

## Highland Ridge Water Association

### Lead Service Mapping Narrative

**Buildings 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. In addition, 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.**

Highland Ridge Water Association started construction of the distribution system in 1996 and served its first customer July, 22 1997. Highland Ridge Water uses multiple line sizes and types to deliver water to its customers.

Highland Ridge Water Association's water mainline types consist of Ductile Iron, PVC, and Poly Ethylene. None of these materials are manufactured with lead. Highland Ridge Water Association's service lines from the mainline to the meter setter and the end of Highland Ridge Water's responsibility consist of PVC, Poly Ethylene and Copper tubing. Highland Ridge has determined, through record keeping and maintenance in these areas, it has been proven that there are no lead service lines in our system. However, copper tubing used falls under the "may have" 8% lead content.

A map of our system shows details of where these copper service lines are found. The color coding is as follows:

Green: Non-lead

Yellow: May contain lead

Red: Sites that have Tier one houses.

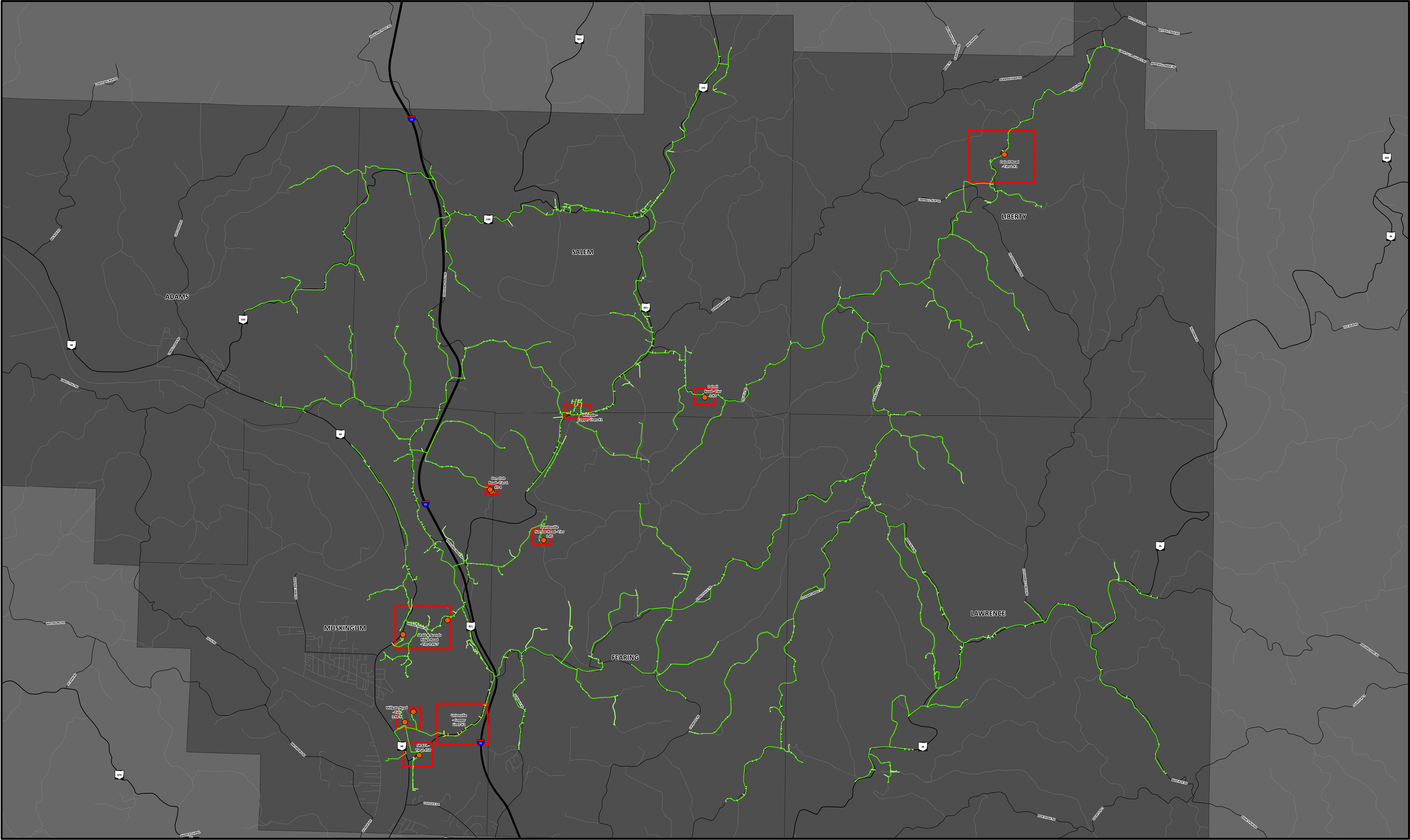
Highland Ridge Water Association tests for lead and Copper in the water drawn from (Tier 1) houses. Tier 1 is described as a structure or dwelling that was built before 1986 and has the best chance to have plumbing and fixtures with lead content. Our test sites vary due to customer participation, and the availability of houses that have not upgraded plumbing and fixtures. Highland Ridge Water's history of testing shows amounts of lead and copper below the level sited by the EPA as unsafe. The result of these tests can be obtained by requesting a **Consumer Confidence Report** at the Highland Ridge Water Association's office.

