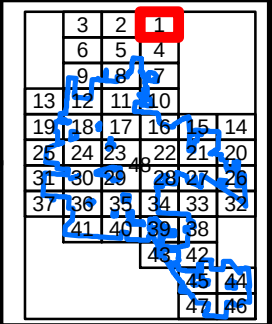




City of Delaware, Ohio Private Water Fixture Map

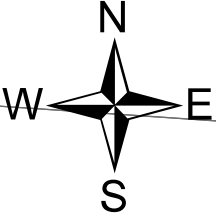
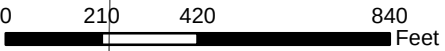
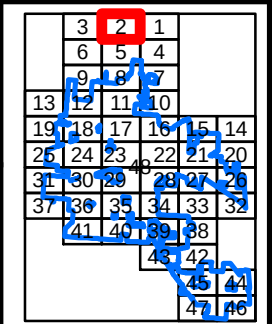
- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits

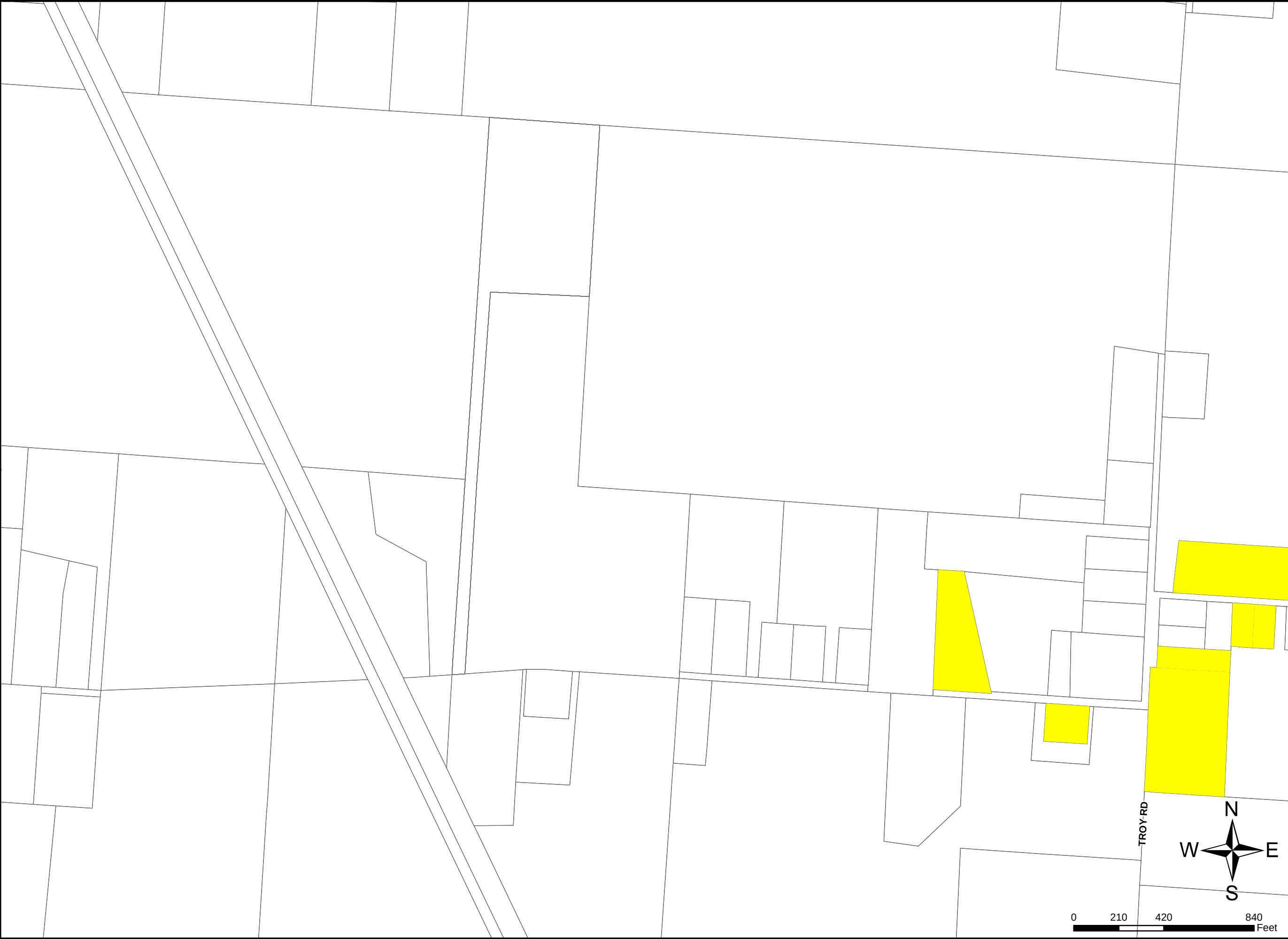




City of Delaware, Ohio Private Water Fixture Map

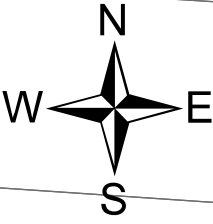
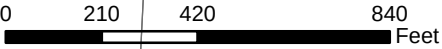
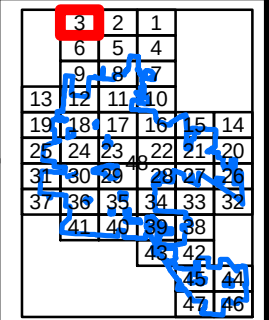
-  Tier 1 Sampling Location
-  Unknown
-  Possibly Lead
-  Non-Lead
-  Corp. Limits

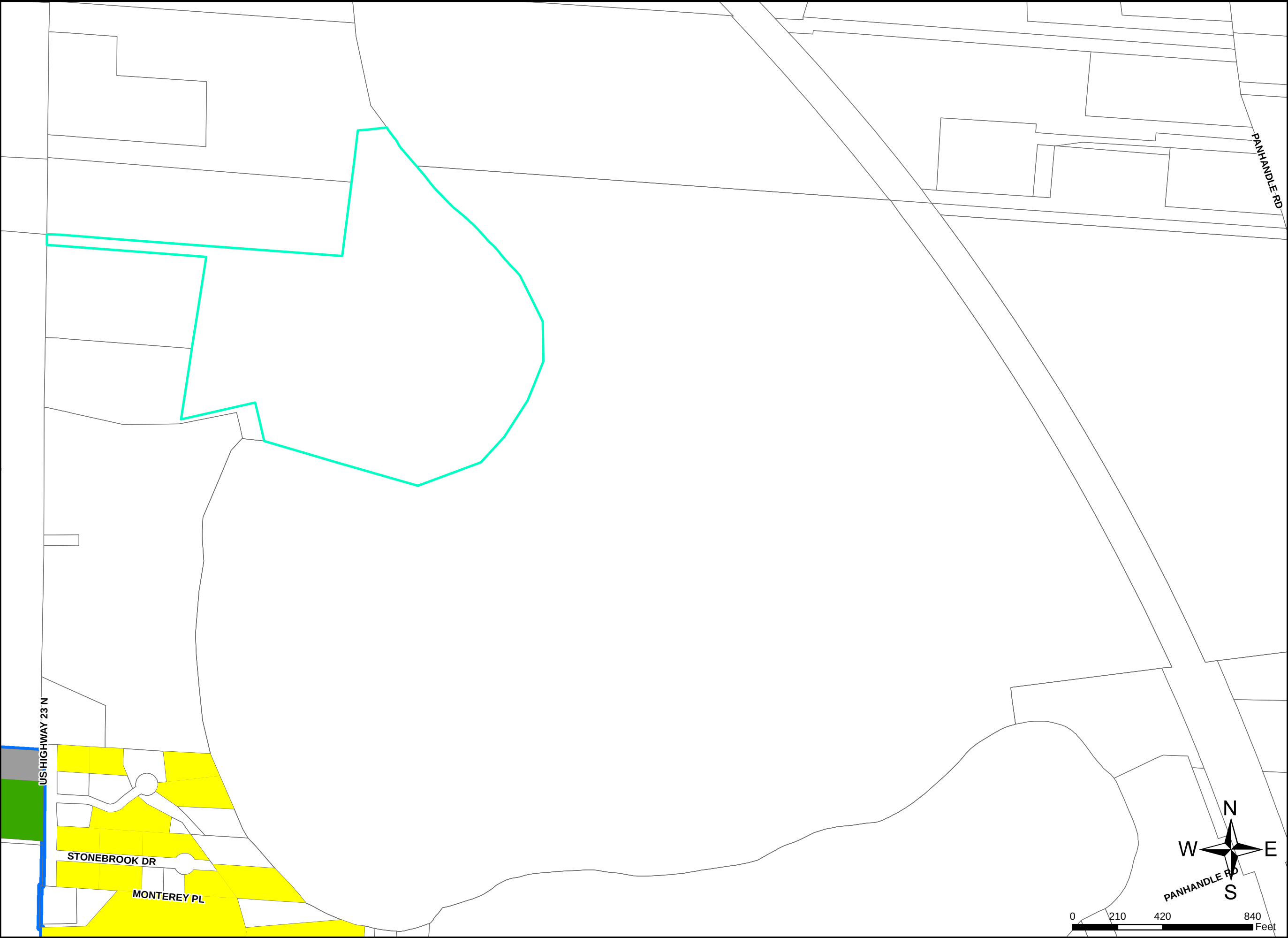




City of Delaware, Ohio Private Water Fixture Map

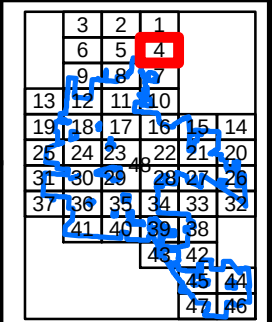
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-  Possibly Lead
-  Non-Lead
-  Corp. Limits

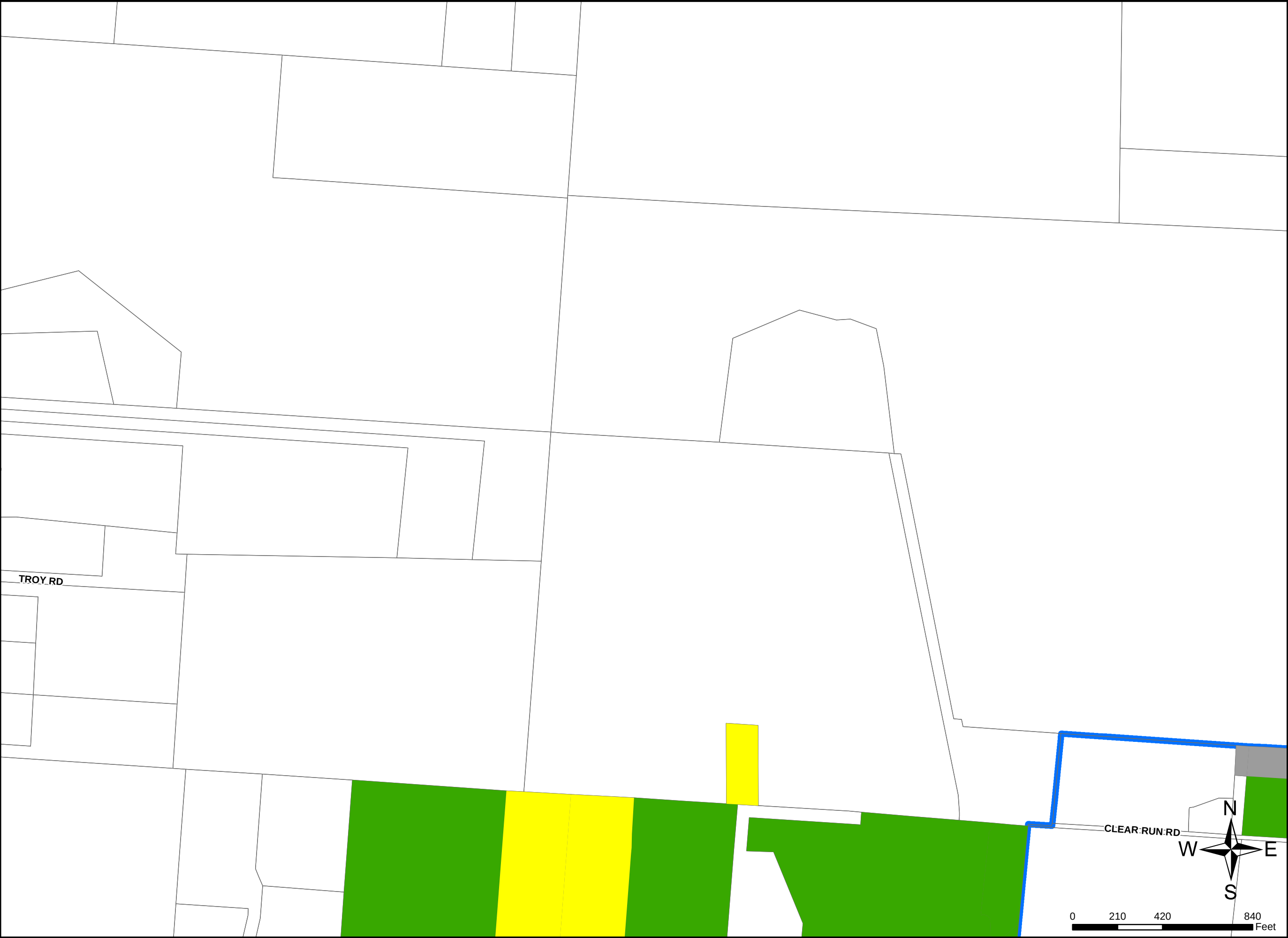




City of Delaware, Ohio Private Water Fixture Map

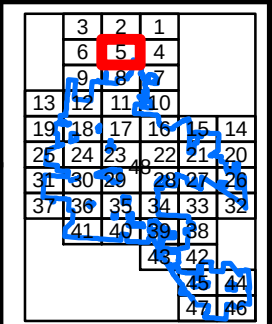
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-  Unknown
-  Possibly Lead
-  Non-Lead
-  Corp. Limits





City of Delaware, Ohio Private Water Fixture Map

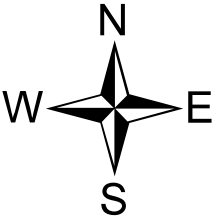
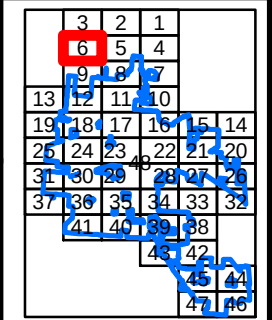
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-  Unknown
-  Possibly Lead
-  Non-Lead
-  Corp. Limits



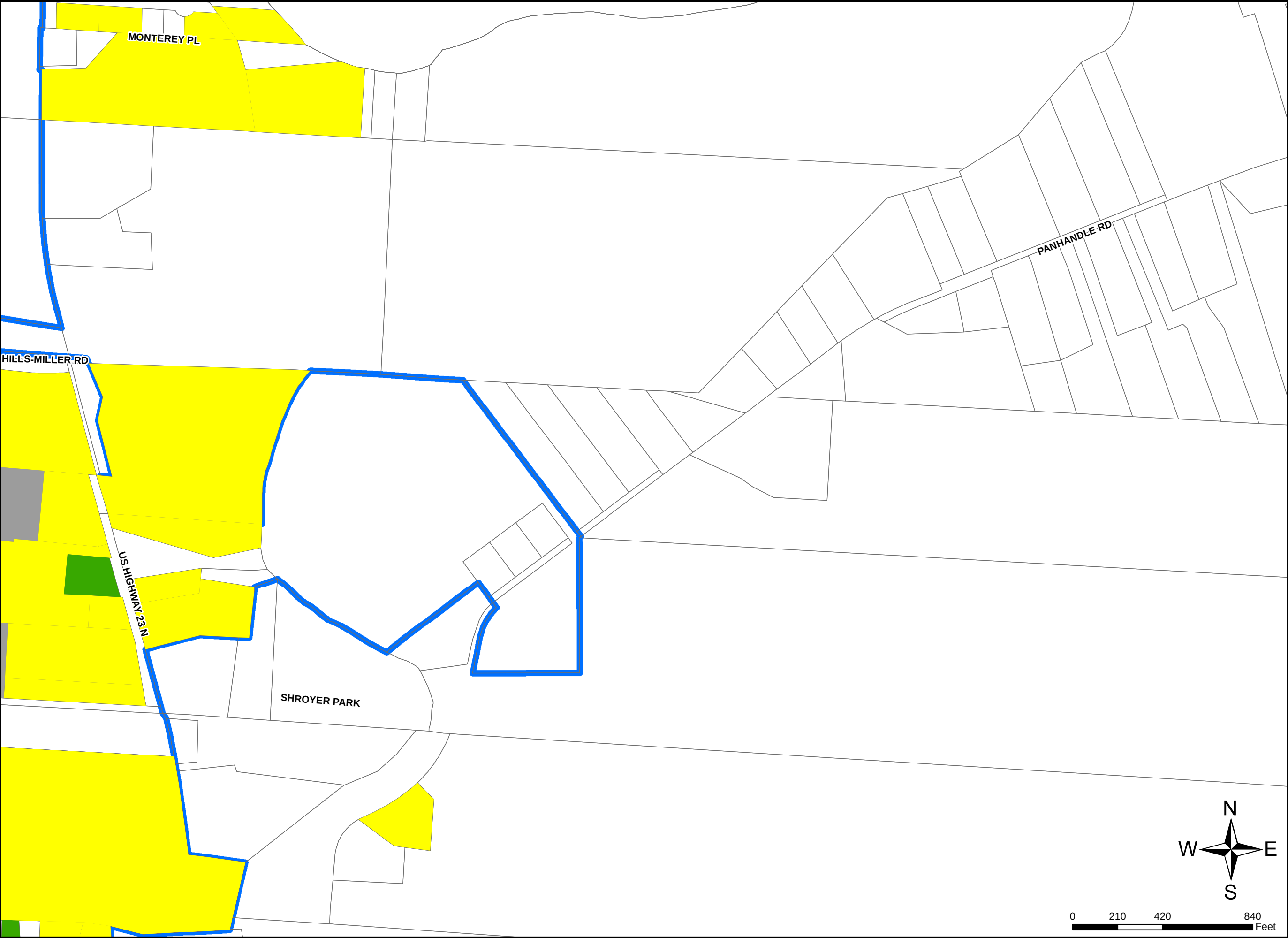


City of Delaware, Ohio Private Water Fixture Map

-  Tier 1 Sampling Location
-  Unknown
-  Possibly Lead
-  Non-Lead
-  Corp. Limits

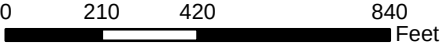
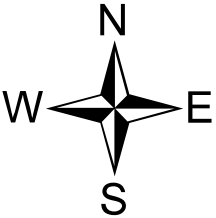
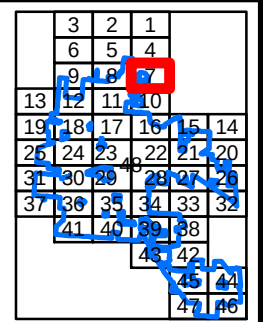


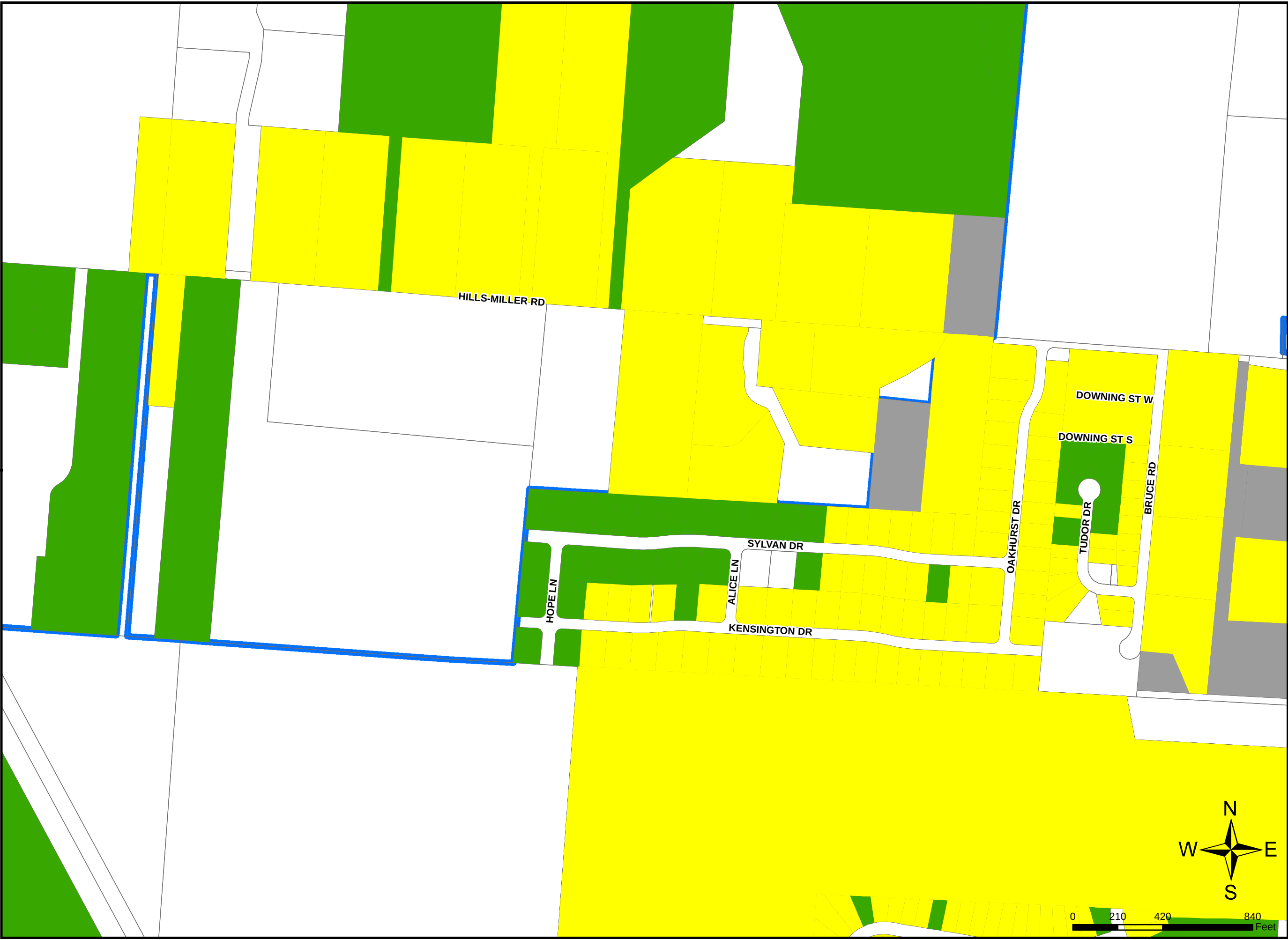
0 210 420 840 Feet



City of Delaware, Ohio Private Water Fixture Map

- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits





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City of Delaware, Ohio

Private Water Fixture Map

 Tier 1 Sampling Location

 Unknown

 Possibly Lead

 Non-Lead

 Corp. Limits

	3	2	1	
	6	5	4	
	9	8	7	
13	12	11	10	
19	18	17	16	15
25	24	23	22	21
31	30	29	28	27
37	36	35	34	33
	41	40	39	38
			43	42
			45	44
			47	46

