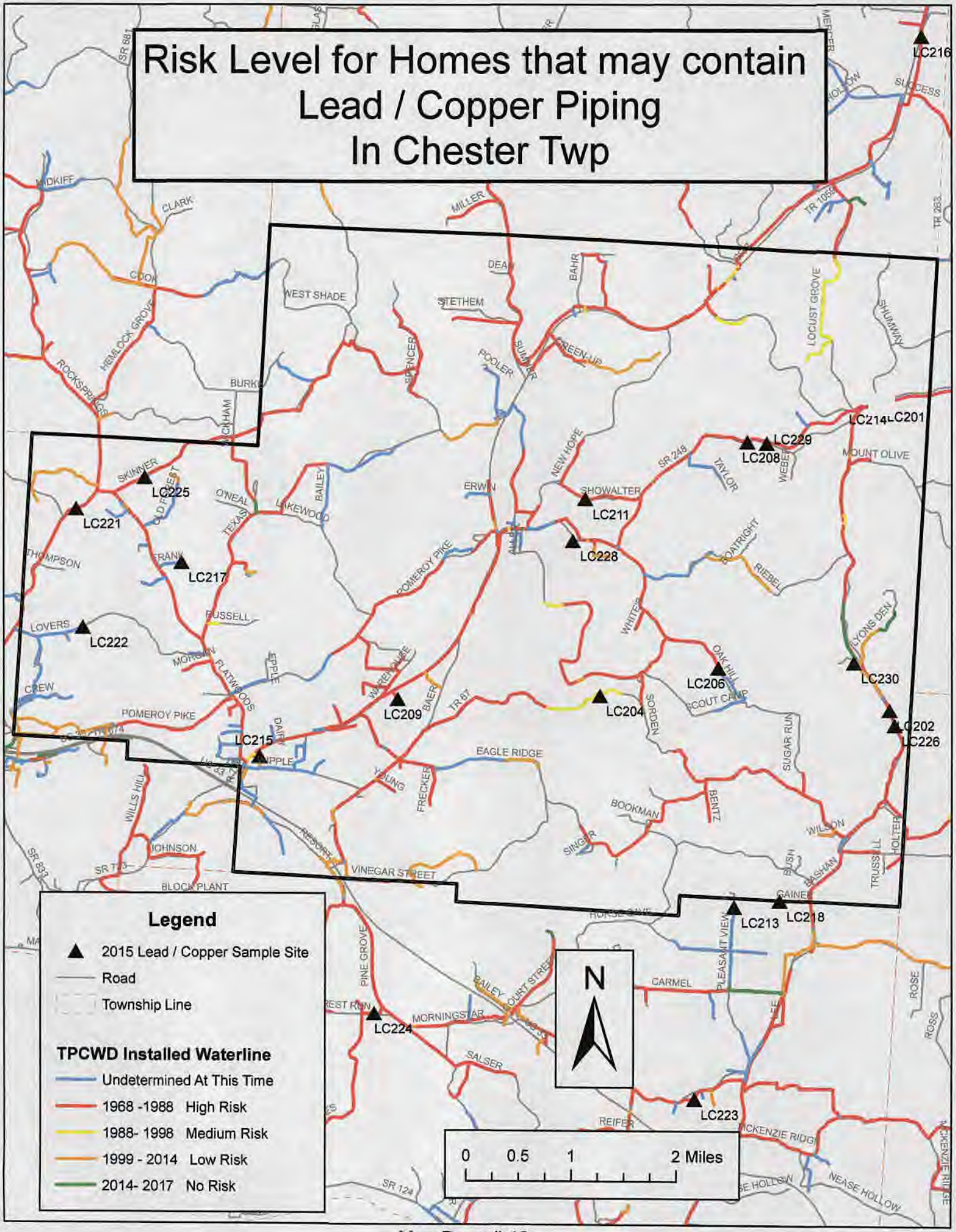


Risk Level for Homes that may contain Lead / Copper Piping In Olive Twp

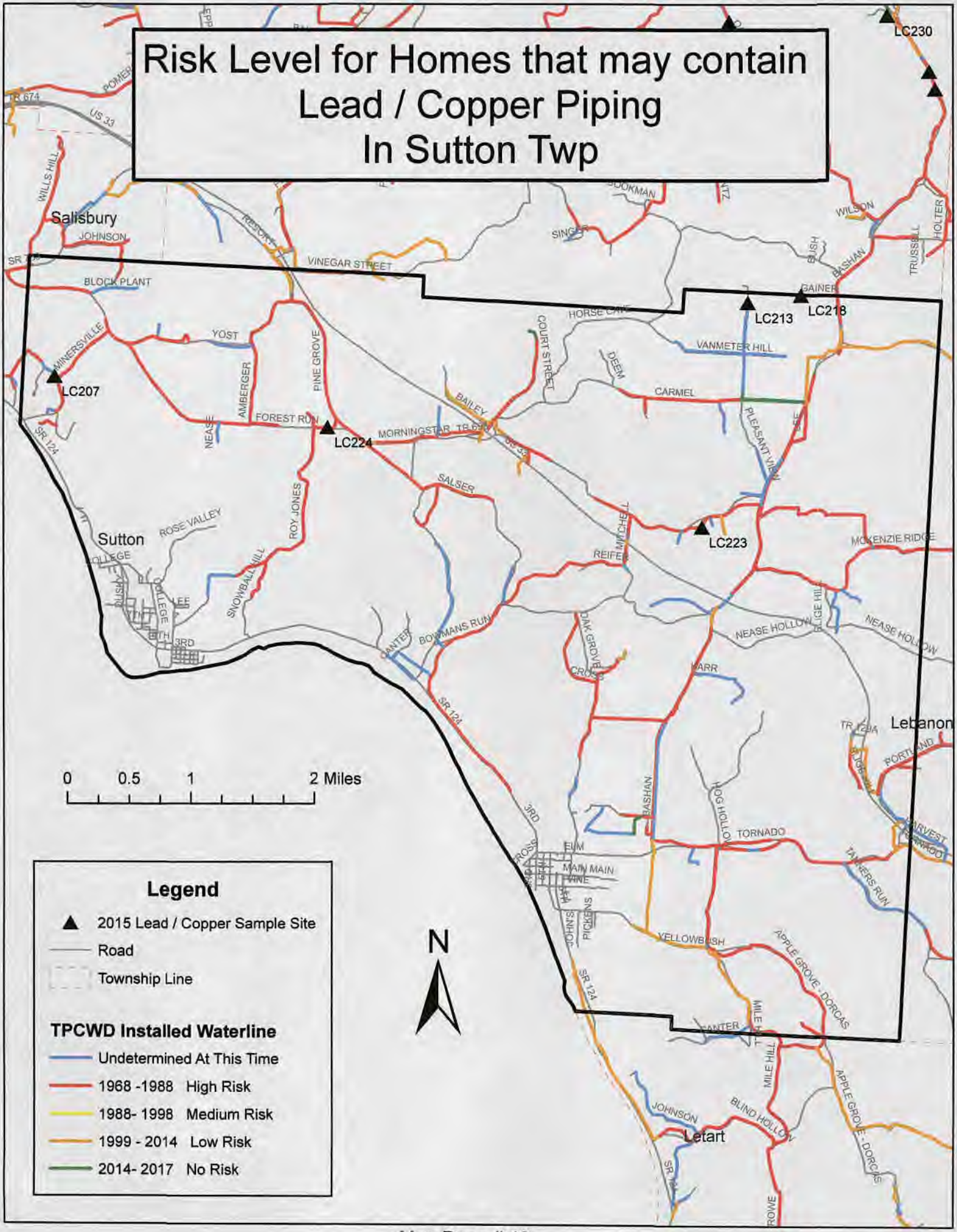


Risk Level for Homes that may contain Lead / Copper Piping In Salisbury Twp

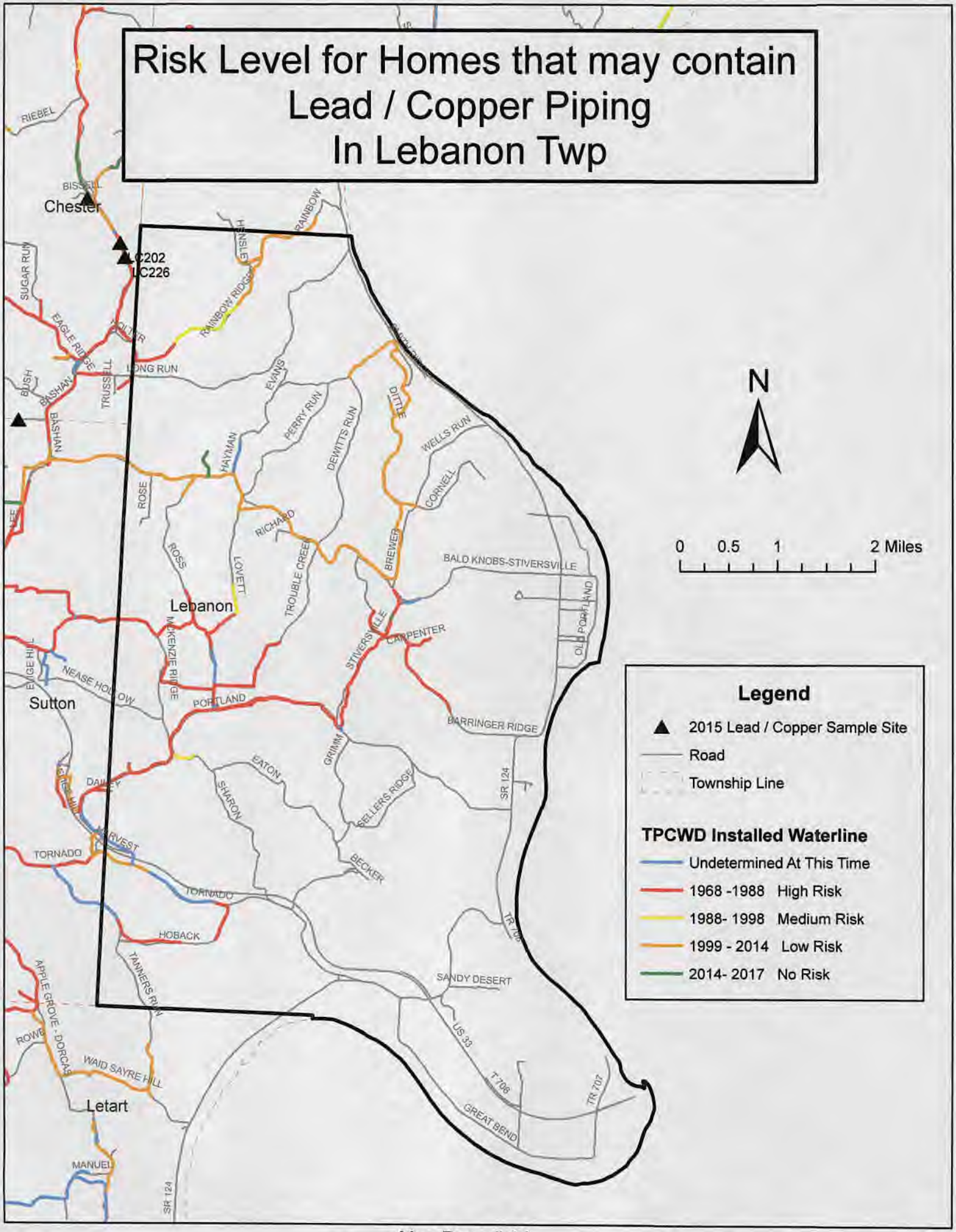



Risk Level for Homes that may contain Lead / Copper Piping In Chester Twp
LC216
LC214
LC201
LC229
LC208
LC225
LC221
LC217
LC222
LC211
LC228
LC206
LC230
LC202
LC226
LC209
LC204
LC215
LC213
LC218
LC224
LC223
Legend
2015 Lead / Copper Sample Site
Road
Township Line
TPCWD Installed Waterline
Undetermined At This Time
1968 -1988 High Risk
1988- 1998 Medium Risk
1999 - 2014 Low Risk
2014- 2017 No Risk
N
0 0.5 1 2 Miles

Risk Level for Homes that may contain Lead / Copper Piping In Sutton Twp



Risk Level for Homes that may contain Lead / Copper Piping In Lebanon Twp



Risk Level for Homes that may contain Lead / Copper Piping In Letart Twp