Through use of the Washington County Tax maps as a reference when dwellings were built throughout the water system, Highland Ridge Water Association has approximately 58.6% of the houses constructed before the 1998 low lead law was put into effect and may have solder and fixtures that contain lead. Highland Ridge Water has 13.7% of the houses constructed after the 1998 law that may contain lower, but still small amounts of lead in solder and fixtures with an additional 0.79% that was constructed after the 2014 no lead law and having no lead construction. The remaining 27.7% are unknown. These figures are for reference only and may not reflect up to date building permits or changes in plumbing and fixtures by the home owners or contractors. As stated earlier Highland Ridge Water has no jurisdiction over interior plumbing but Highland Ridge Water informs customers of the dangers of lead but cannot enforce them to change their plumbing or fixtures.



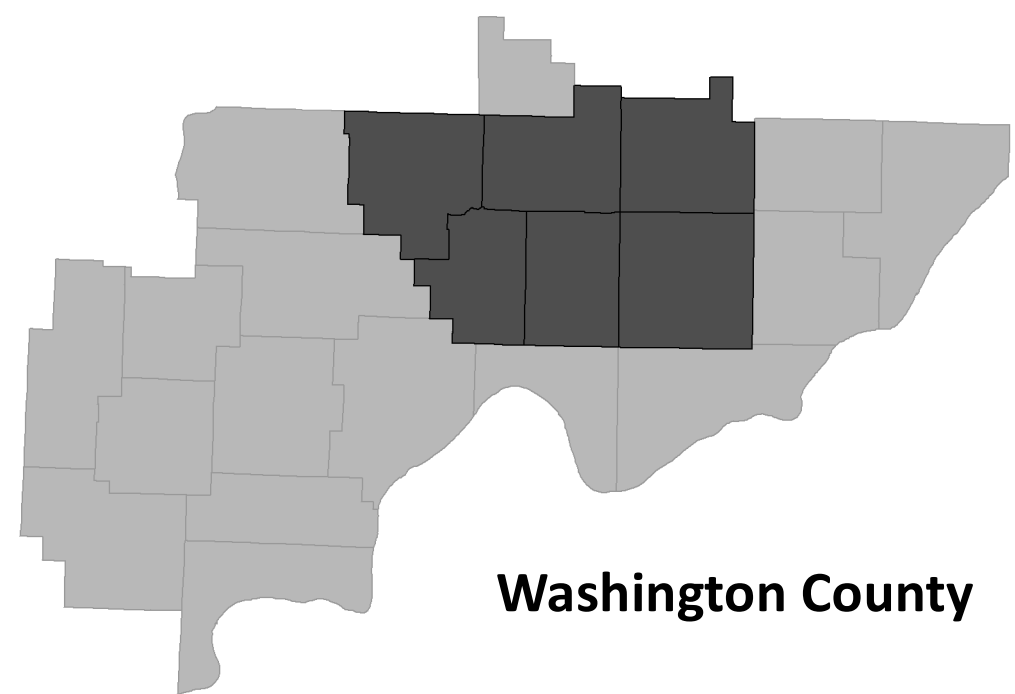
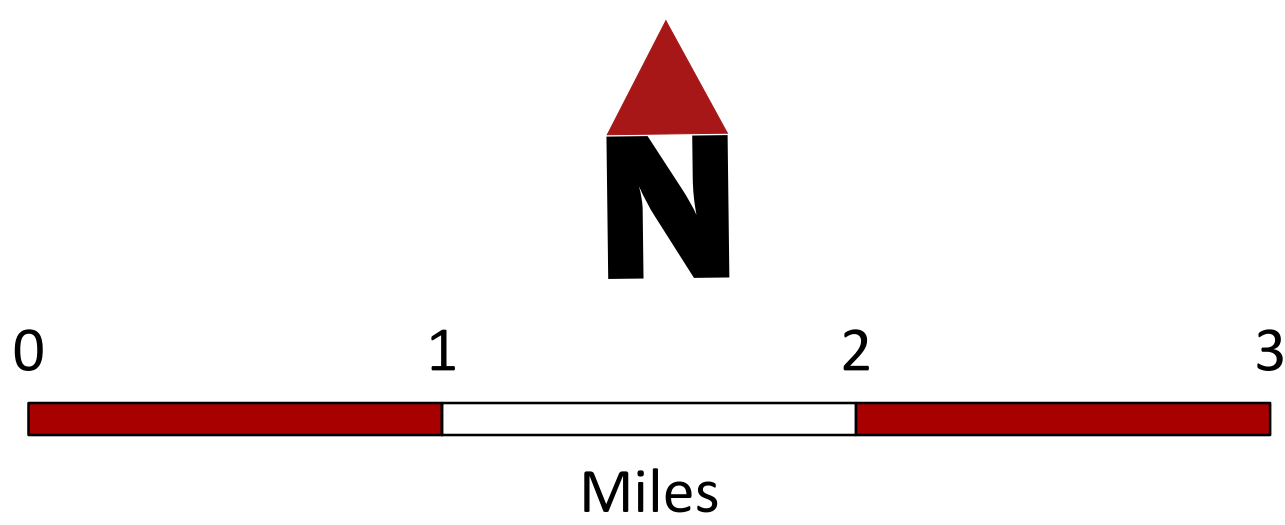
# Highland Ridge Water Distribution System

## Identified Tier 1 Sites and Copper Service Lines



Through use of the Washington County Tax maps as a reference when dwellings were built through the water system, Highland Ridge Water Association has approximately 58.6% of the houses constructed before the 1998 low lead law was put into effect and may have solder and fixtures that contain lead. Highland Ridge Water has 13.7% of the houses constructed after the 1998 law that may contain lower, but still small amounts of lead in solder and fixtures with an additional .7% that was constructed after the 2014 no lead law and having no lead construction. The remaining 27.7% are unknown. These figures are for reference only and may not reflect up to date building permits or changes in plumbing and fixtures by the home owners or contractors. As stated earlier Highland Ridge Water informs customers of the dangers of lead but cannot enforce them to change their plumbing or fixtures.