8



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City of Delaware, Ohio Private Water Fixture Map

Tier 1
Sampling
Location

Unknown

Possibly
Lead

Non-Lead

Corp. Limits

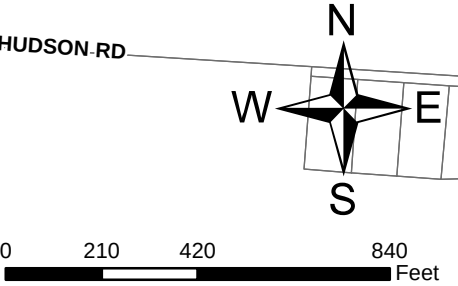
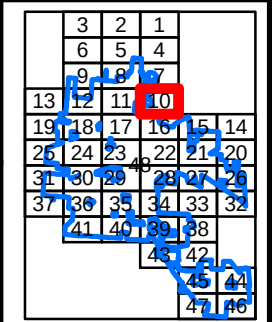
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25	24	23	22	21
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37	36	35	34	33
	41	40	39	38
		43	42	
		45	44	
		47	46	

9



City of Delaware, Ohio Private Water Fixture Map

- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits





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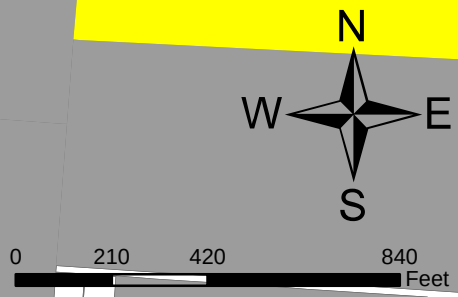
City of Delaware, Ohio

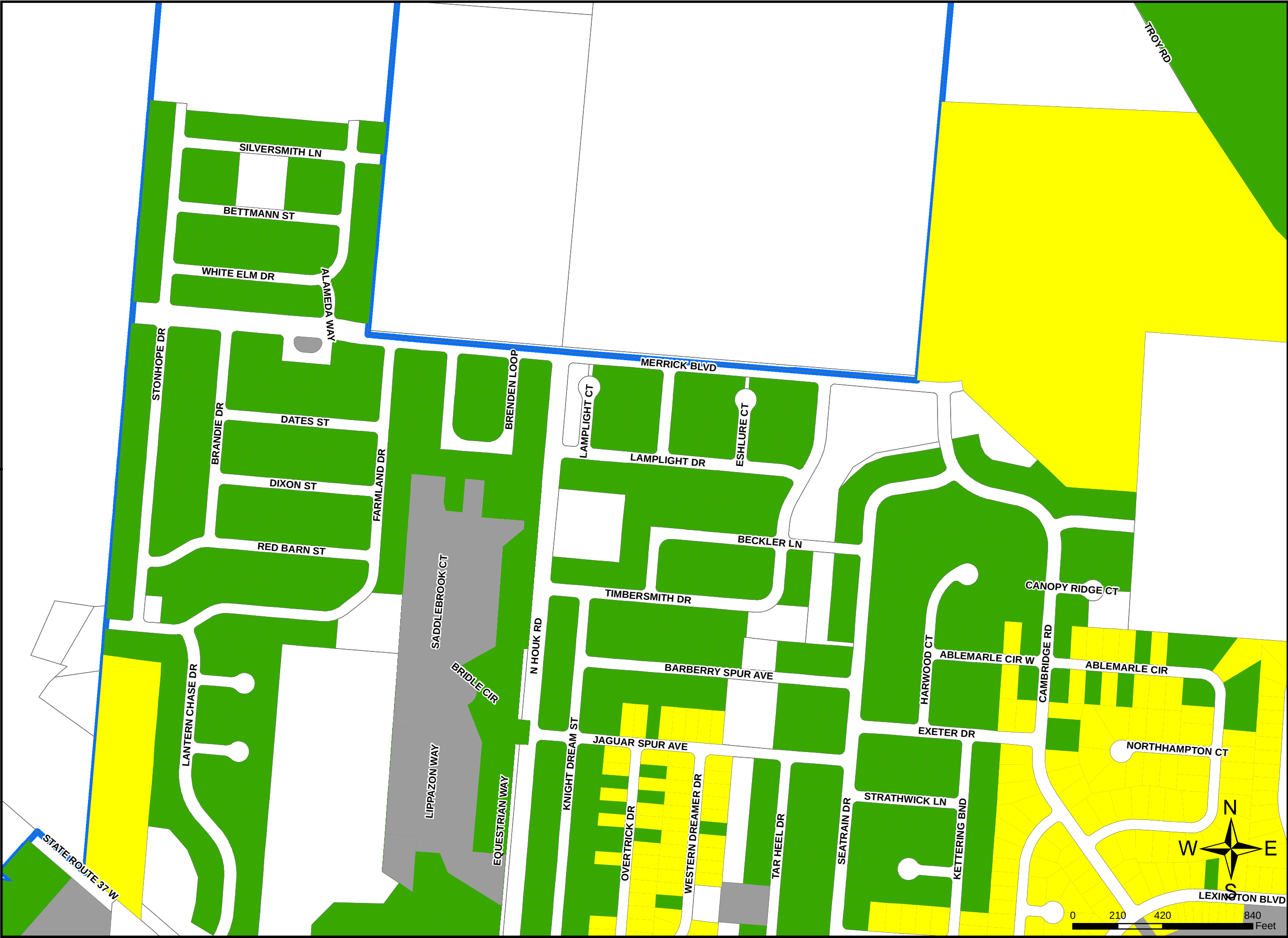
Private Water Fixture Map

- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits

	3	2	1	
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	9	8	7	
13	12	11	10	
19	18	17	16	15
25	24	23	22	21
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37	36	35	34	33
	41	40	39	38
		43	42	
			45	44
			47	46

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City of Delaware, Ohio Private Water Fixture Map

Tier 1
Sampling
Location

Unknown

Possibly
Lead

Non-Lead

Corp. Limits

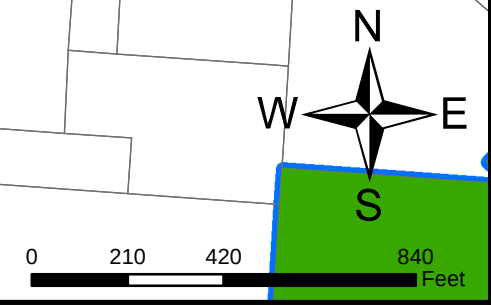
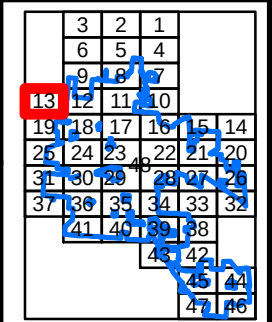
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			46	

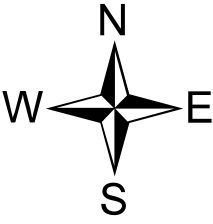
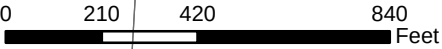
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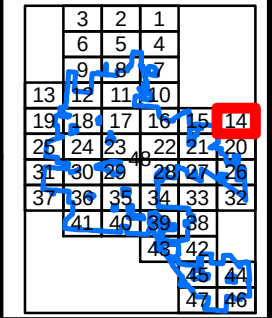
City of Delaware, Ohio Private Water Fixture Map

-  Tier 1 Sampling Location
-  Unknown
-  Possibly Lead
-  Non-Lead
-  Corp. Limits





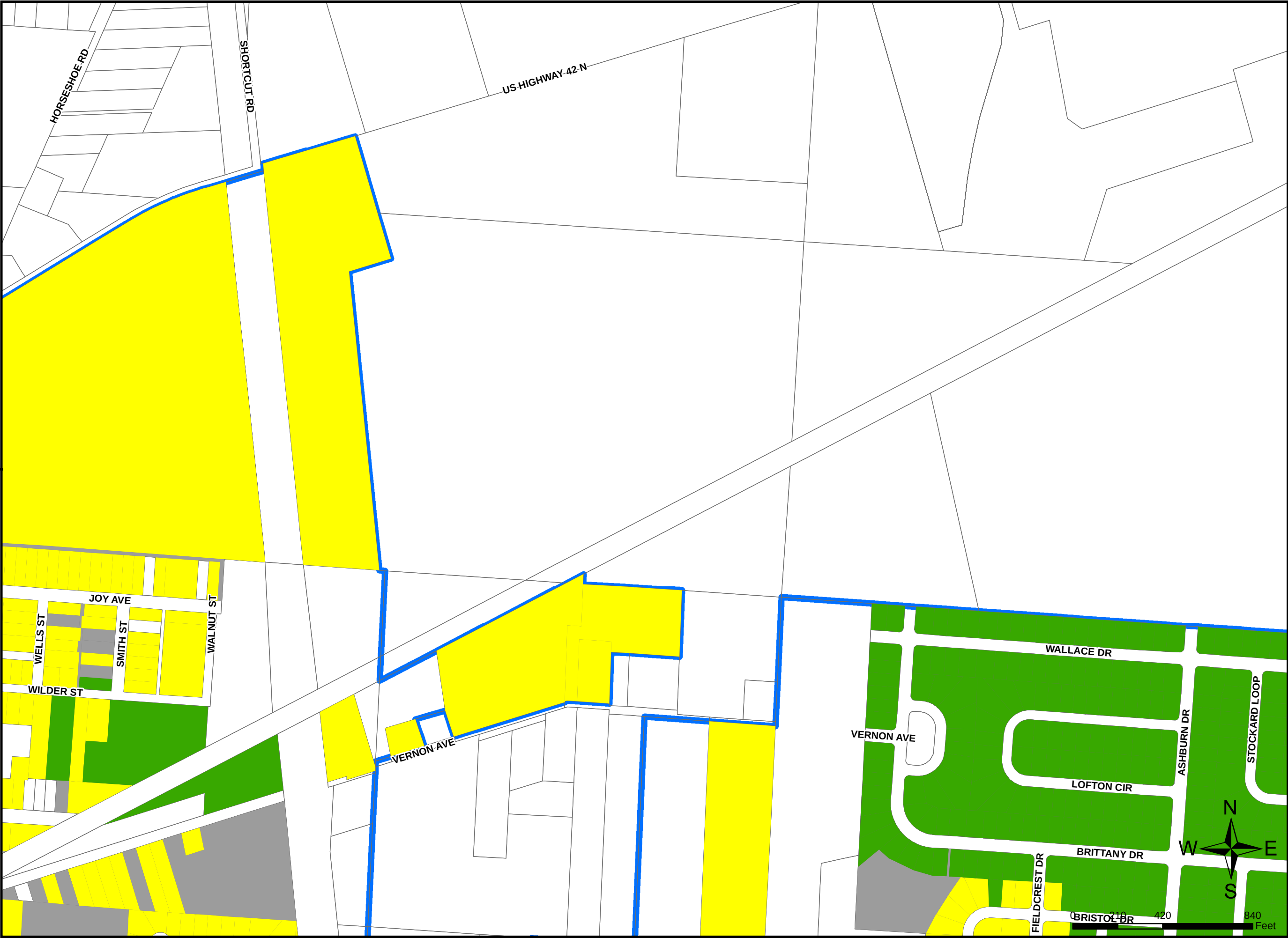
- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits



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City of Delaware, Ohio
Private Water Fixture Map

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City of Delaware, Ohio

Private Water Fixture Map

Tier 1
Sampling
Location

Unknown

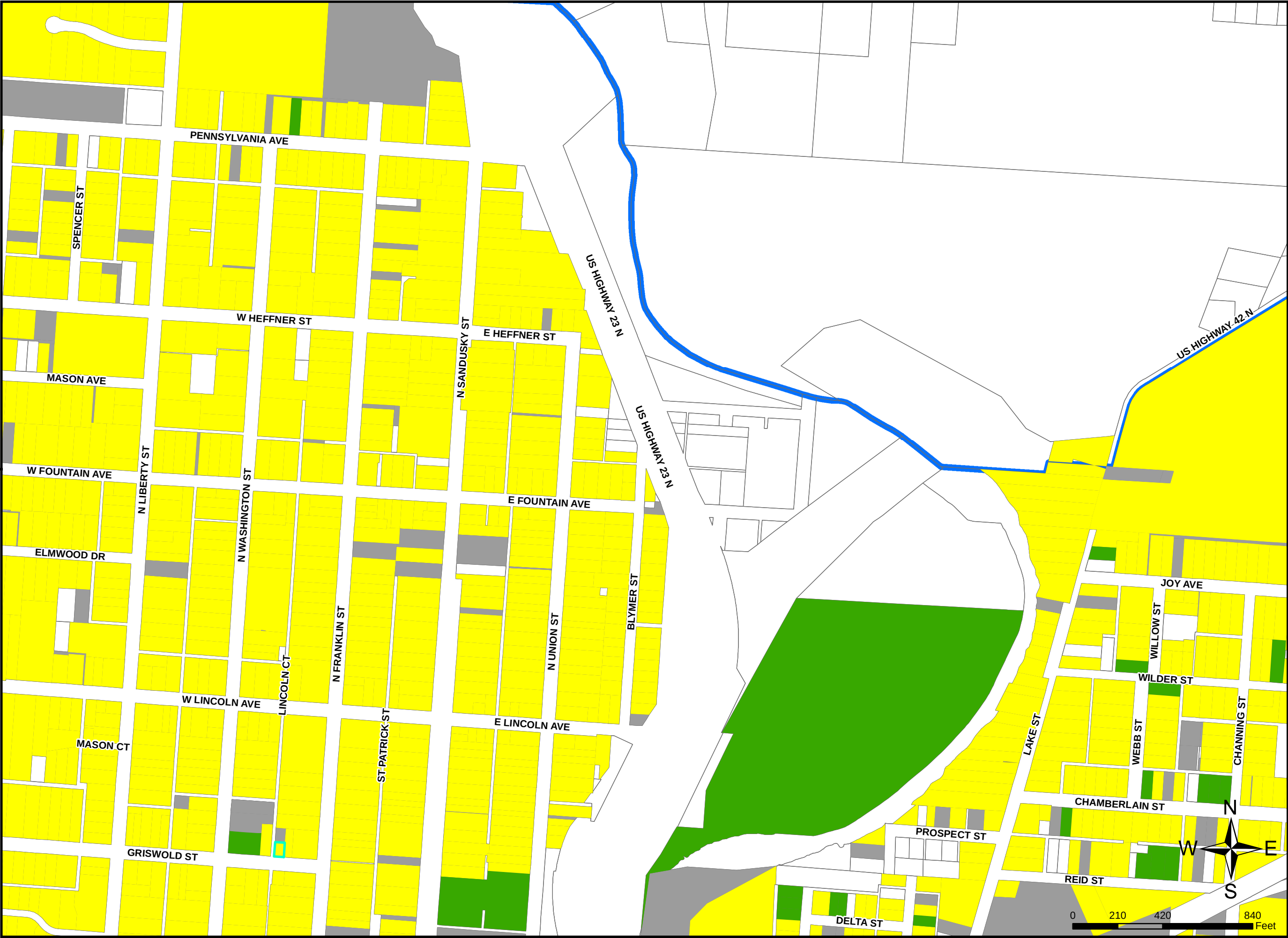
Possibly
Lead

Non-Lead

Corp. Limits

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	6	5	4	
	9	8	7	
13	12	11	10	
19	18	17	16	15
25	24	23	22	21
31	30	29	28	27
37	36	35	34	33
	41	40	39	38
		43	42	
			45	44
			47	46

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City of Delaware, Ohio

Private Water Fixture Map

 Tier 1 Sampling Location

 Unknown

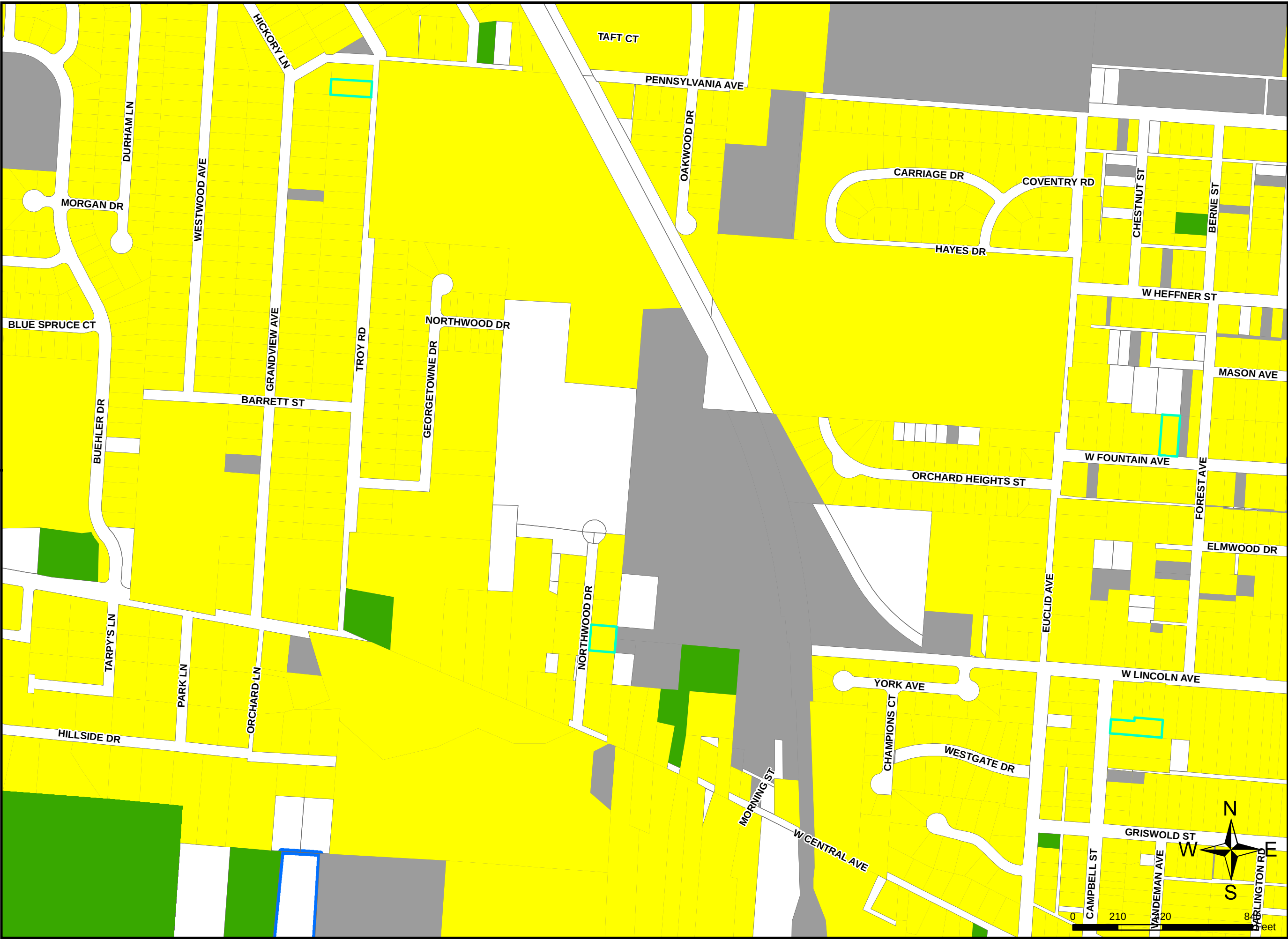
 Possibly Lead

 Non-Lead

 Corp. Limits

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	6	5	4	
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13	12	11	10	
19	18	17	16	15
25	24	23	22	21
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41	40	39	38	43
			45	44
			47	46

16



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City of Delaware, Ohio

Private Water Fixture Map

Tier 1
Sampling
Location

Unknown

Possibly
Lead

Non-Lead

Corp. Limits

	3	2	1	
	6	5	4	
	9	8	7	
13	12	11	10	
19	18	17	16	15
25	24	23	22	21
31	30	29	28	27
37	36	35	34	33
	41	40	39	38
		43	42	
			45	44
			47	46

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City of Delaware, Ohio

Private Water Fixture Map

Tier 1
Sampling
Location

Unknown

Possibly
Lead

Non-Lead

Corp. Limits

	3	2	1	
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	9	8	7	
13	12	11	10	
19	18	17	16	15 14
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31	30	29	28	27 26
37	36	35	34	33 32
	41	40	39	38
			43	42
			45	44
			47	46

0 210 420 840 Feet

18



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City of Delaware, Ohio

Private Water Fixture Map

Tier 1
Sampling
Location

Unknown

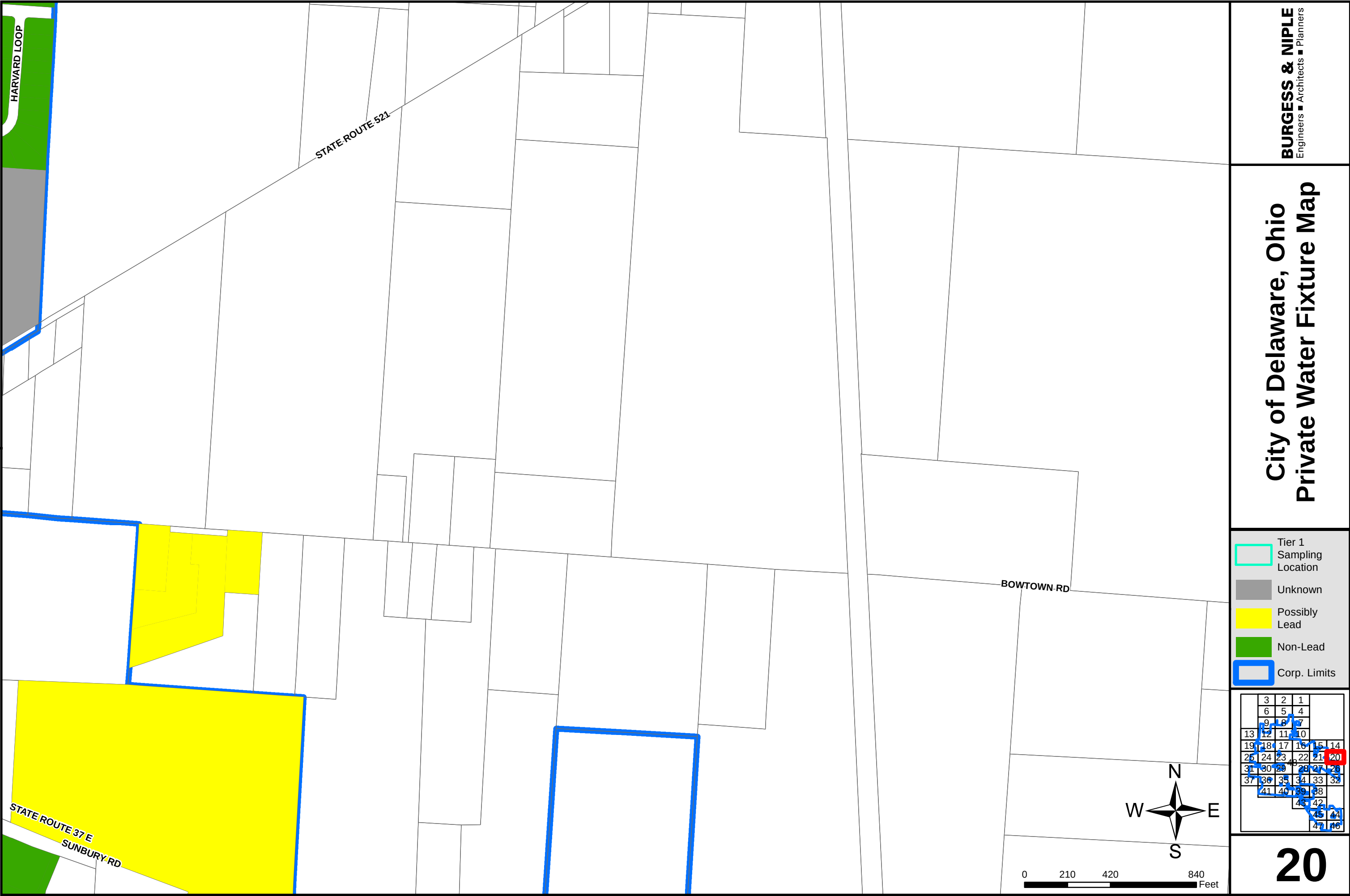
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Lead

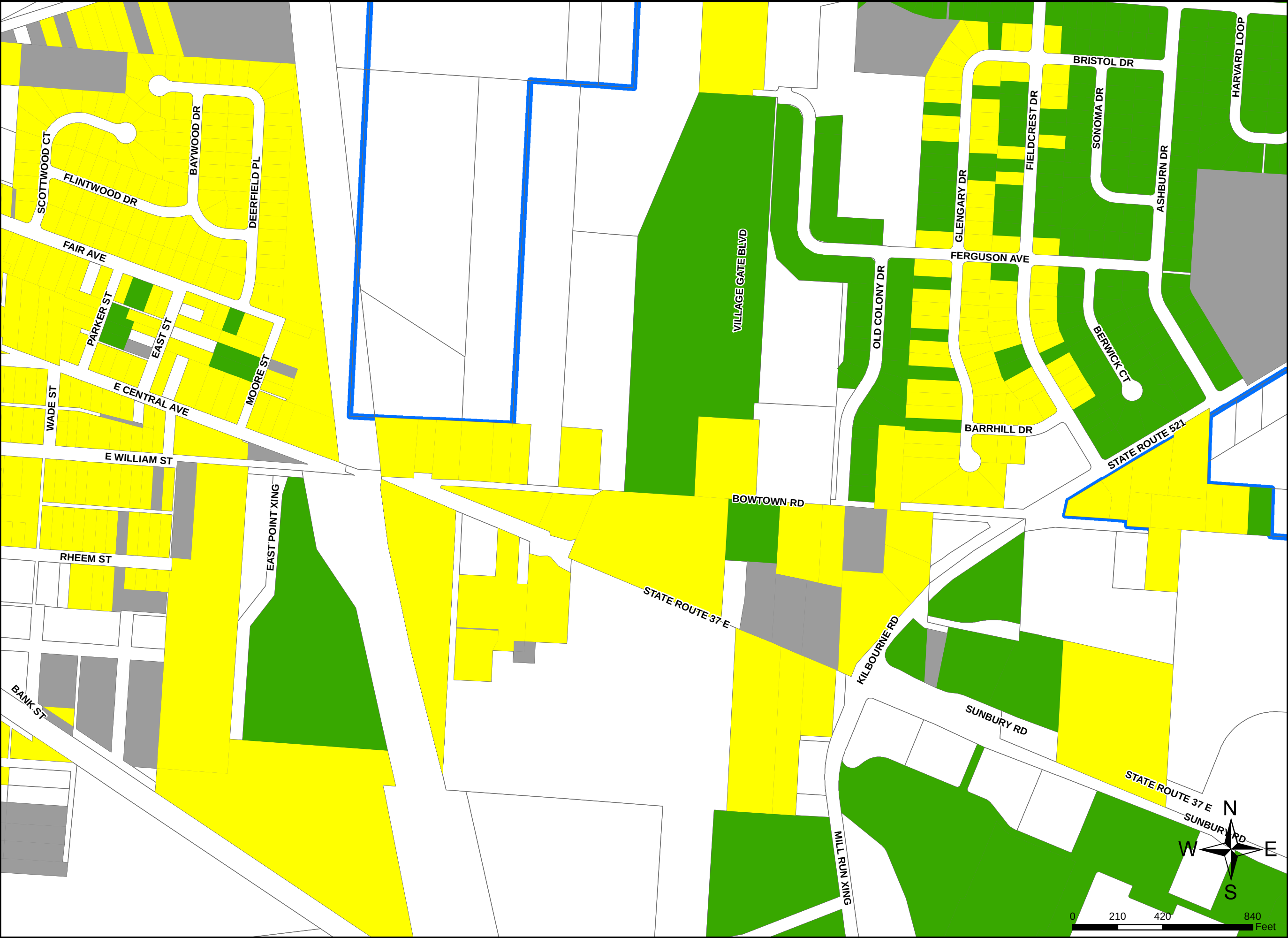
Non-Lead

Corp. Limits

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		43	42	
		45	44	
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19





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City of Delaware, Ohio

Private Water Fixture Map

Tier 1
Sampling
Location

Unknown

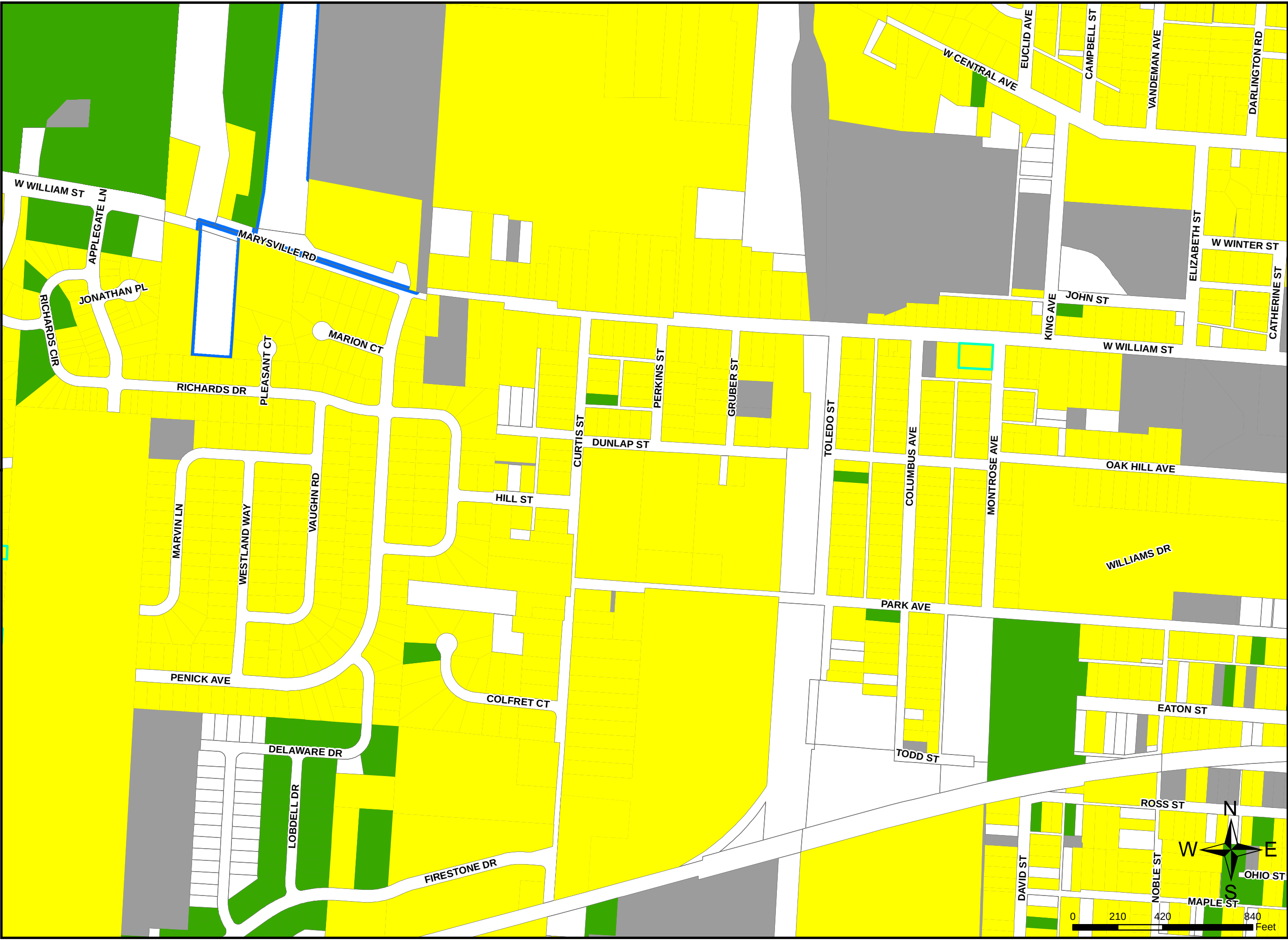
Possibly
Lead

Non-Lead

Corp. Limits

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	41	40	39	38
		43	42	
			45	44
			47	46

21



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City of Delaware, Ohio

Private Water Fixture Map

Tier 1
Sampling
Location

Unknown

Possibly
Lead

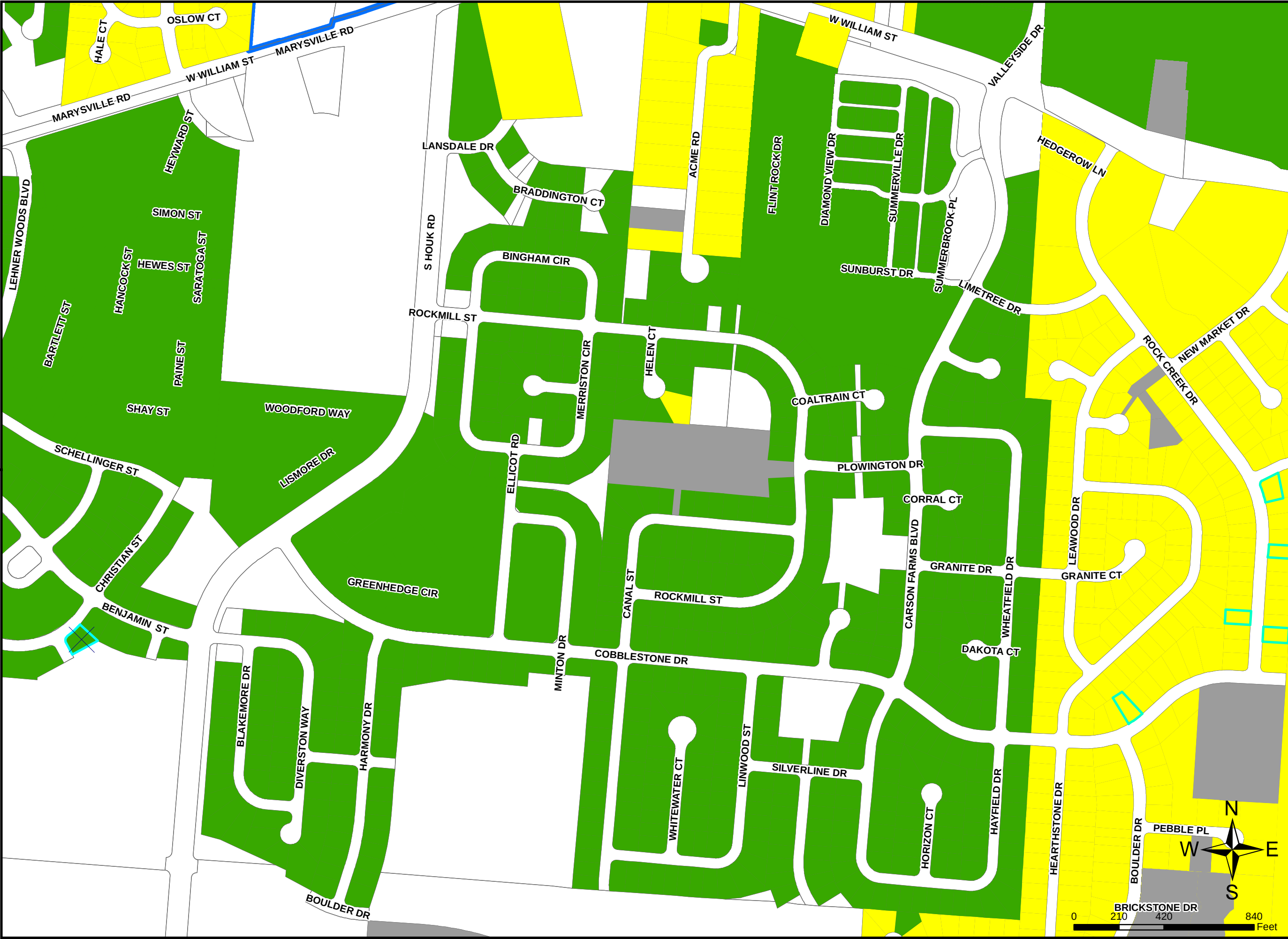
Non-Lead

Corp. Limits

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31	30	29	28	27 26
37	36	35	34	33 32
	41	40	39	38
		43	42	
			45	44
			47	46

0 210 420 840 Feet

23



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City of Delaware, Ohio Private Water Fixture Map

Tier 1
Sampling
Location

Unknown

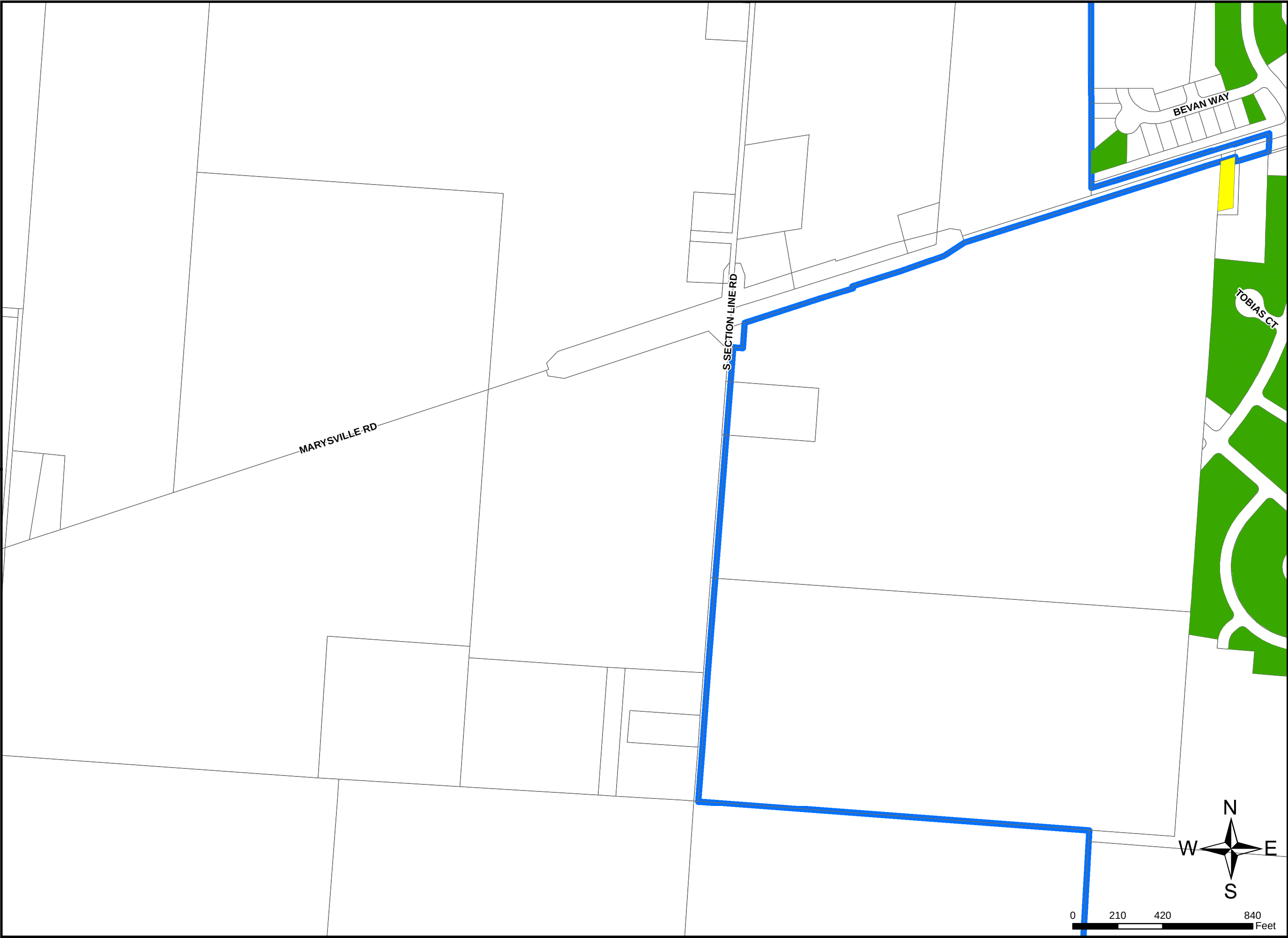
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Lead

Non-Lead

Corp. Limits

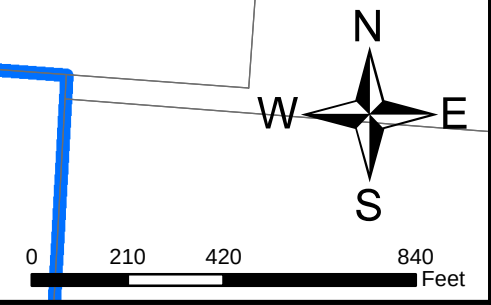
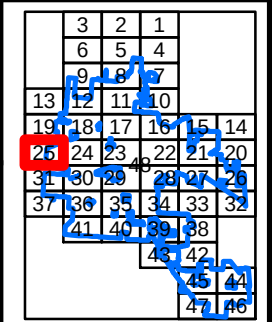
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City of Delaware, Ohio Private Water Fixture Map

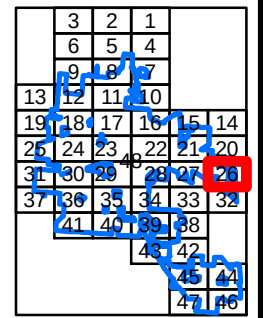
- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits



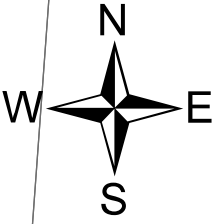


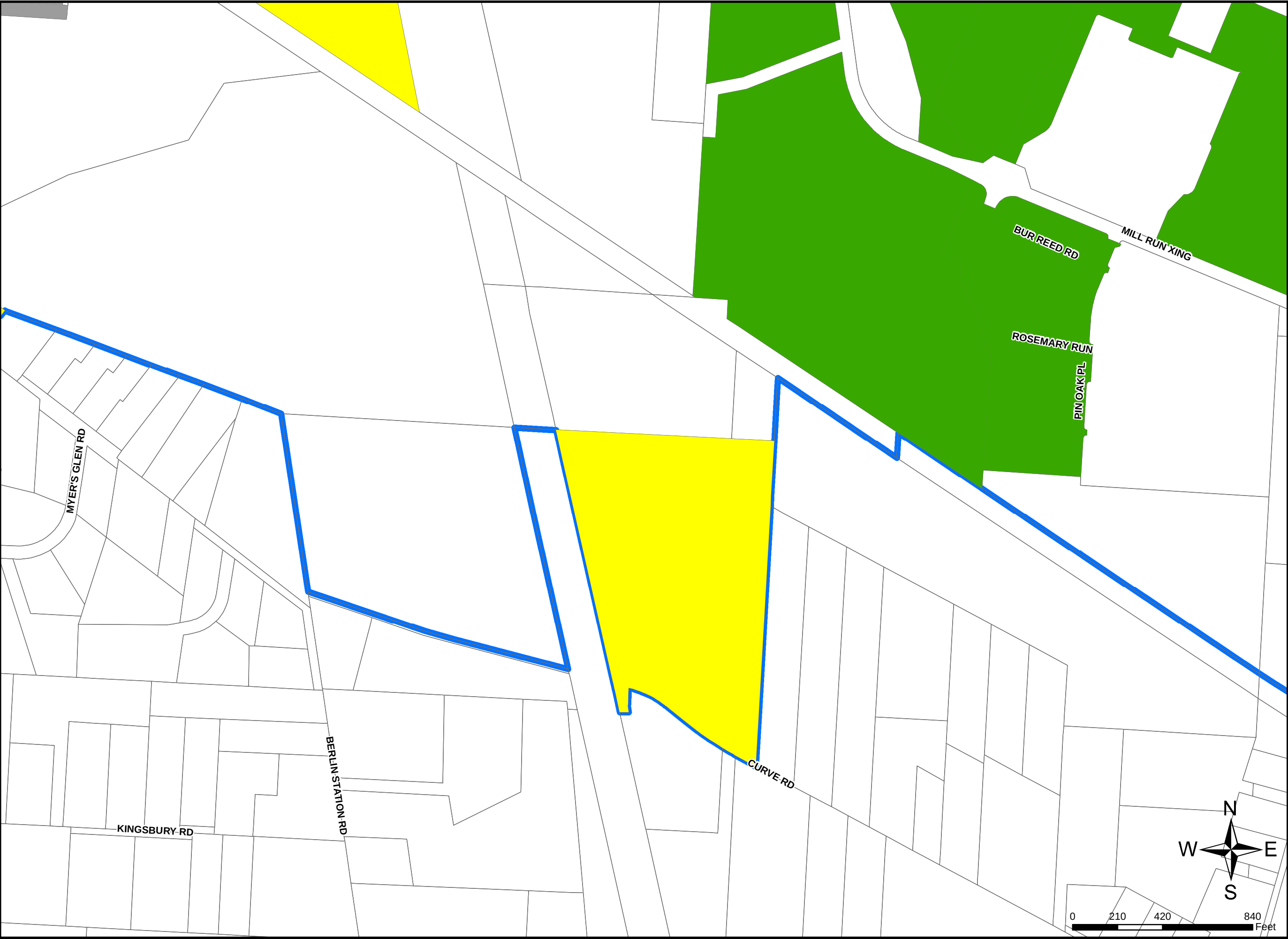
City of Delaware, Ohio Private Water Fixture Map