- Other
- CTS Copper
- Non-Lead
- Tier 1 Sites

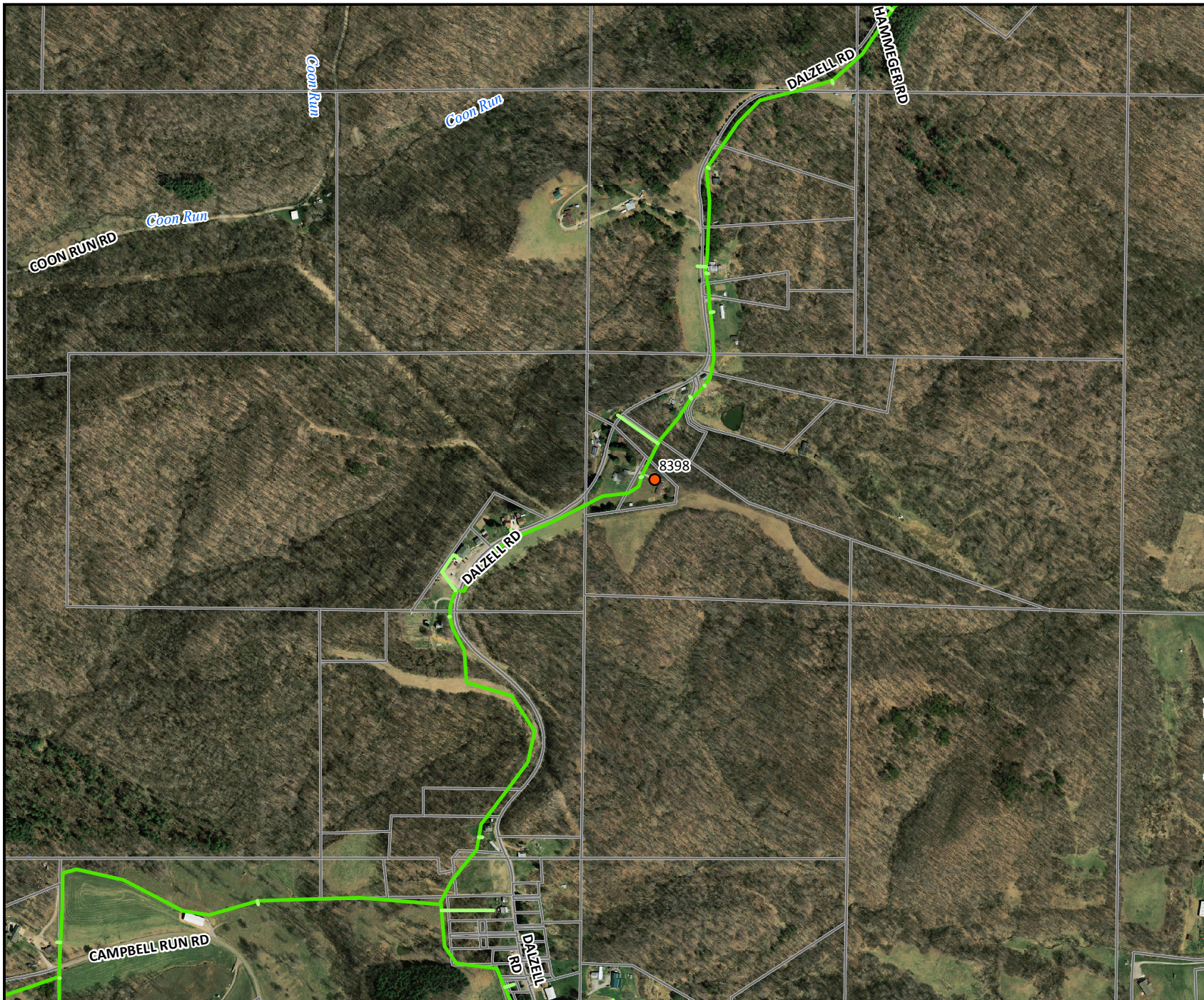


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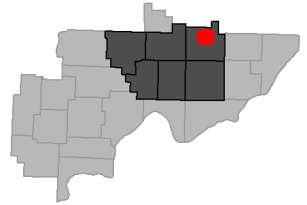


# Dalzell Road - Tier 1 #1



Through use of the Washington County Tax maps as a reference when dwellings were built through the water system, Highland Ridge Water Association has approximately 58.6% of the houses constructed before the 1998 low lead law was put into effect and may have solder and fixtures that contain lead. Highland Ridge Water has 13.7% of the houses constructed after the 1998 law that may contain lower, but still small amounts of lead in solder and fixtures with an additional .7% that was constructed after the 2014 no lead law and having no lead construction. The remaining 27.7% are unknown. These figures are for reference only and may not reflect up to date building permits or changes in plumbing and fixtures by the home owners or contractors. As stated earlier Highland Ridge Water informs customers of the dangers of lead but cannot enforce them to change their plumbing or fixtures.