-  Tier 1 Sampling Location
-  Unknown
-  Possibly Lead
-  Non-Lead
-  Corp. Limits



0 210 420 840 Feet





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City of Delaware, Ohio

Private Water Fixture Map

Tier 1 Sampling Location

Unknown

Possibly Lead

Non-Lead

Corp. Limits

	3	2	1	
	6	5	4	
	9	8	7	
13	12	11	10	
19	18	17	16	15
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31	30	29	28	27
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Feet

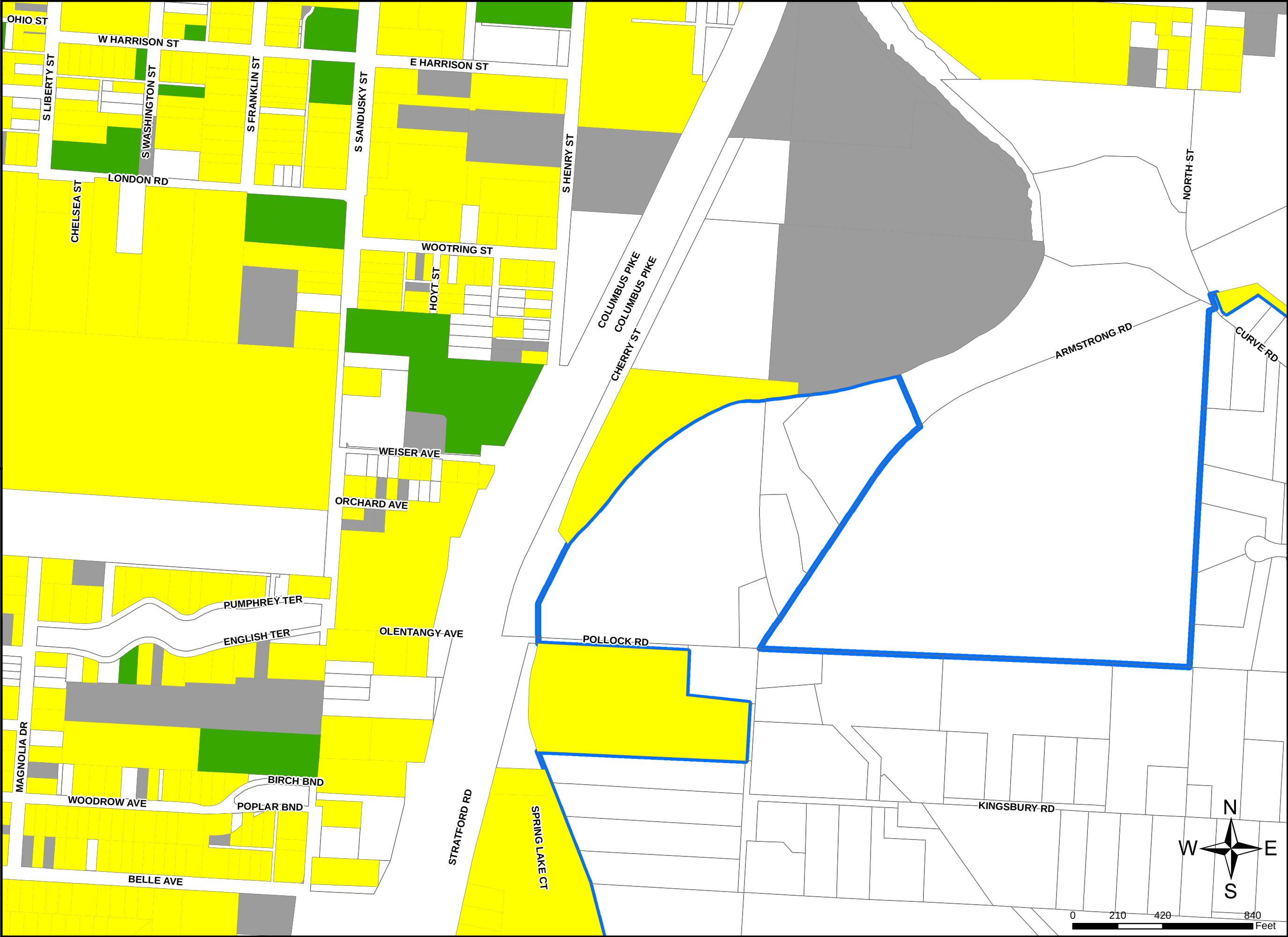
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City of Delaware, Ohio

Private Water Fixture Map

Tier 1
Sampling
Location

Unknown

Possibly
Lead

Non-Lead

Corp. Limits

	3	2	1	
	6	5	4	
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13	12	11	10	
19	18	17	16	15 14
25	24	23	22	21 20
31	30	29	28	27 26
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0210420840

Feet

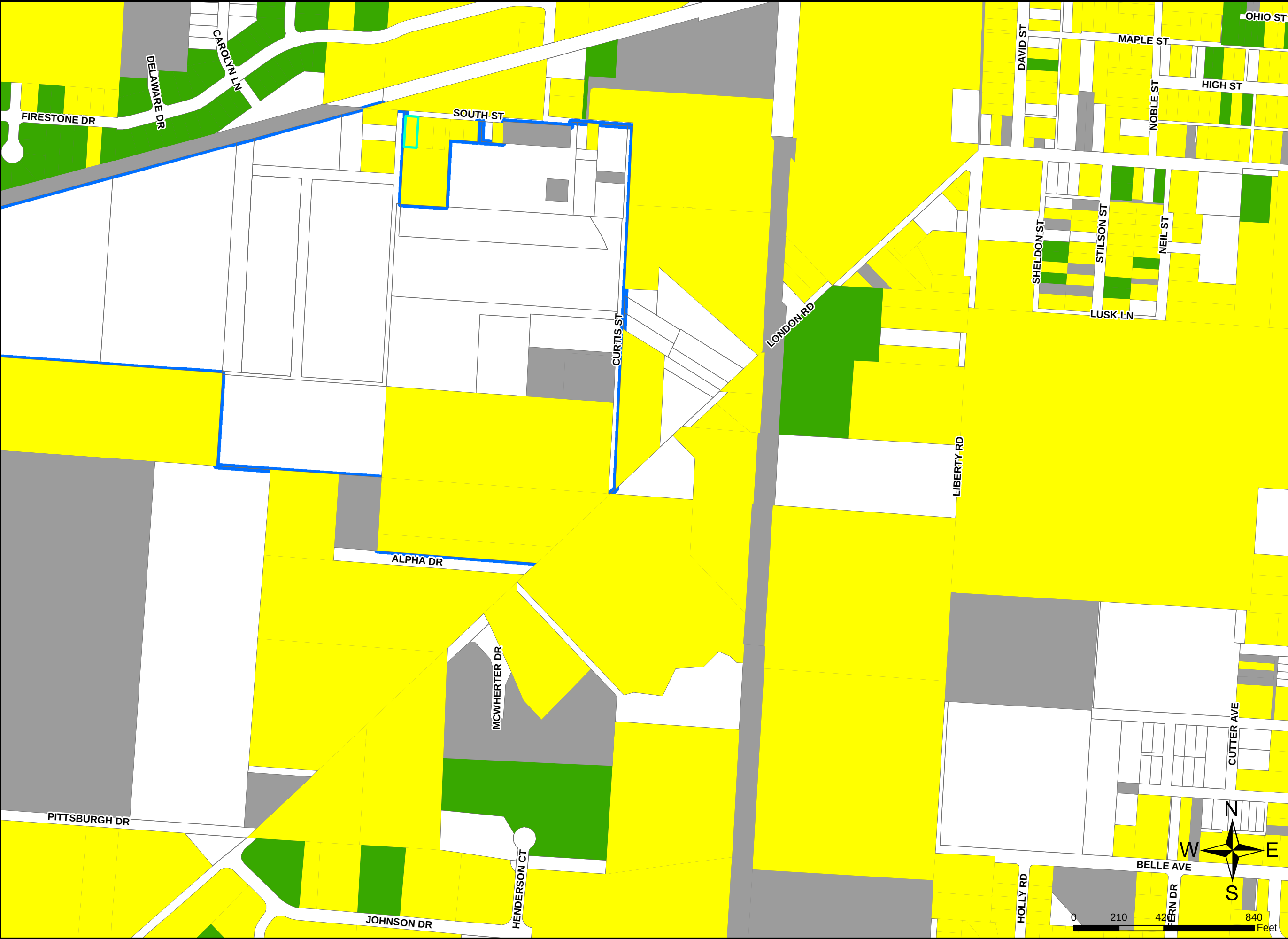
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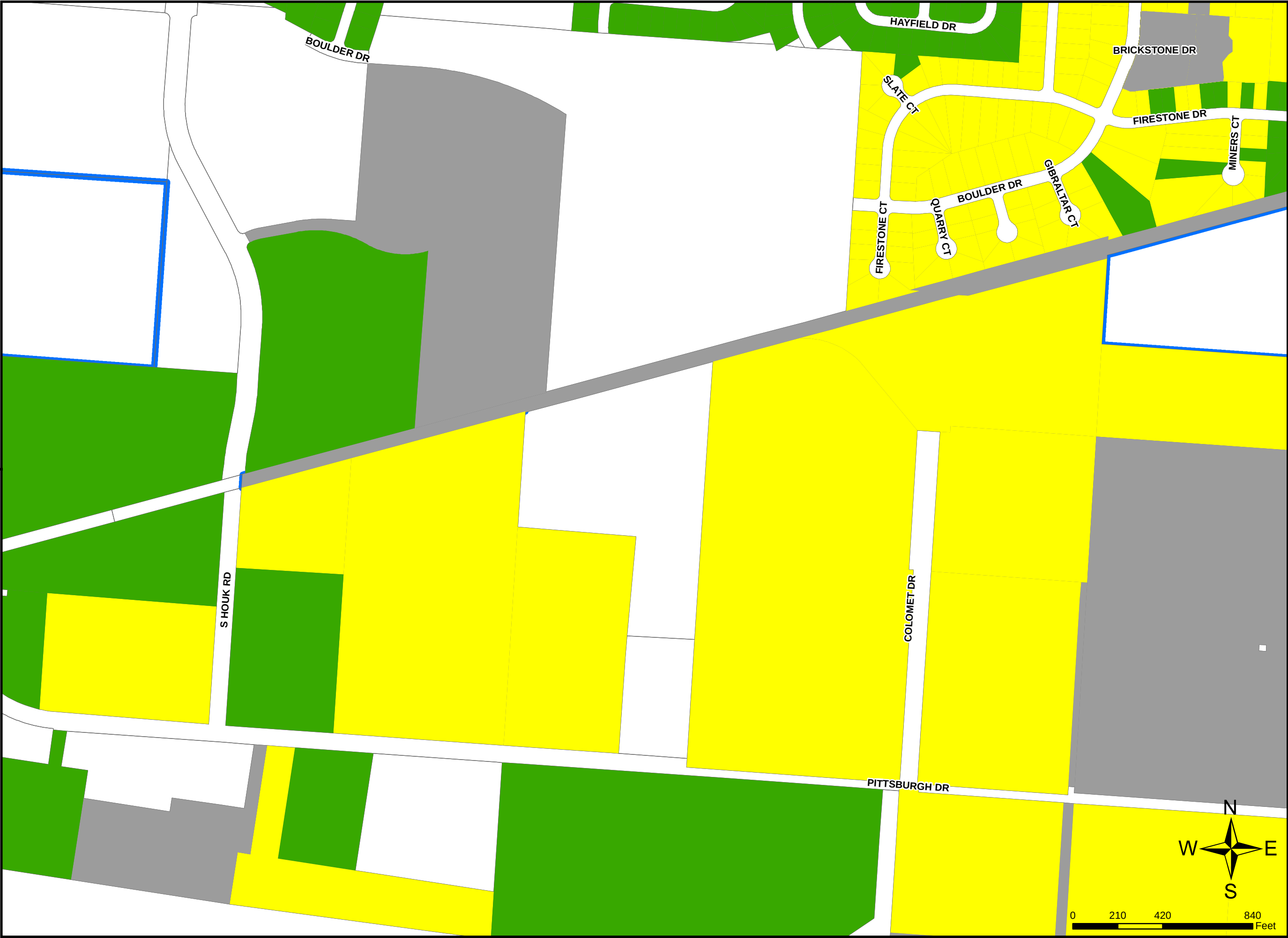
28



City of Delaware, Ohio Private Water Fixture Map

- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits

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	9	8	7	
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19	18	17	16	15
25	24	23	22	21
31	30	29	28	27
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41	40	39	38	37
		45	44	
		47	46	



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City of Delaware, Ohio

Private Water Fixture Map

Tier 1 Sampling Location

Unknown

Possibly Lead

Non-Lead

Corp. Limits

	3	2	1	
	6	5	4	
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13	12	11	10	
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25	24	23	22	21 20
31	30	29	28	27 26
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			45	44
			47	46

0210420840

Feet

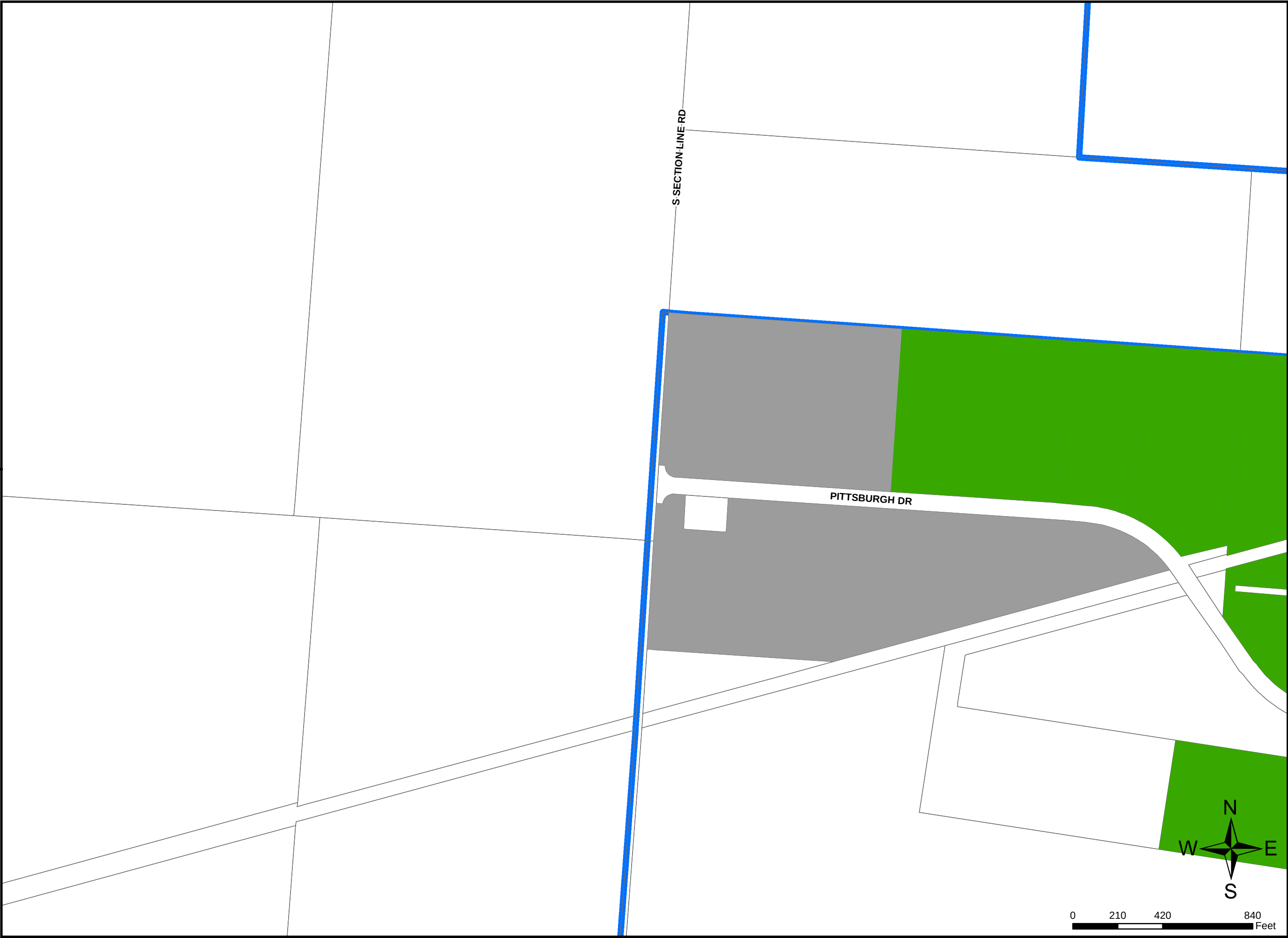
W

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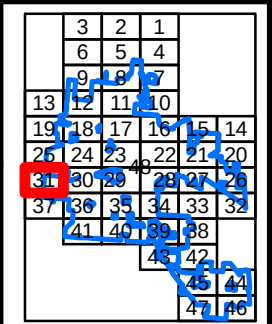
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30



City of Delaware, Ohio Private Water Fixture Map

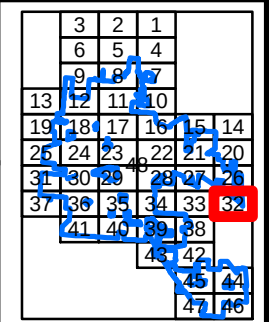
- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits

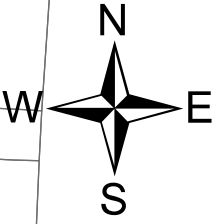
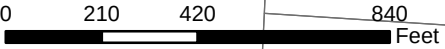




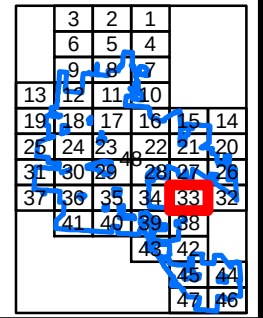
City of Delaware, Ohio Private Water Fixture Map

-  Tier 1 Sampling Location
-  Unknown
-  Possibly Lead
-  Non-Lead
-  Corp. Limits





- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits



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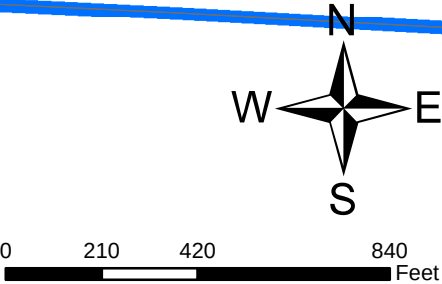
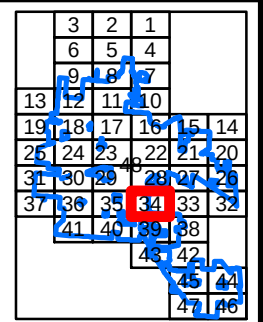
City of Delaware, Ohio Private Water Fixture Map

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City of Delaware, Ohio Private Water Fixture Map

- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits

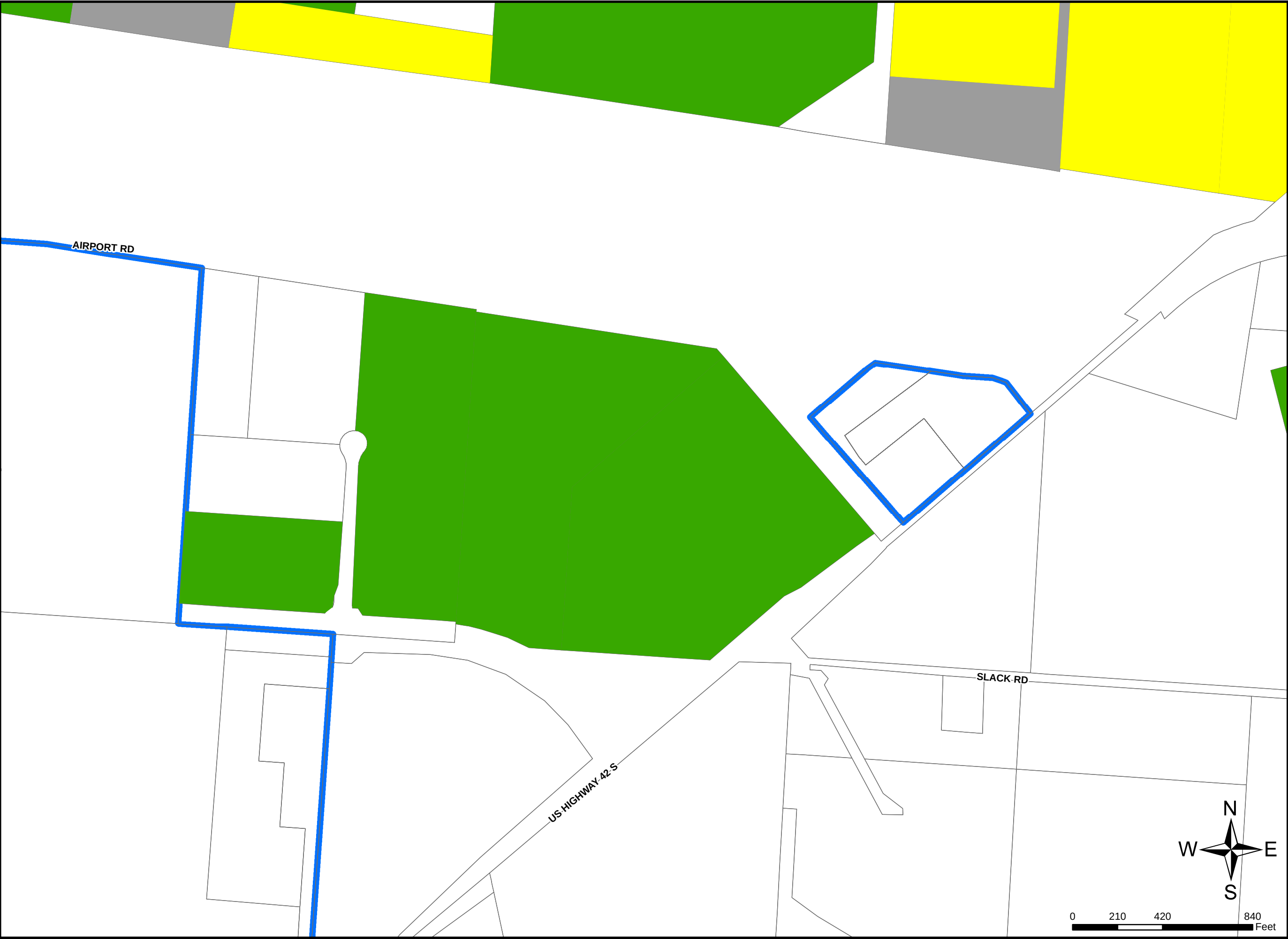




City of Delaware, Ohio Private Water Fixture Map

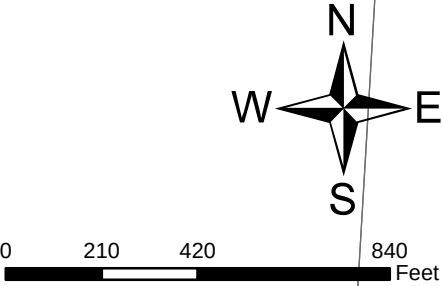
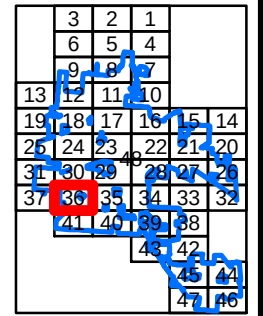
- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits

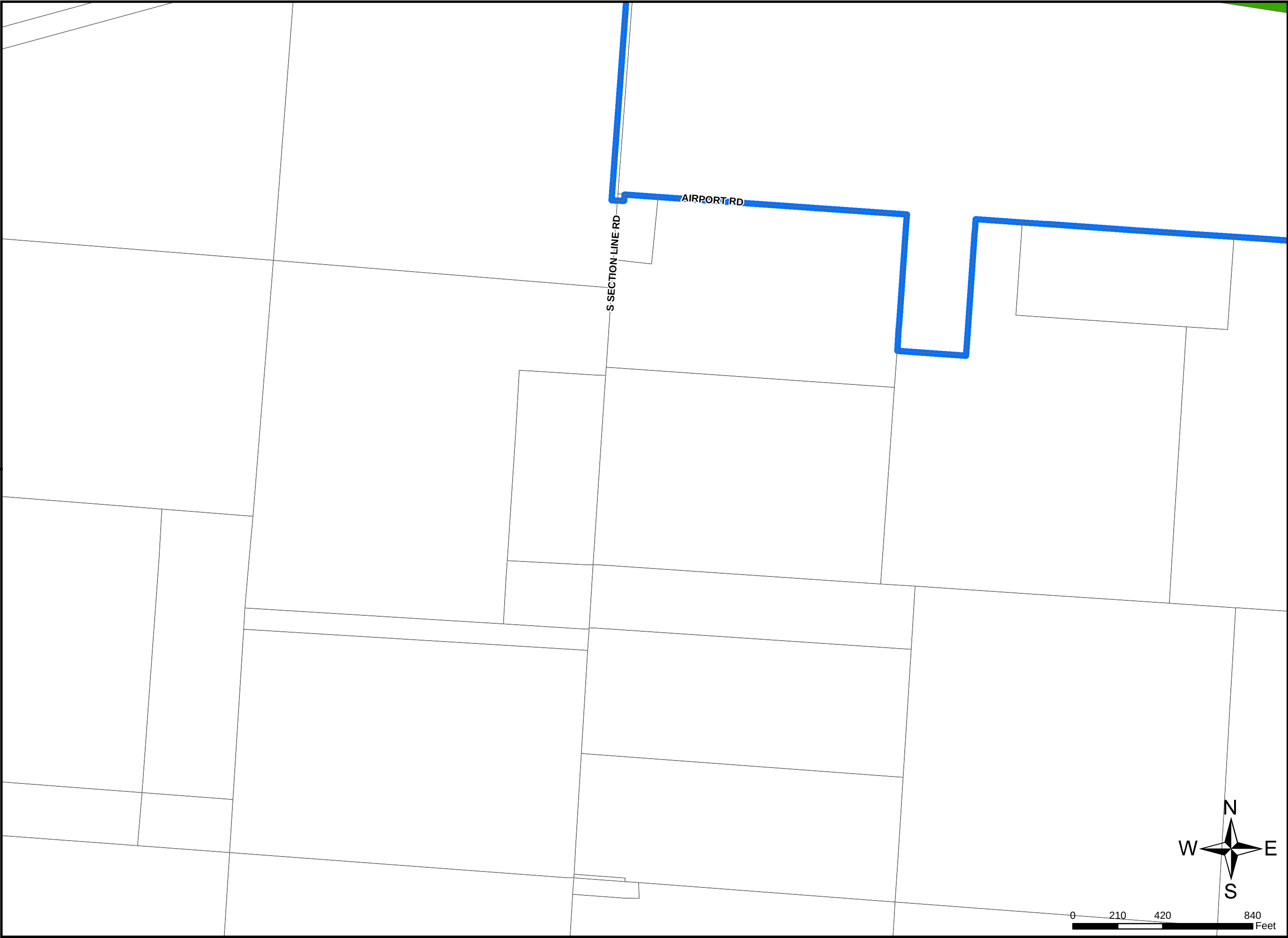
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City of Delaware, Ohio Private Water Fixture Map

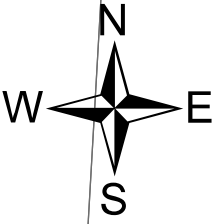
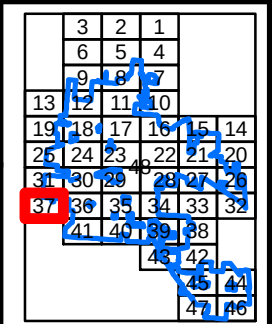
- Tier 1 Sampling Location
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- Possibly Lead
- Non-Lead
- Corp. Limits



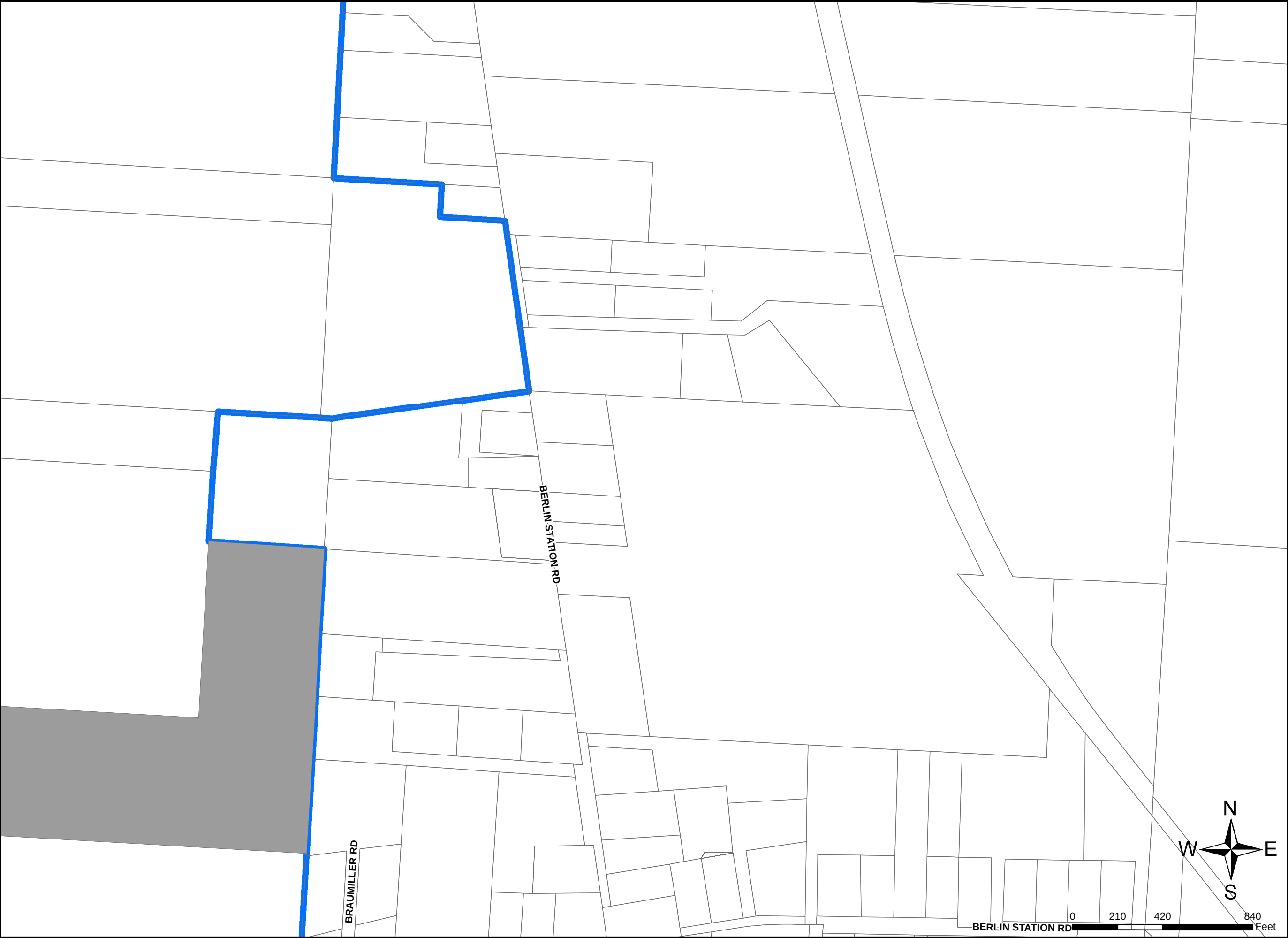


City of Delaware, Ohio Private Water Fixture Map

-  Tier 1 Sampling Location
-  Unknown
-  Possibly Lead
-  Non-Lead
-  Corp. Limits



0 210 420 840 Feet



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City of Delaware, Ohio Private Water Fixture Map

Tier 1
Sampling
Location

Unknown

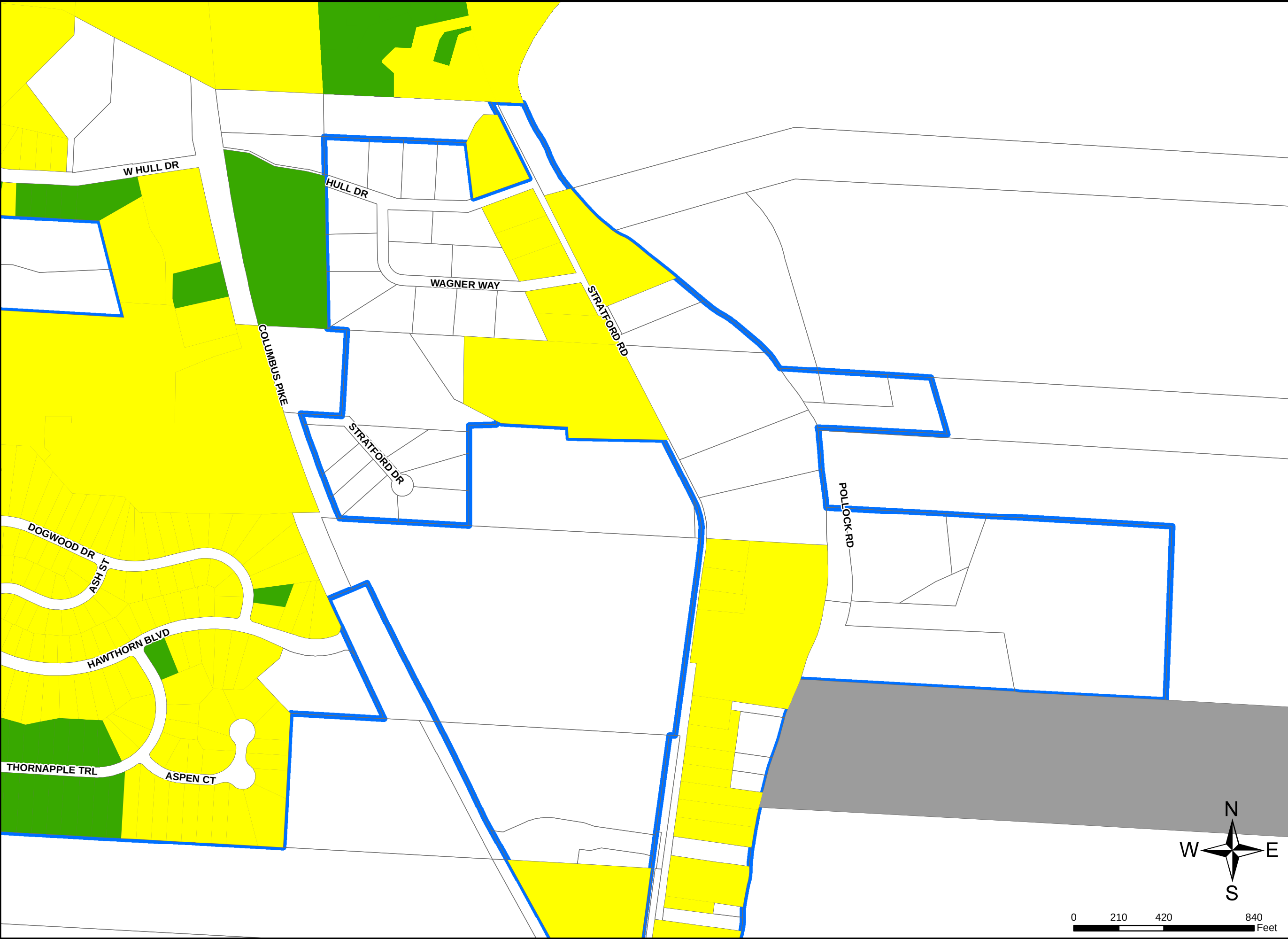
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Non-Lead

Corp. Limits

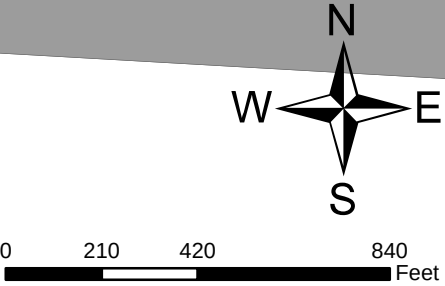
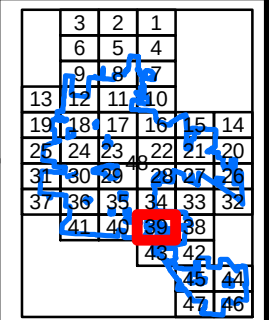
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38



City of Delaware, Ohio Private Water Fixture Map

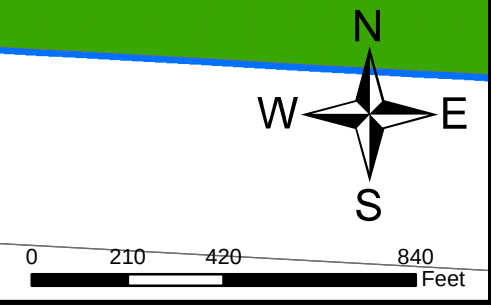
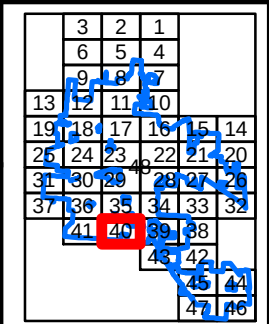
- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits





City of Delaware, Ohio Private Water Fixture Map

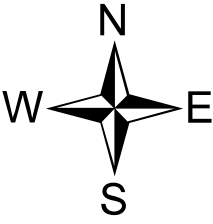
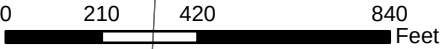
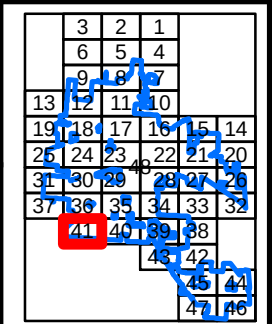
- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits





City of Delaware, Ohio Private Water Fixture Map

-  Tier 1 Sampling Location
-  Unknown
-  Possibly Lead
-  Non-Lead
-  Corp. Limits





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City of Delaware, Ohio

Private Water Fixture Map

Tier 1 Sampling Location

Unknown

Possibly Lead

Non-Lead

Corp. Limits

	3	2	1	
	6	5	4	
	9	8	7	
13	12	11	10	
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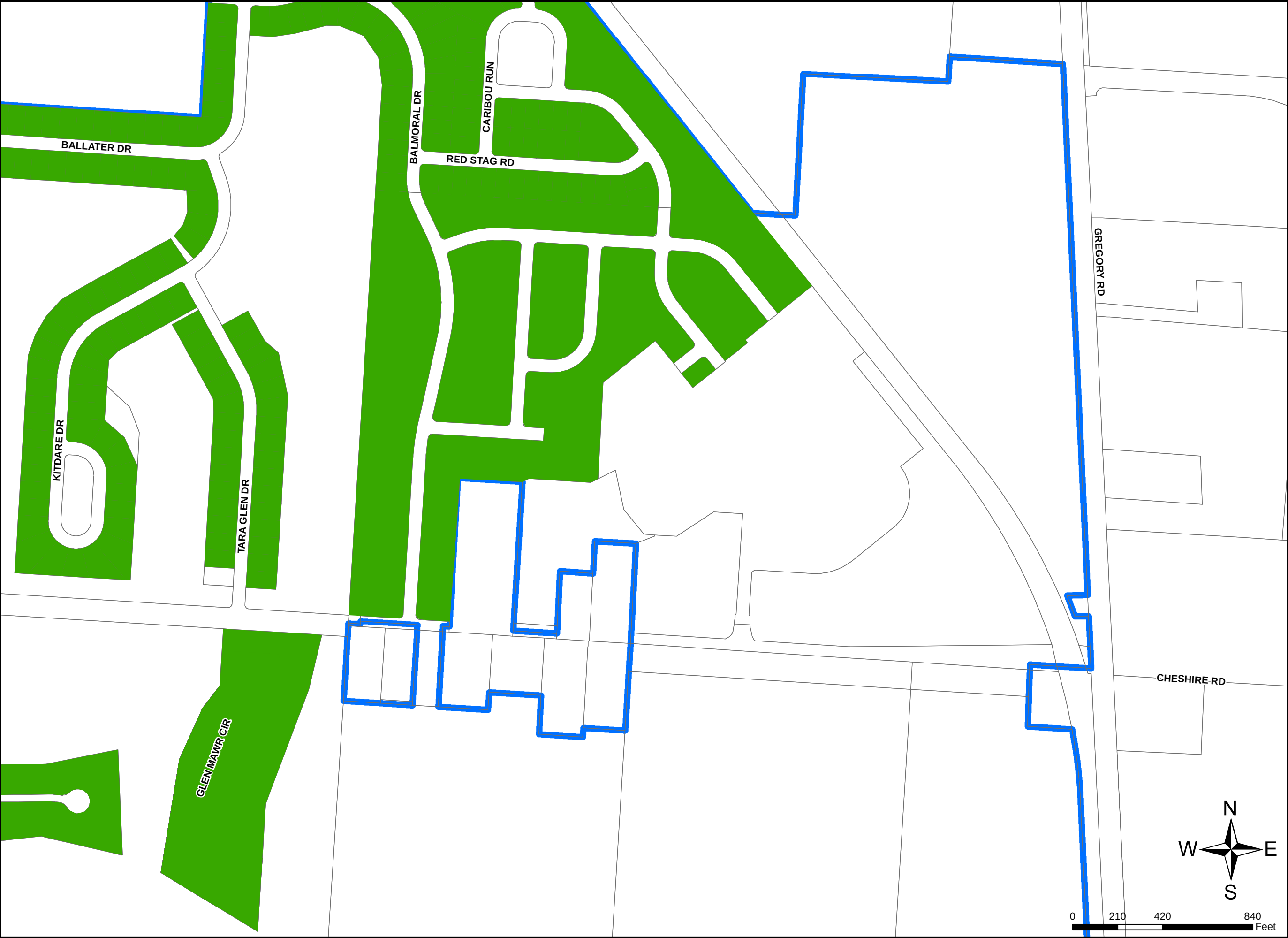
42



City of Delaware, Ohio Private Water Fixture Map

- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits

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	9	8	7	
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	43	42		
	45	44		
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City of Delaware, Ohio Private Water Fixture Map

Tier 1
Sampling
Location

Unknown

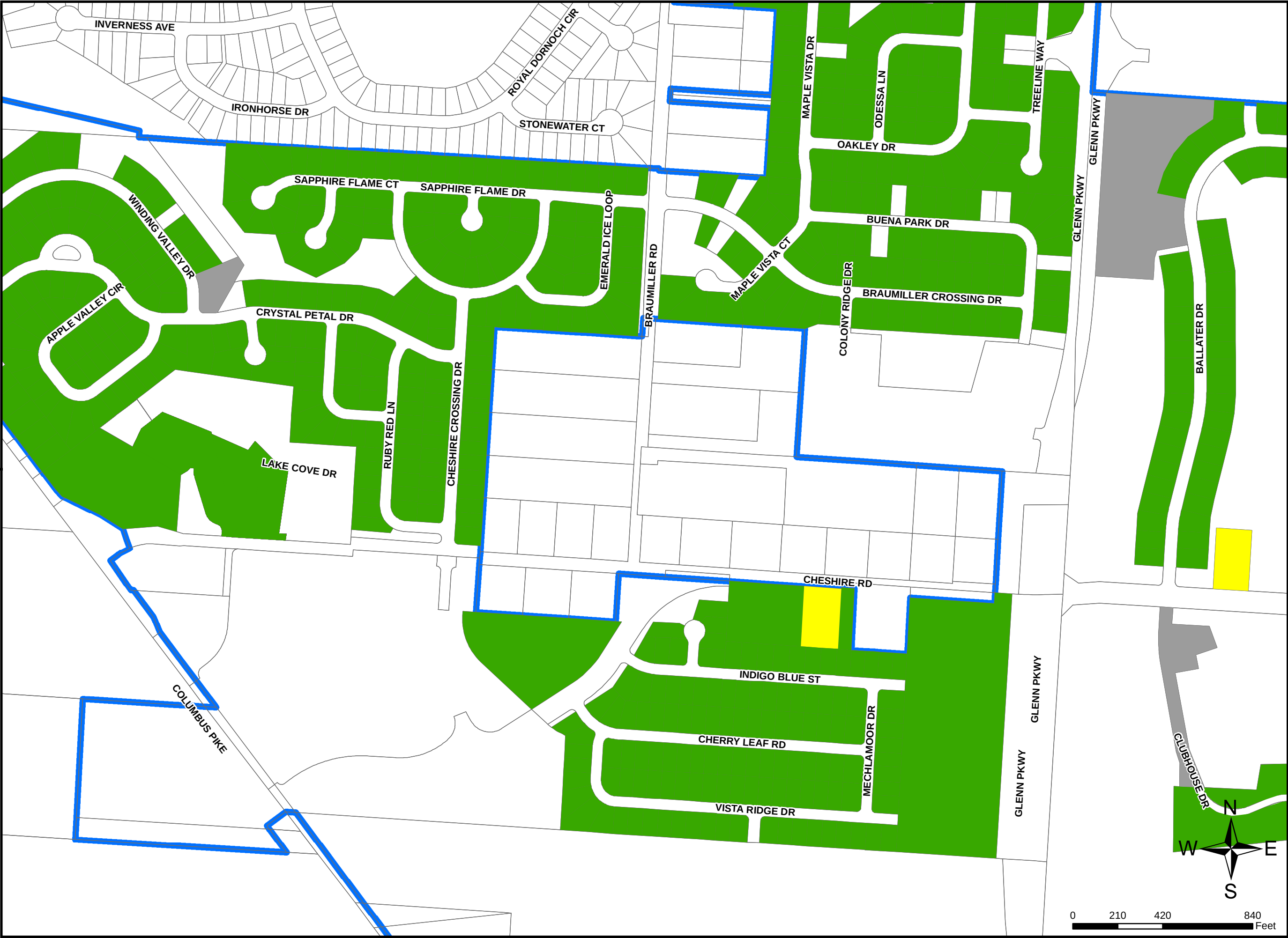
Possibly
Lead

Non-Lead

Corp. Limits

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		45	44	
		47	46	

44



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City of Delaware, Ohio

Private Water Fixture Map

Tier 1
Sampling
Location

Unknown

Possibly
Lead

Non-Lead

Corp. Limits

	3	2	1	
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W N E S

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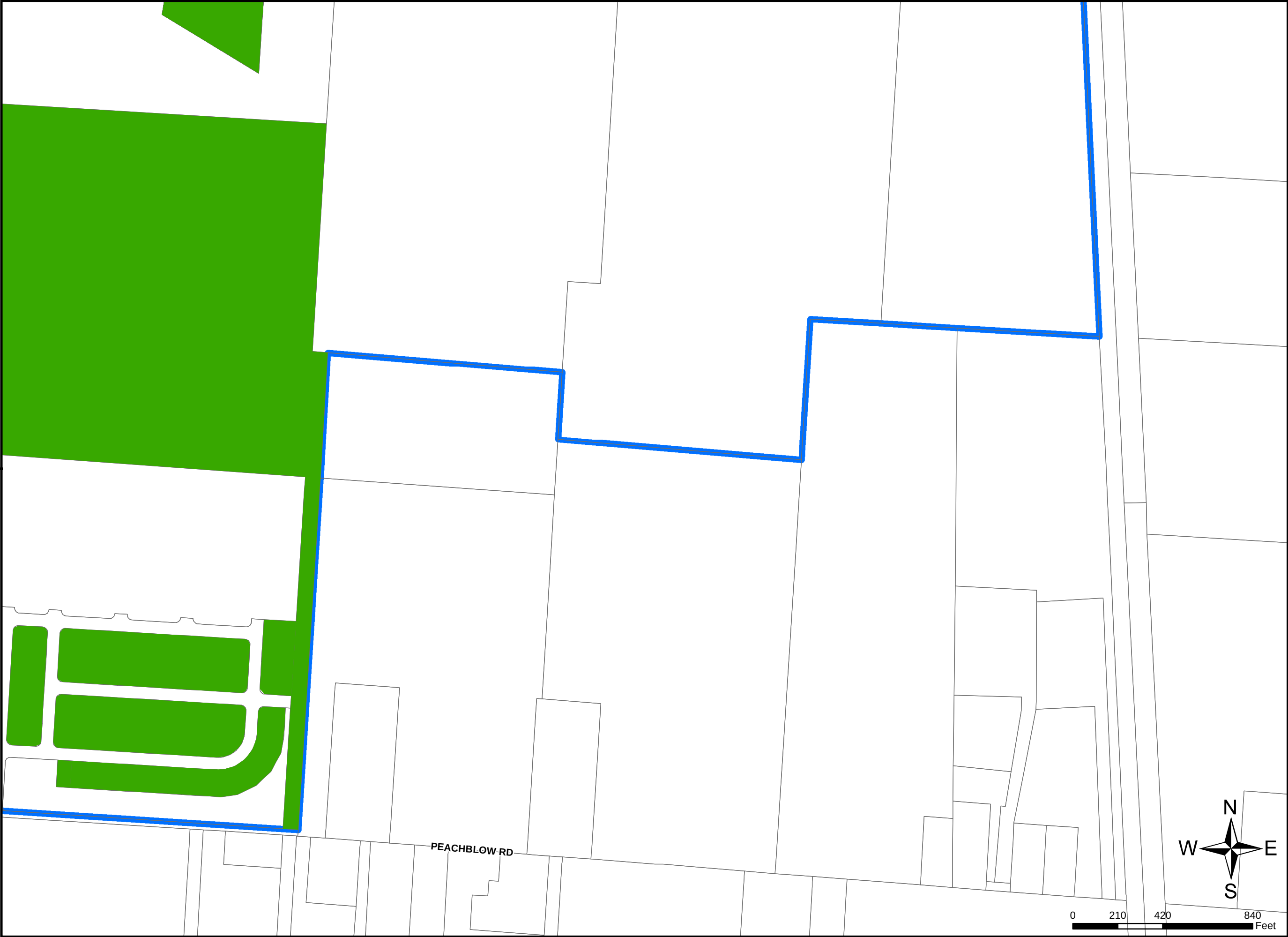
210

420

840

Feet

45



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City of Delaware, Ohio Private Water Fixture Map

Tier 1
Sampling
Location

Unknown

Possibly
Lead

Non-Lead

Corp. Limits

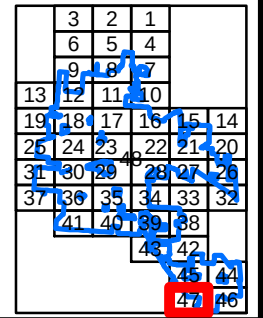
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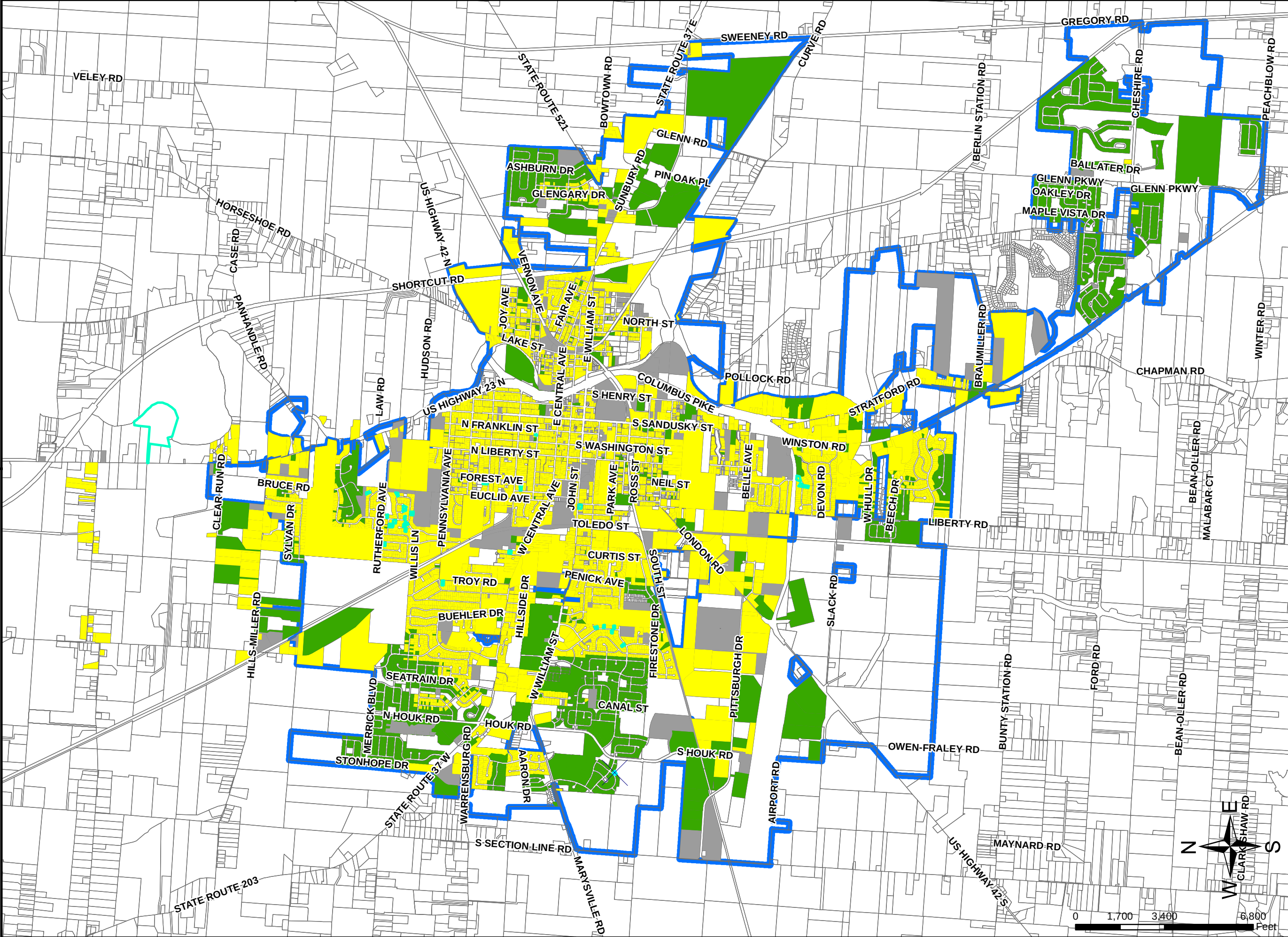
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City of Delaware, Ohio Private Water Fixture Map

- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits





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City of Delaware, Ohio

Private Water Fixture Map

Tier 1
Sampling
Location

Unknown

Possibly
Lead

Non-Lead

Corp. Limits

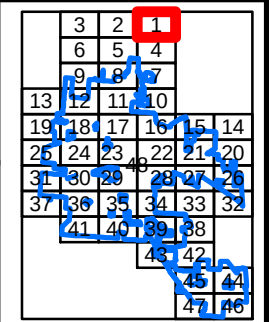
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48

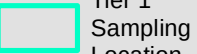
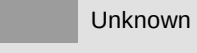
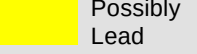
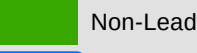
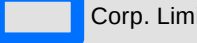


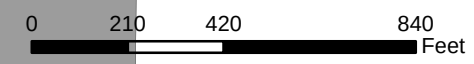
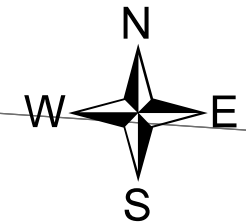
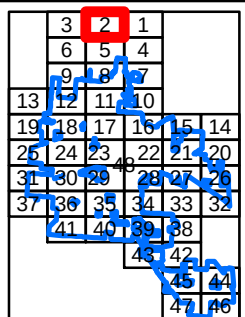
City of Delaware, Ohio Public Water Service Map

- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits



City of Delaware, Ohio Public Water Service Map

-  Tier 1 Sampling Location
-  Unknown
-  Possibly Lead
-  Non-Lead
-  Corp. Limits





City of Delaware, Ohio Public Water Service Map

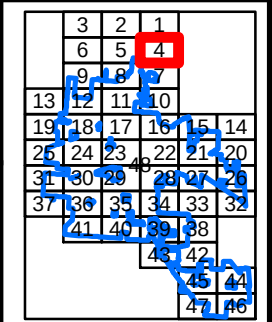
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- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits

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City of Delaware, Ohio Public Water Service Map

-  Tier 1 Sampling Location
-  Unknown
-  Possibly Lead
-  Non-Lead
-  Corp. Limits

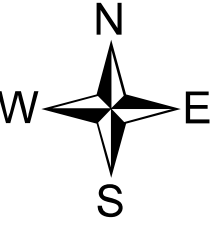
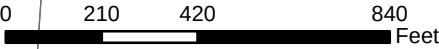




City of Delaware, Ohio Public Water Service Map

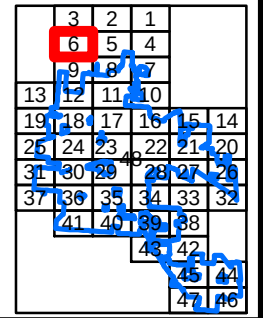
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-  Possibly Lead
-  Non-Lead
-  Corp. Limits

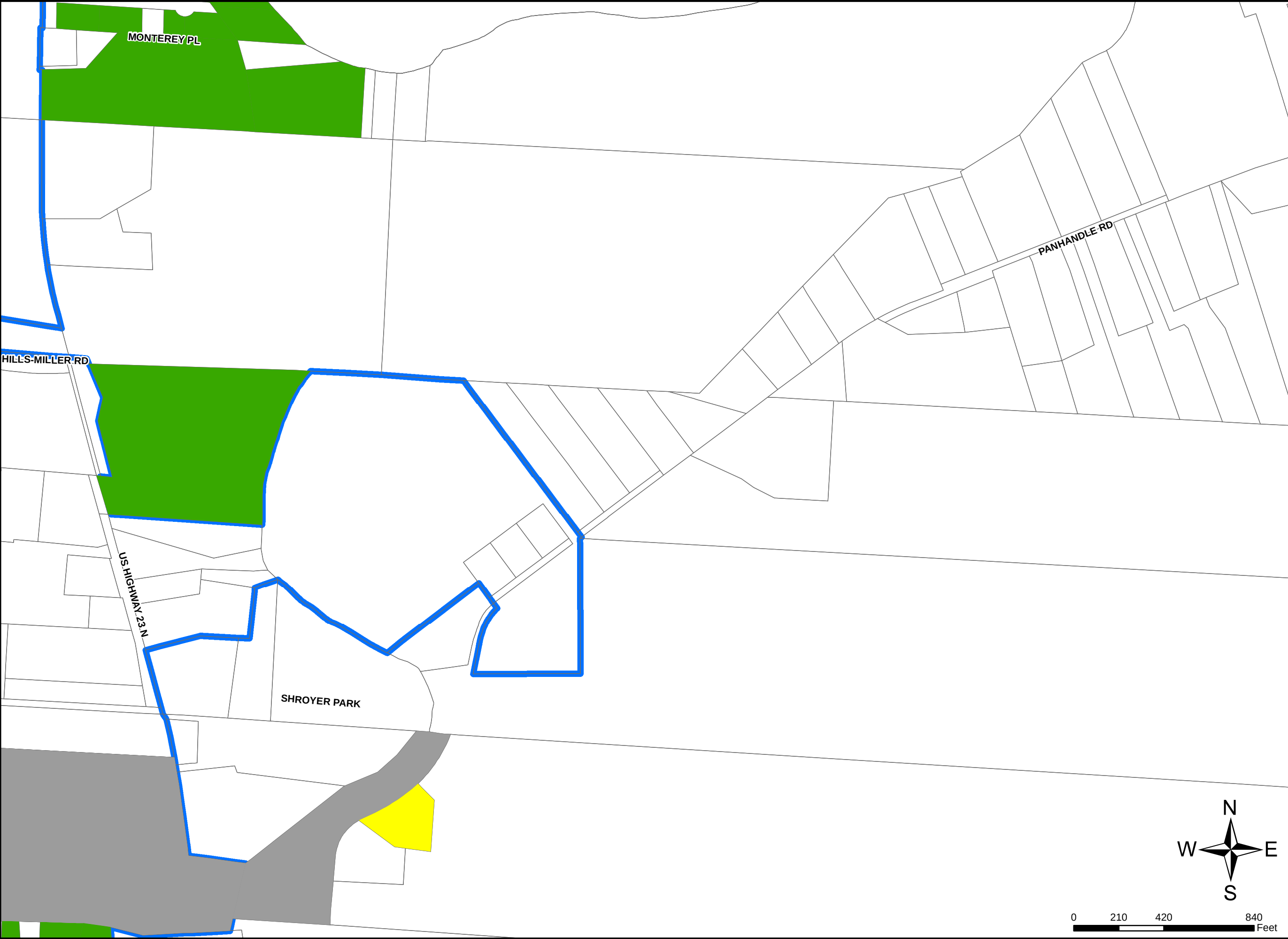
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City of Delaware, Ohio Public Water Service Map

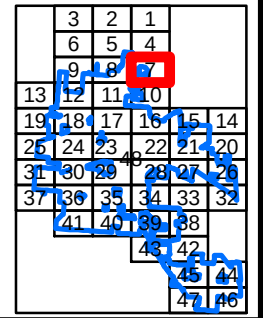
- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits





City of Delaware, Ohio Public Water Service Map

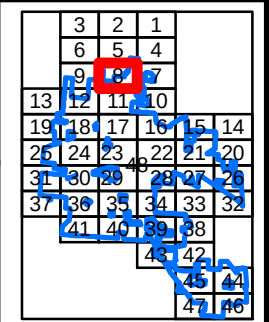
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- Non-Lead
- Corp. Limits

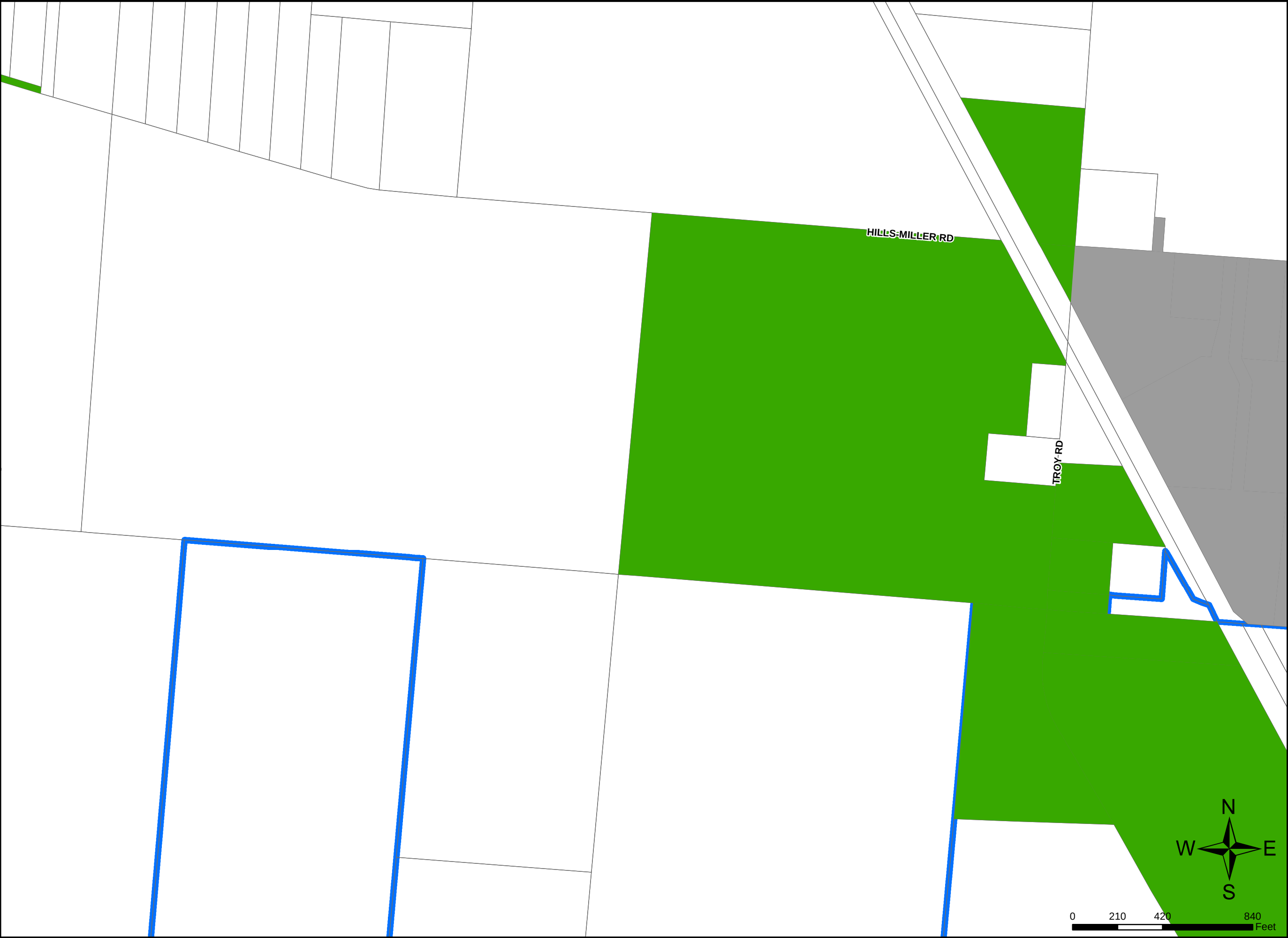




City of Delaware, Ohio Public Water Service Map

-  Tier 1 Sampling Location
-  Unknown
-  Possibly Lead
-  Non-Lead
-  Corp. Limits





City of Delaware, Ohio Public Water Service Map

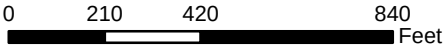
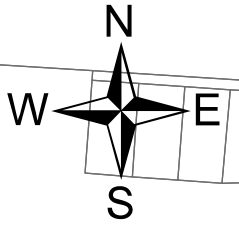
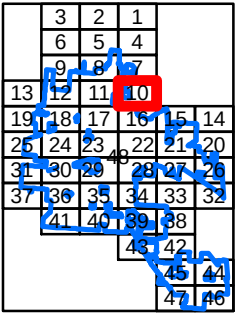
-  Tier 1 Sampling Location
-  Unknown
-  Possibly Lead
-  Non-Lead
-  Corp. Limits

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			47	46



City of Delaware, Ohio Public Water Service Map

- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits





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City of Delaware, Ohio Public Water Service Map