## Washington County



- CTS Copper
- Non-Lead
- Tier 1 Sites
- Parcels



0 330 660 990

Feet

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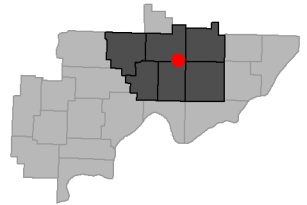


# Dalzell Road - Tier 1 #2



Through use of the Washington County Tax maps as a reference when dwellings were built through the water system, Highland Ridge Water Association has approximately 58.6% of the houses constructed before the 1998 low lead law was put into effect and may have solder and fixtures that contain lead. Highland Ridge Water has 13.7% of the houses constructed after the 1998 law that may contain lower, but still small amounts of lead in solder and fixtures with an additional .7% that was constructed after the 2014 no lead law and having no lead construction. The remaining 27.7% are unknown. These figures are for reference only and may not reflect up to date building permits or changes in plumbing and fixtures by the home owners or contractors. As stated earlier Highland Ridge Water informs customers of the dangers of lead but cannot enforce them to change their plumbing or fixtures.

## Washington County



- CTS Copper
- Non-Lead
- Tier 1 Sites
- Parcels



0 100 200 300

Feet

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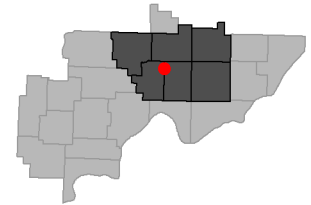


# Gun Club Road - Tier 1 #3-4



Through use of the Washington County Tax maps as a reference when dwellings were built through the water system, Highland Ridge Water Association has approximately 58.6% of the houses constructed before the 1998 low lead law was put into effect and may have solder and fixtures that contain lead. Highland Ridge Water has 13.7% of the houses constructed after the 1998 law that may contain lower, but still small amounts of lead in solder and fixtures with an additional .7% that was constructed after the 2014 no lead law and having no lead construction. The remaining 27.7% are unknown. These figures are for reference only and may not reflect up to date building permits or changes in plumbing and fixtures by the home owners or contractors. As stated earlier Highland Ridge Water informs customers of the dangers of lead but cannot enforce them to change their plumbing or fixtures.

## Washington County



- CTS Copper
- Non-Lead
- Tier 1 Sites
- Parcels



0 60 120 180

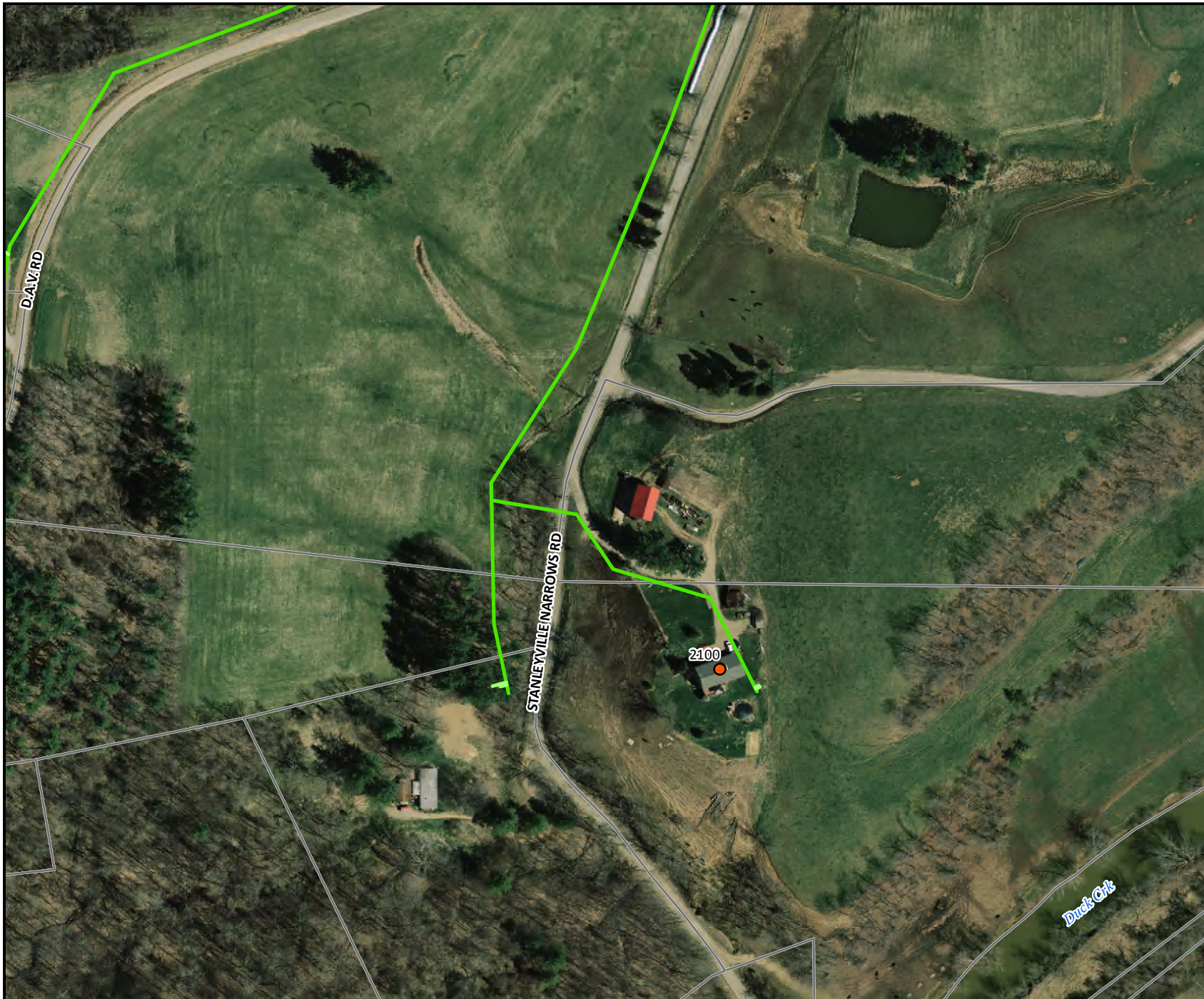
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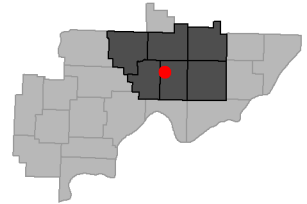


# Stanleyville Narrow Road - Tier 1 #5



Through use of the Washington County Tax maps as a reference when dwellings were built through the water system, Highland Ridge Water Association has approximately 58.6% of the houses constructed before the 1998 low lead law was put into effect and may have solder and fixtures that contain lead. Highland Ridge Water has 13.7% of the houses constructed after the 1998 law that may contain lower, but still small amounts of lead in solder and fixtures with an additional .7% that was constructed after the 2014 no lead law and having no lead construction. The remaining 27.7% are unknown. These figures are for reference only and may not reflect up to date building permits or changes in plumbing and fixtures by the home owners or contractors. As stated earlier Highland Ridge Water informs customers of the dangers of lead but cannot enforce them to change their plumbing or fixtures.

## Washington County



- CTS Copper
- Non-Lead
- Tier 1 Sites
- Parcels



0 90 180 270

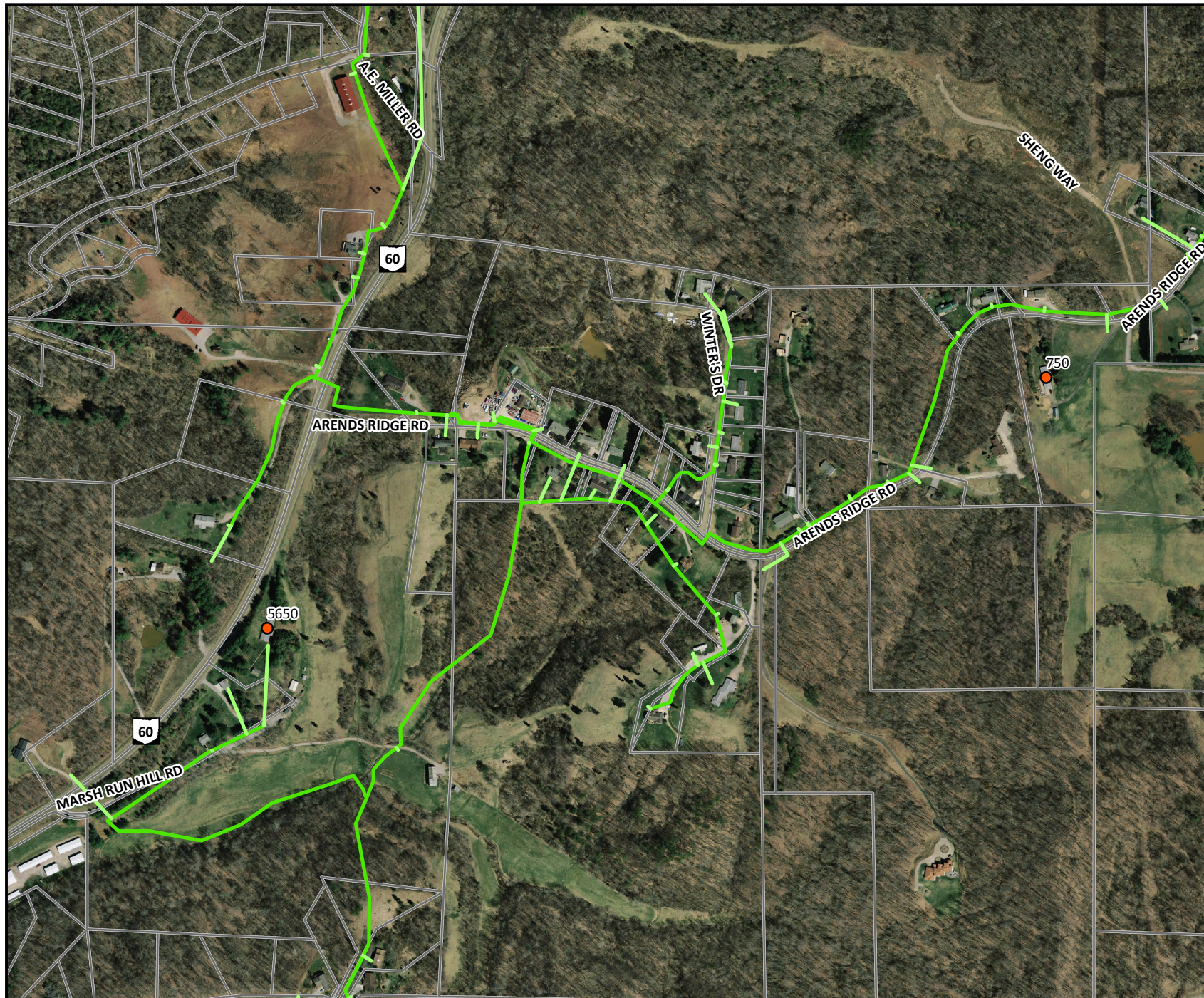
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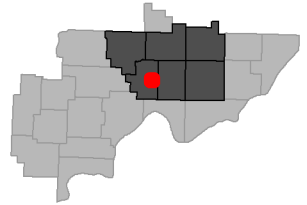