Tier 1
Sampling
Location

Unknown

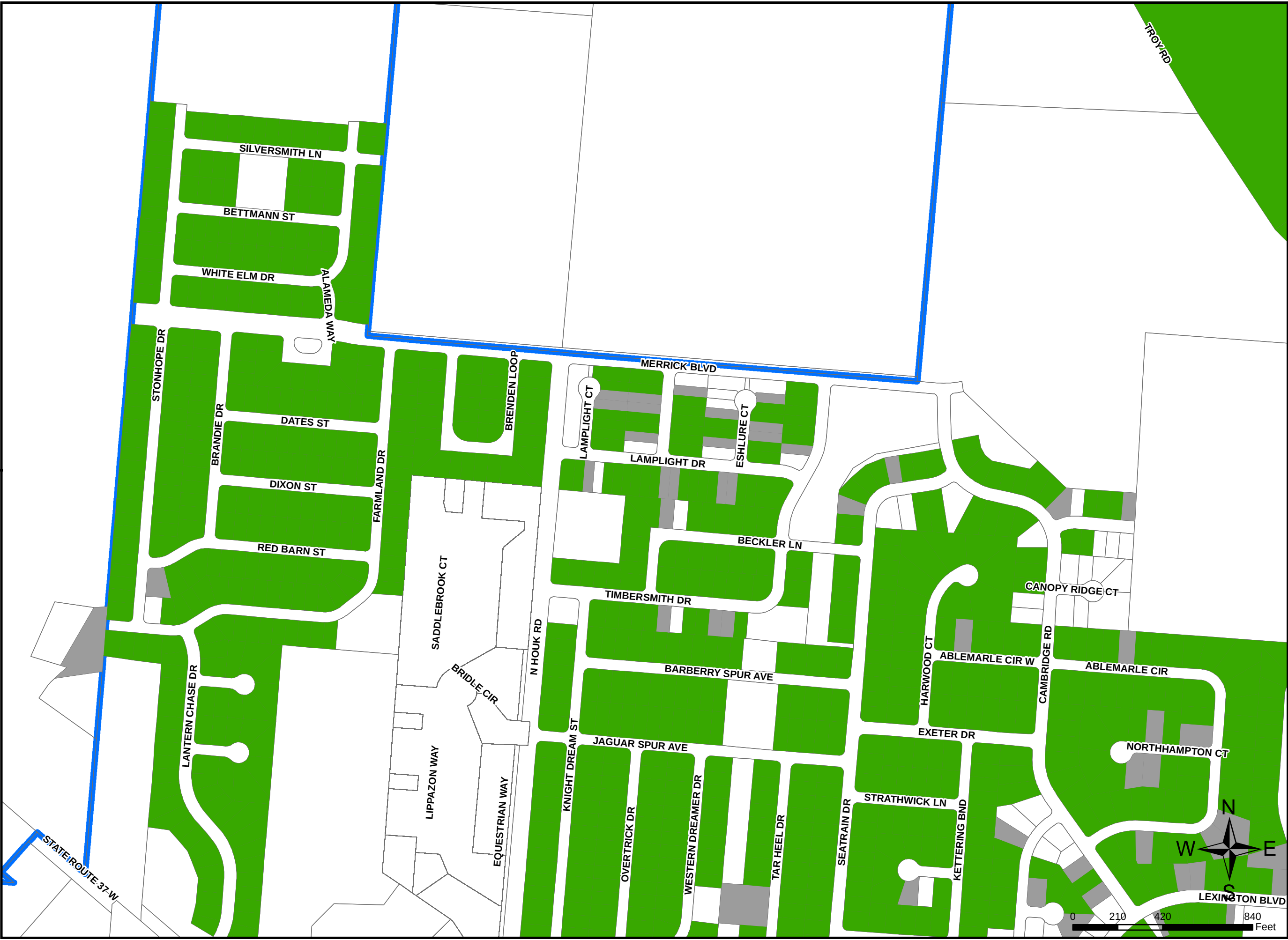
Possibly
Lead

Non-Lead

Corp. Limits

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		48	47	

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City of Delaware, Ohio

Public Water Service Map

 Tier 1 Sampling Location

 Unknown

 Possibly Lead

 Non-Lead

 Corp. Limits

	3	2	1	
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25	24	23	22	21
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37	36	35	34	33
41	40	39	38	
		45	42	
		46	47	48

0 210 420 840 Feet



12



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City of Delaware, Ohio Public Water Service Map

Tier 1
Sampling
Location

Unknown

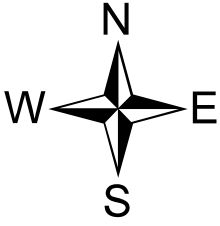
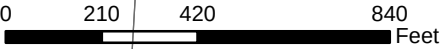
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Non-Lead

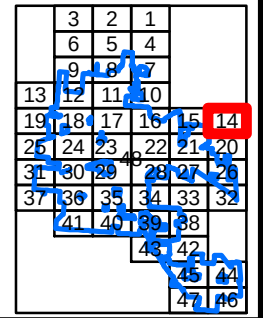
Corp. Limits

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			47	46

13



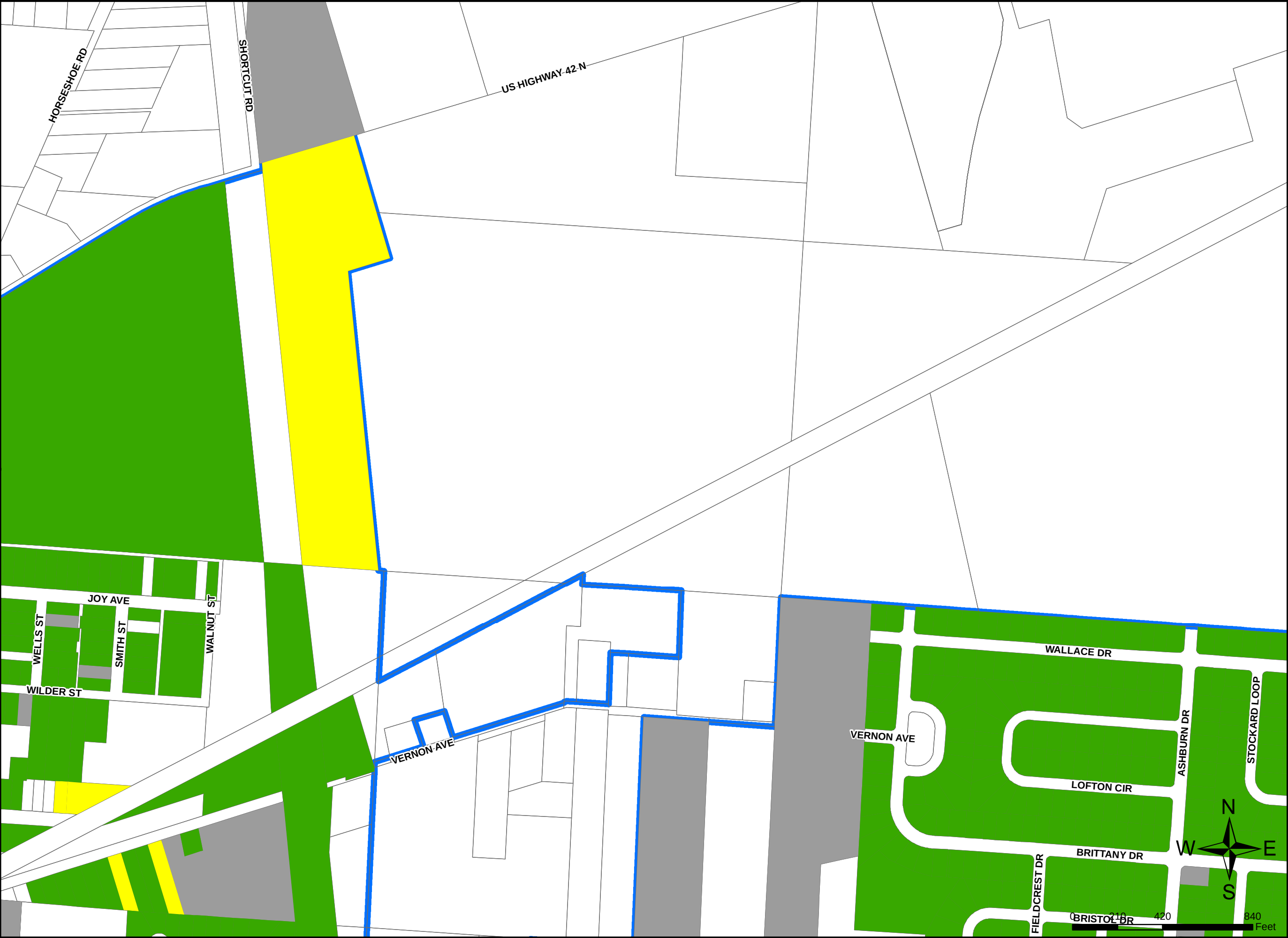
- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits



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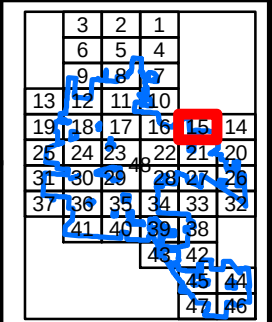
City of Delaware, Ohio
Public Water Service Map

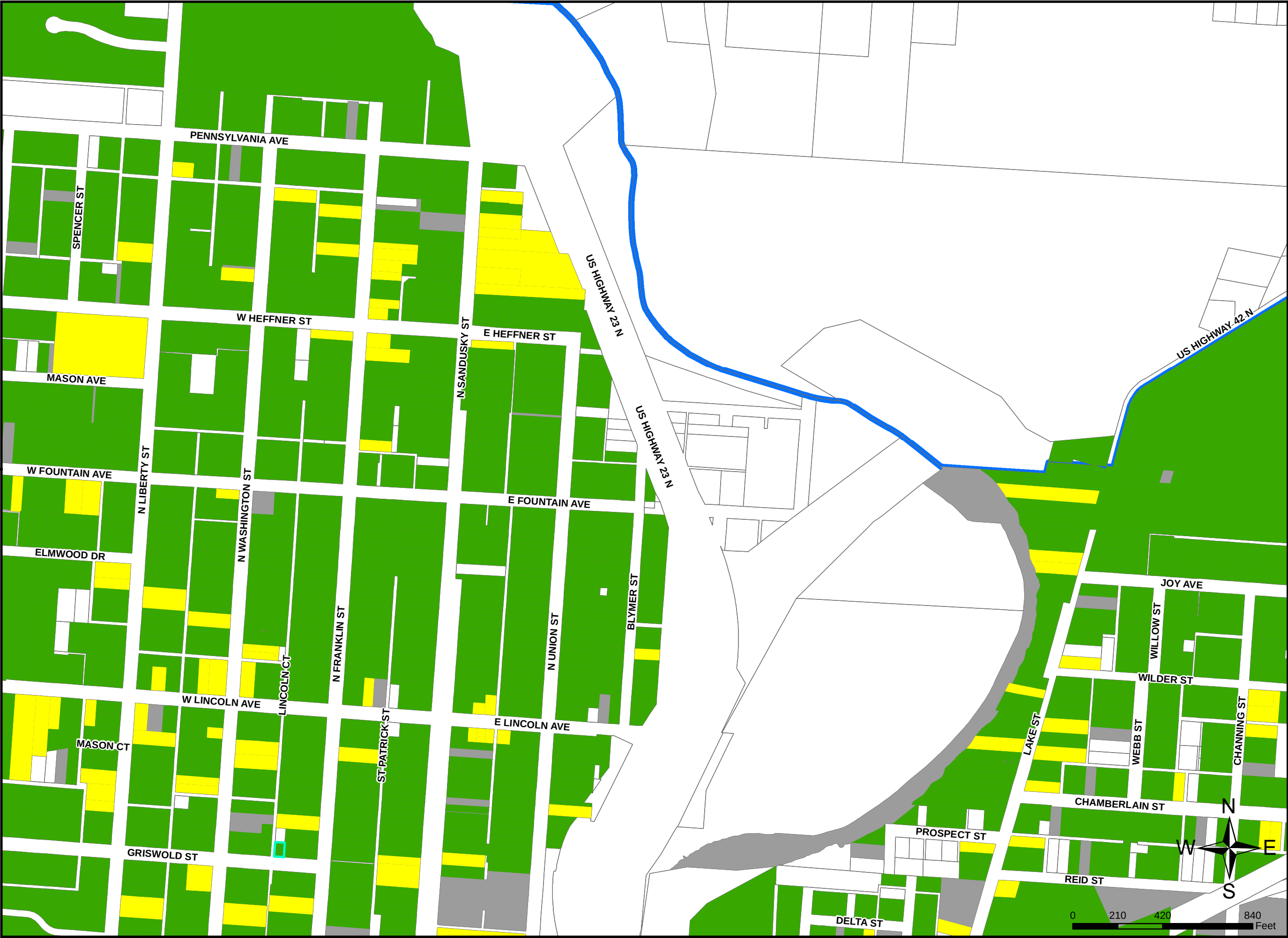
14



City of Delaware, Ohio Public Water Service Map

- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits





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City of Delaware, Ohio Public Water Service Map

Tier 1
Sampling
Location

Unknown

Possibly
Lead

Non-Lead

Corp. Limits

	3	2	1	
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41	40	39	38	37
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0 210 420 840 Feet

16



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City of Delaware, Ohio

Public Water Service Map

Tier 1
Sampling
Location

Unknown

Possibly
Lead

Non-Lead

Corp. Limits

	3	2	1	
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		47	46	

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City of Delaware, Ohio

Public Water Service Map

Tier 1
Sampling
Location

Unknown

Possibly
Lead

Non-Lead

Corp. Limits

	3	2	1	
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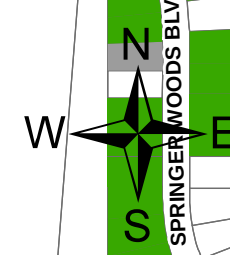
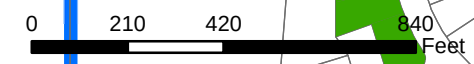
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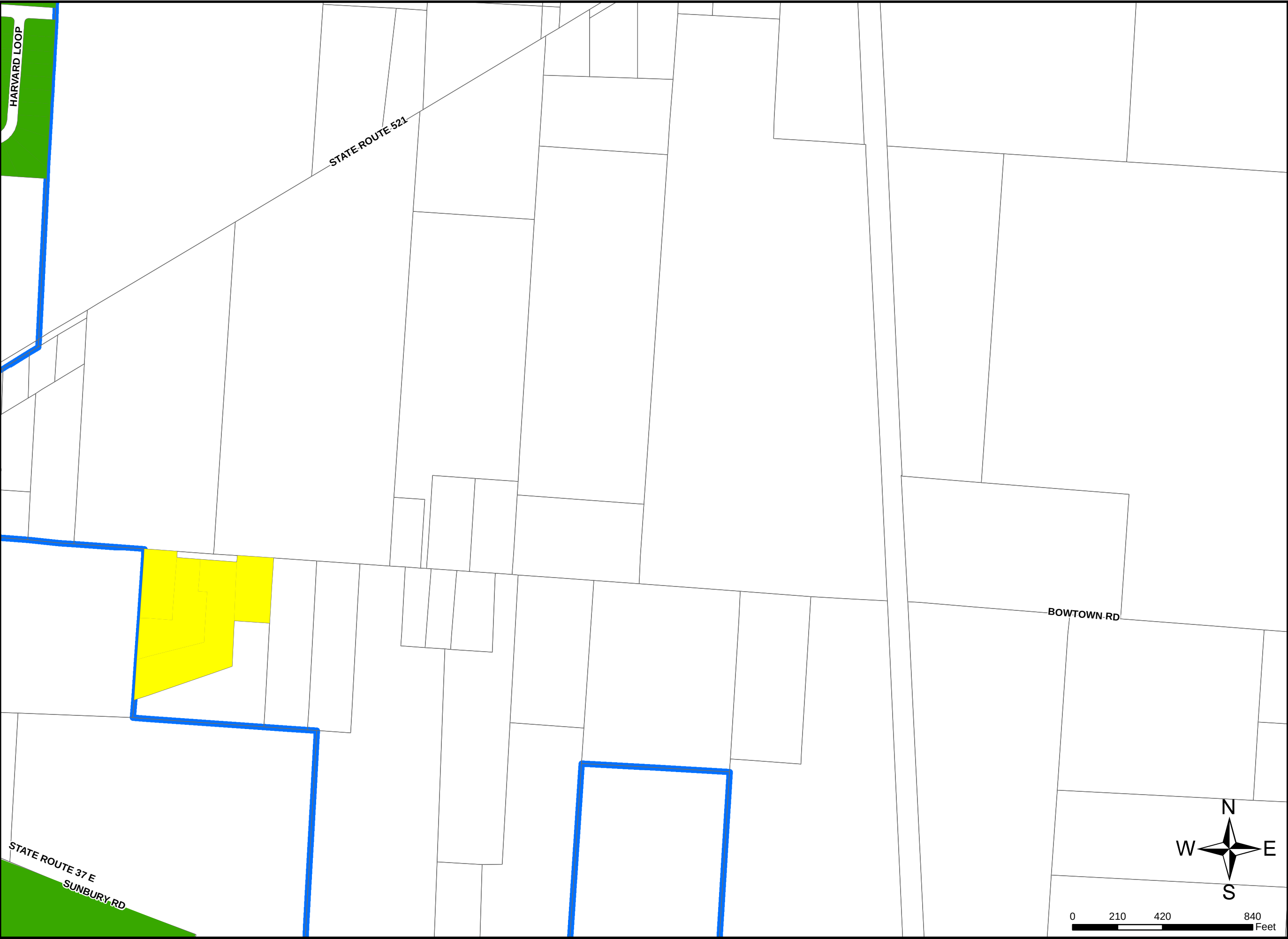


City of Delaware, Ohio Public Water Service Map

- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits

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City of Delaware, Ohio

Public Water Service Map

Tier 1
Sampling
Location

Unknown

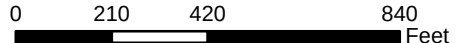
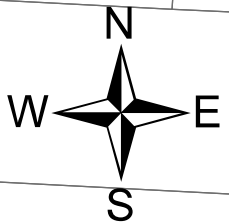
Possibly
Lead

Non-Lead

Corp. Limits

	3	2	1	
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City of Delaware, Ohio

Public Water Service Map

Tier 1
Sampling
Location

Unknown

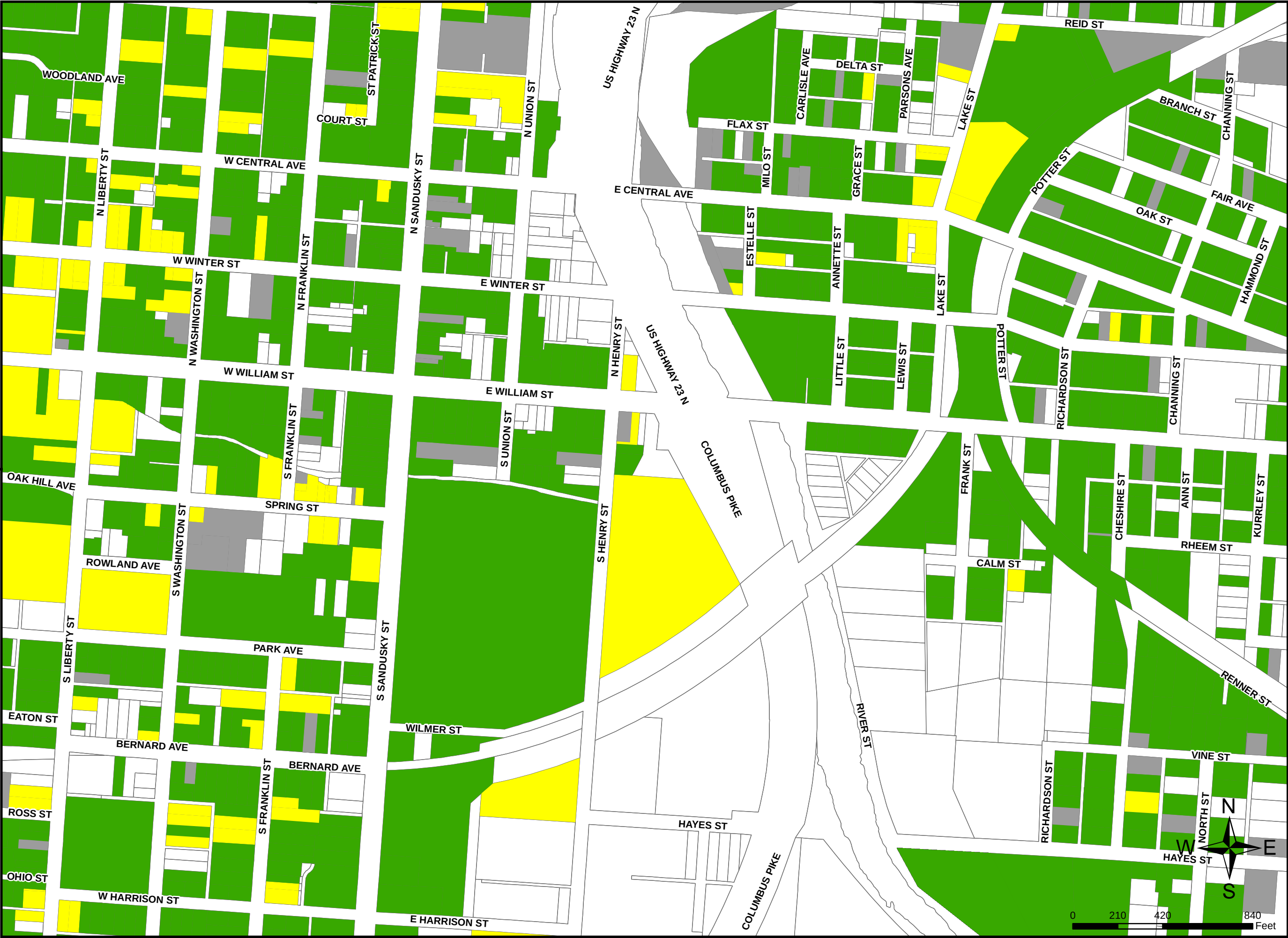
Possibly
Lead

Non-Lead

Corp. Limits

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25	24	23	22	21
31	30	29	28	27
37	36	35	34	33
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			45	44
			47	46

21



BURGESS & NIPLE
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City of Delaware, Ohio

Public Water Service Map

Tier 1
Sampling
Location

Unknown

Possibly
Lead

Non-Lead

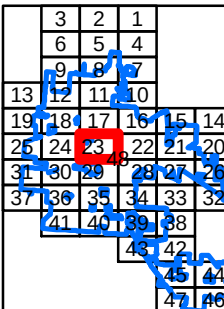
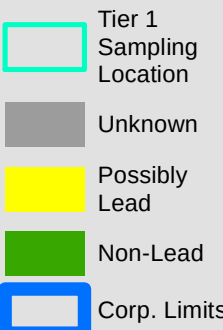
Corp. Limits