# SR 60 & Arends Ridge Road - Tier 1 #6-7



Through use of the Washington County Tax maps as a reference when dwellings were built through the water system, Highland Ridge Water Association has approximately 58.6% of the houses constructed before the 1998 low lead law was put into effect and may have solder and fixtures that contain lead. Highland Ridge Water has 13.7% of the houses constructed after the 1998 law that may contain lower, but still small amounts of lead in solder and fixtures with an additional .7% that was constructed after the 2014 no lead law and having no lead construction. The remaining 27.7% are unknown. These figures are for reference only and may not reflect up to date building permits or changes in plumbing and fixtures by the home owners or contractors. As stated earlier Highland Ridge Water informs customers of the dangers of lead but cannot enforce them to change their plumbing or fixtures.

## Washington County



- CTS Copper
- Non-Lead
- Tier 1 Sites
- Parcels



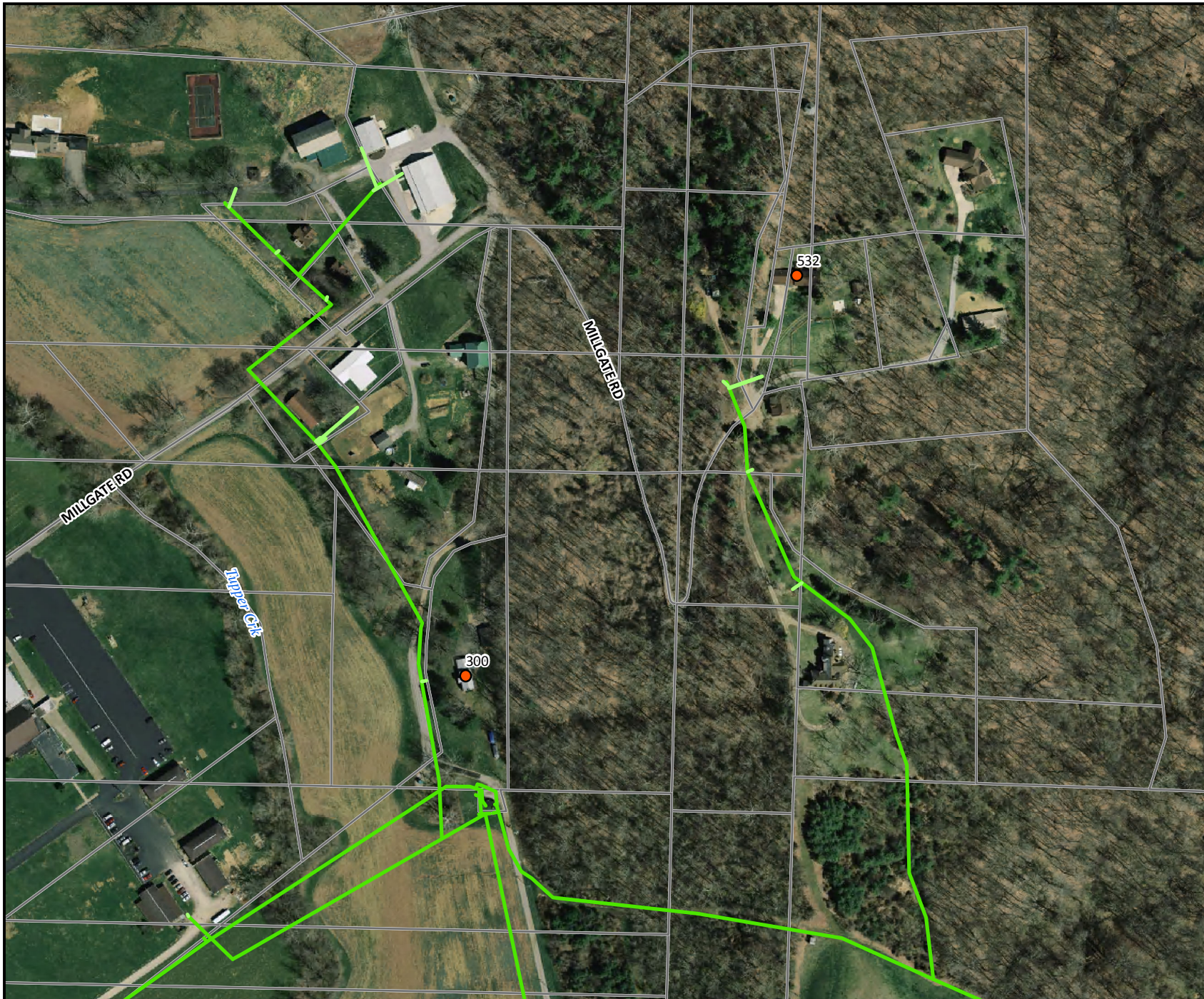
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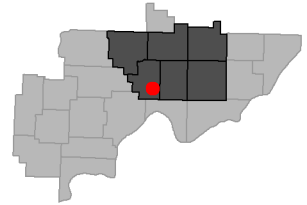


# Millgate Road - Tier 1 #8-9



Through use of the Washington County Tax maps as a reference when dwellings were built through the water system, Highland Ridge Water Association has approximately 58.6% of the houses constructed before the 1998 low lead law was put into effect and may have solder and fixtures that contain lead. Highland Ridge Water has 13.7% of the houses constructed after the 1998 law that may contain lower, but still small amounts of lead in solder and fixtures with an additional .7% that was constructed after the 2014 no lead law and having no lead construction. The remaining 27.7% are unknown. These figures are for reference only and may not reflect up to date building permits or changes in plumbing and fixtures by the home owners or contractors. As stated earlier Highland Ridge Water informs customers of the dangers of lead but cannot enforce them to change their plumbing or fixtures.

## Washington County



- CTS Copper
- Non-Lead
- Tier 1 Sites
- Parcels



0 125 250 375

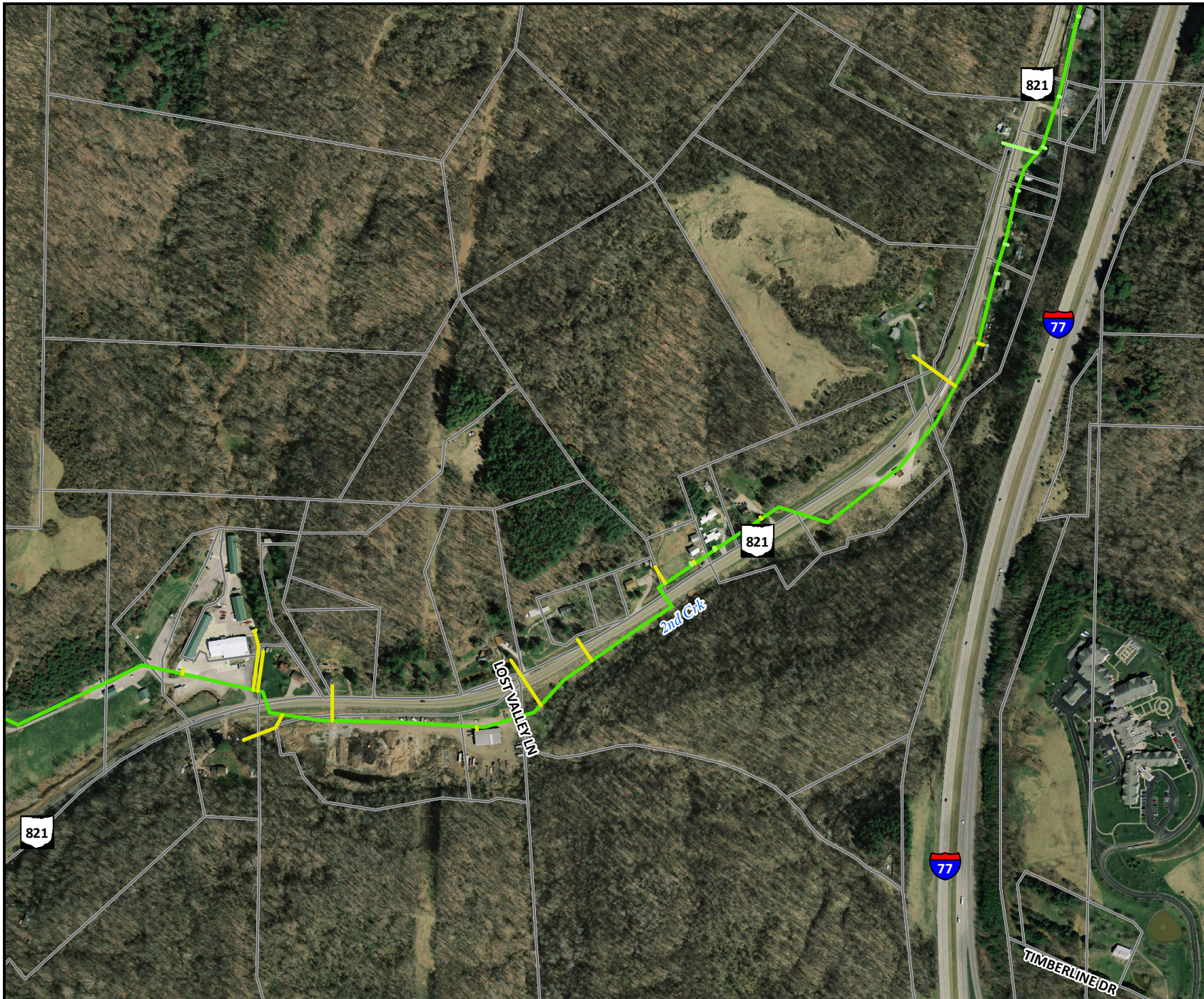
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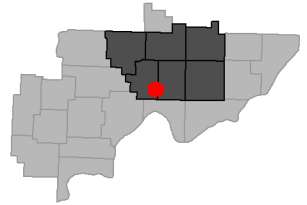


# Unionville - Copper Lines #2



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## Washington County



- CTS Copper
- Non-Lead
- Tier 1 Sites
- Parcels



0 260 520 780

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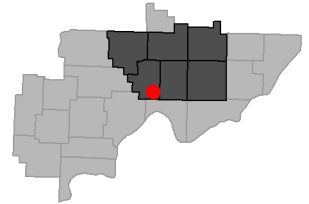


# SR 821 - Tier 1 #10



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## Washington County



- CTS Copper
- Non-Lead
- Tier 1 Sites
- Parcels



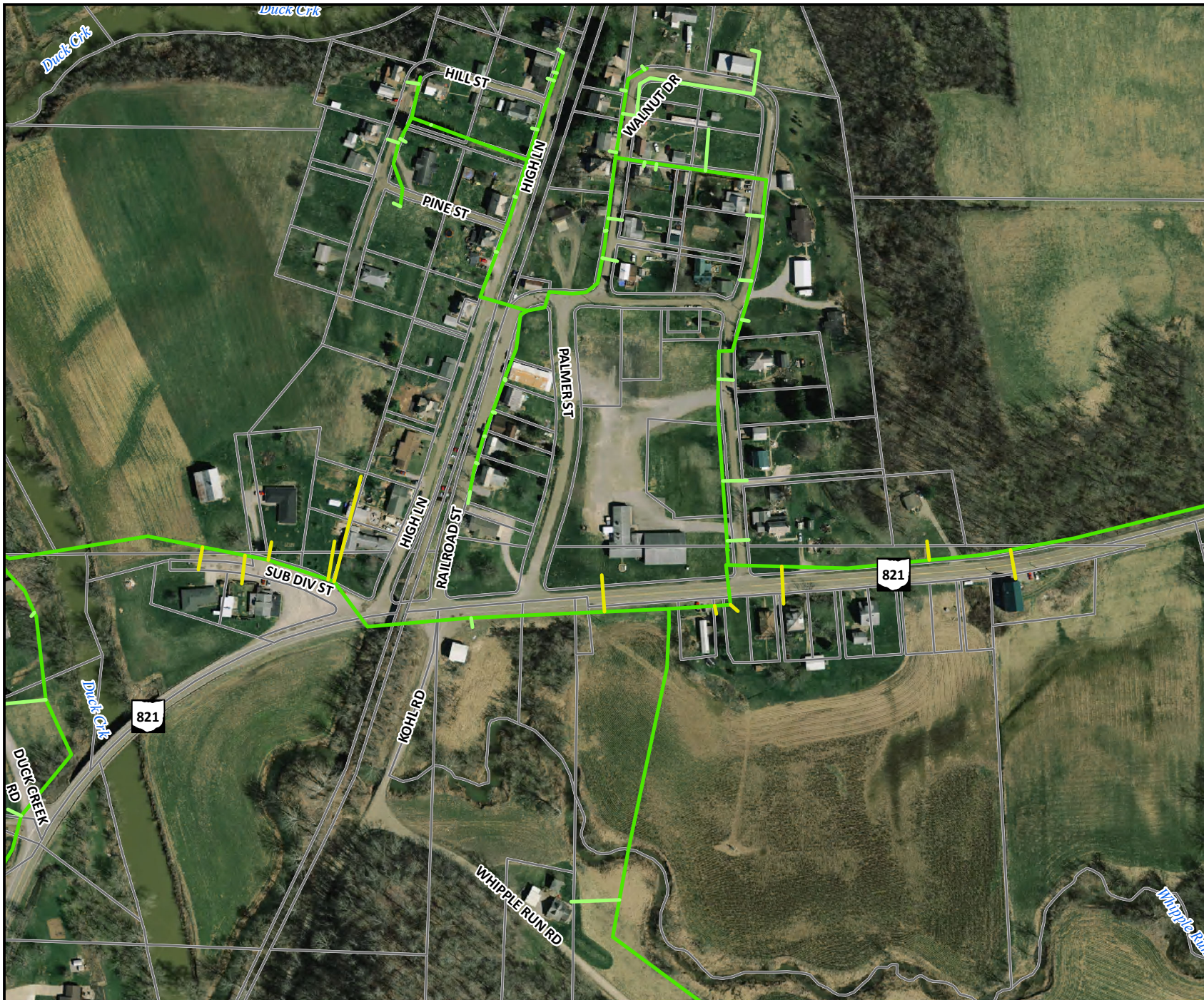
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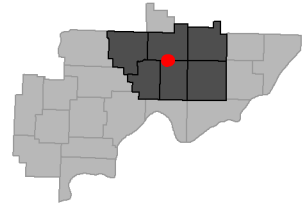


# Whipple - Copper Lines #1



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## Washington County



- CTS Copper
- Non-Lead
- Tier 1 Sites
- Parcels



0 130 260 390

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