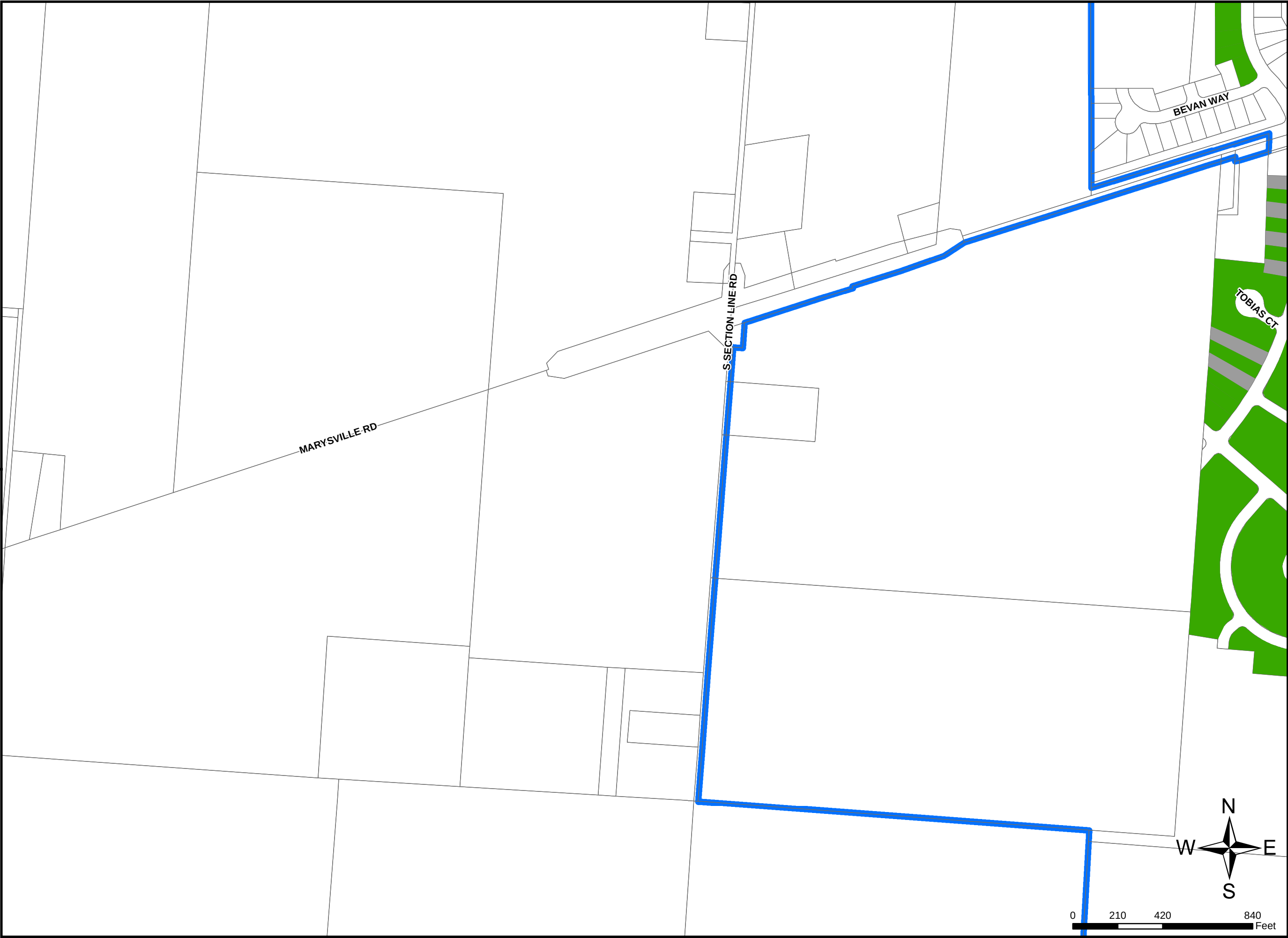
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	46	45	44
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0 210 420 840 Feet

22

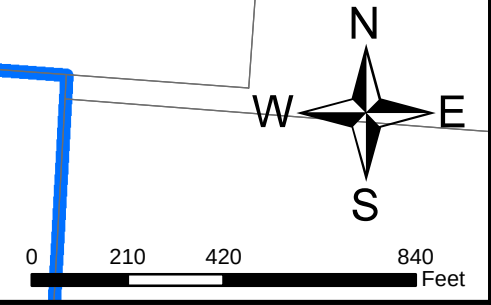
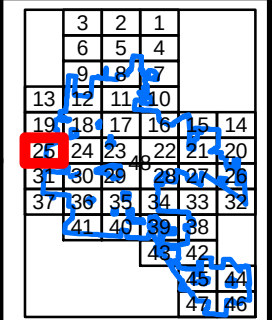
City of Delaware, Ohio Public Water Service Map





City of Delaware, Ohio Public Water Service Map

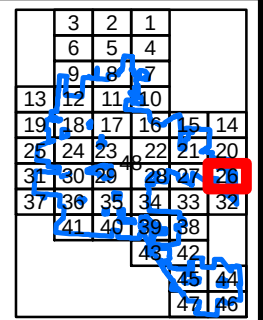
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- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits

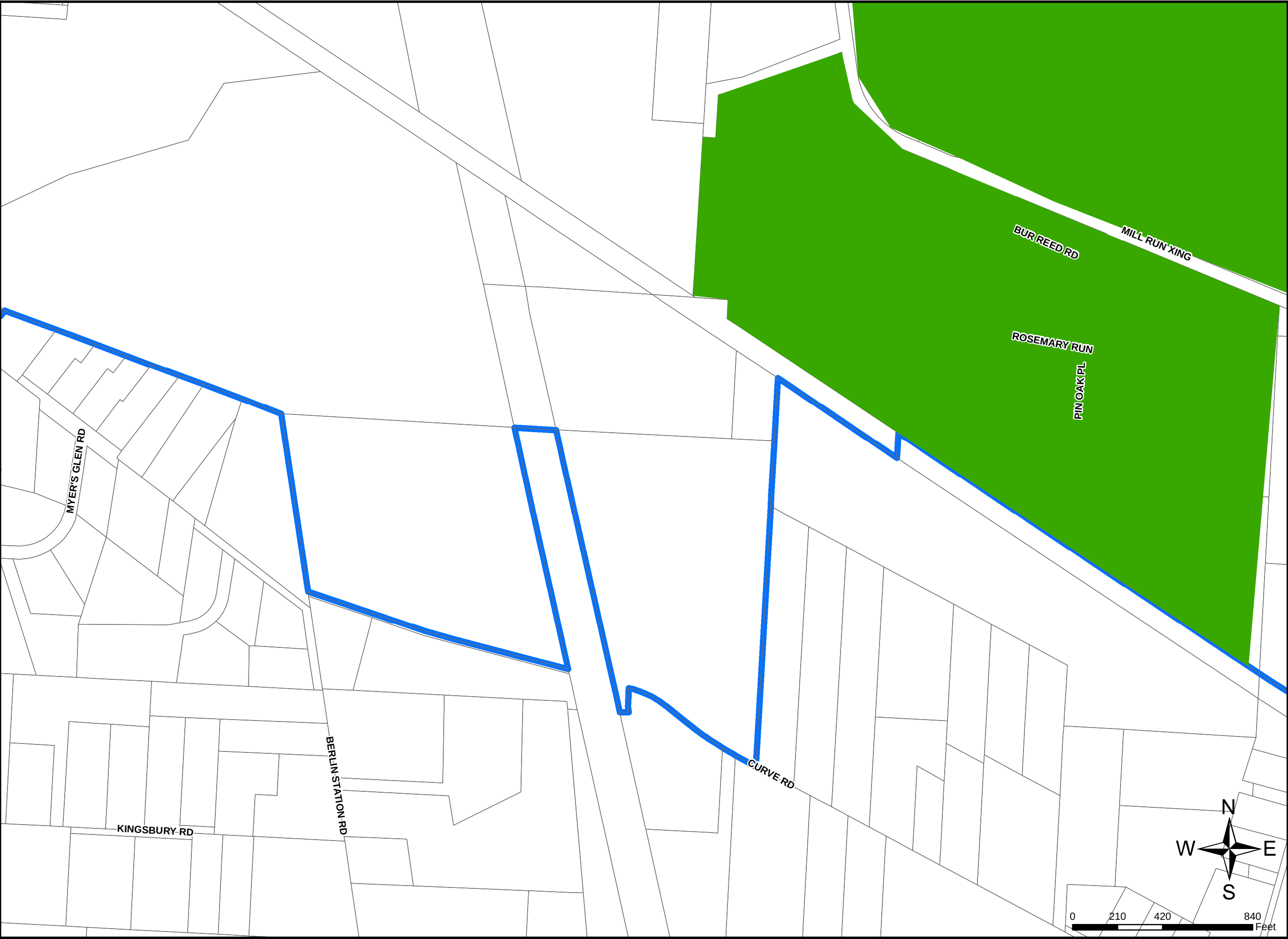




City of Delaware, Ohio Public Water Service Map

- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits





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City of Delaware, Ohio

Public Water Service Map

Tier 1 Sampling Location

Unknown

Possibly Lead

Non-Lead

Corp. Limits

	3	2	1
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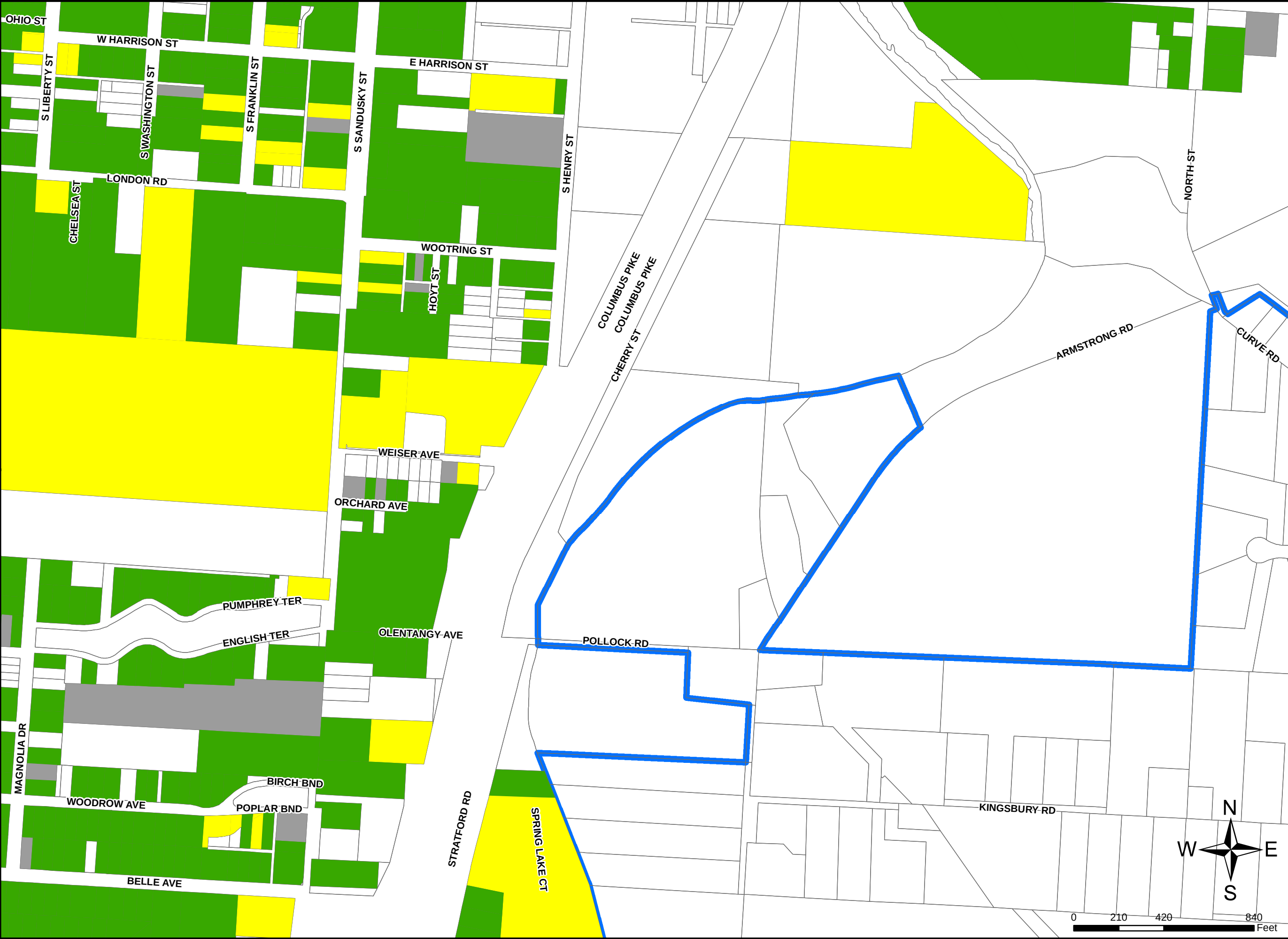
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City of Delaware, Ohio

Public Water Service Map

Tier 1
Sampling
Location

Unknown

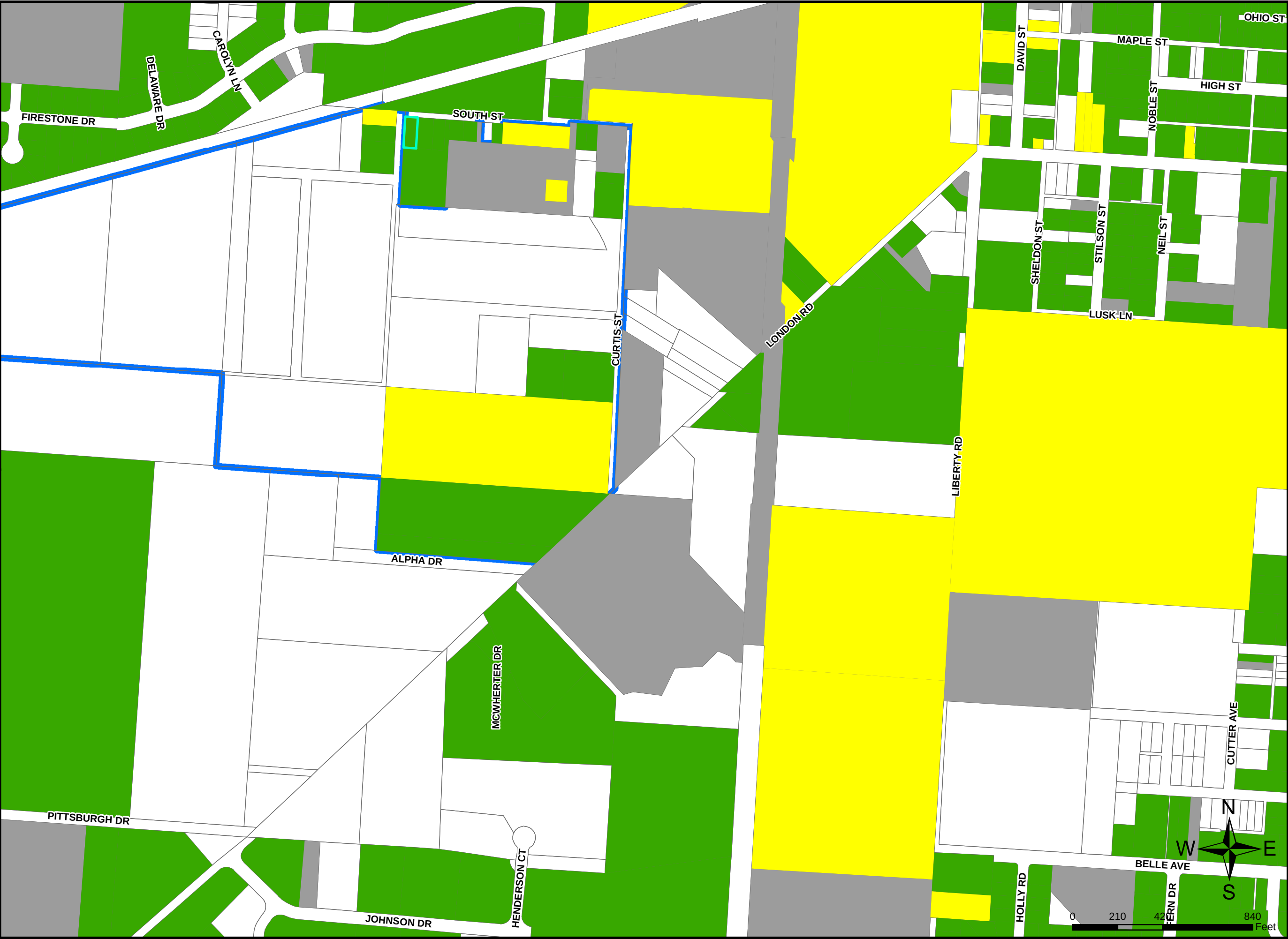
Possibly
Lead

Non-Lead

Corp. Limits

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25	24	23	22	21
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		45	44	
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28



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City of Delaware, Ohio Public Water Service Map

Tier 1
Sampling
Location

Unknown

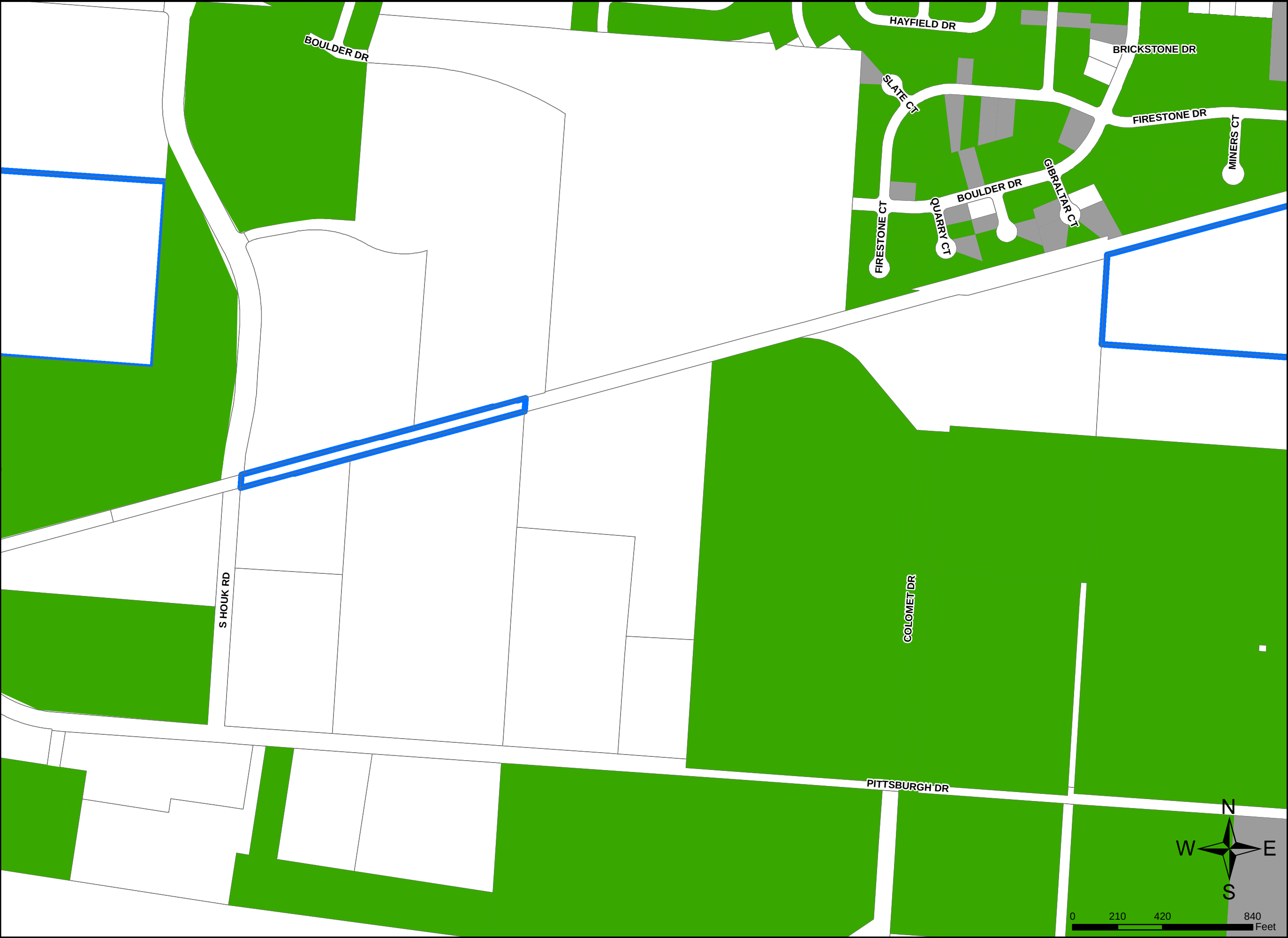
Possibly
Lead

Non-Lead

Corp. Limits

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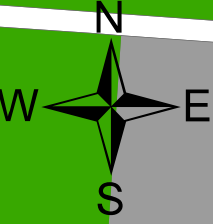
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City of Delaware, Ohio Public Water Service Map

- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits

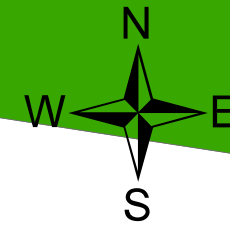
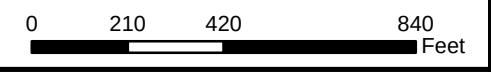
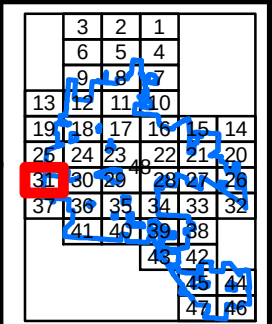
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City of Delaware, Ohio Public Water Service Map

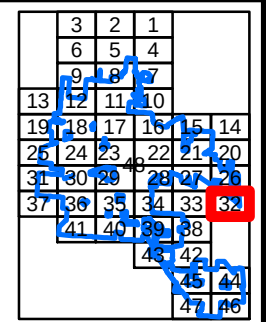
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- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits



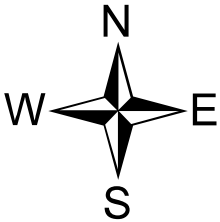


City of Delaware, Ohio Public Water Service Map

- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits



0 210 420 840 Feet

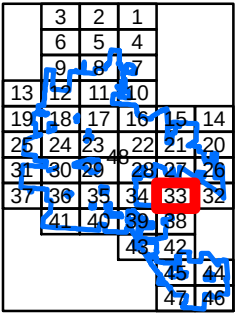




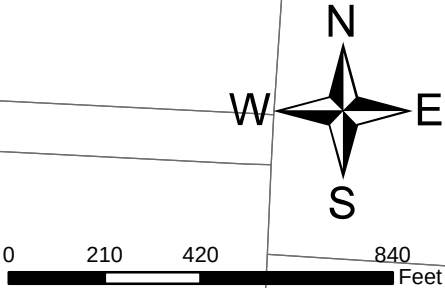
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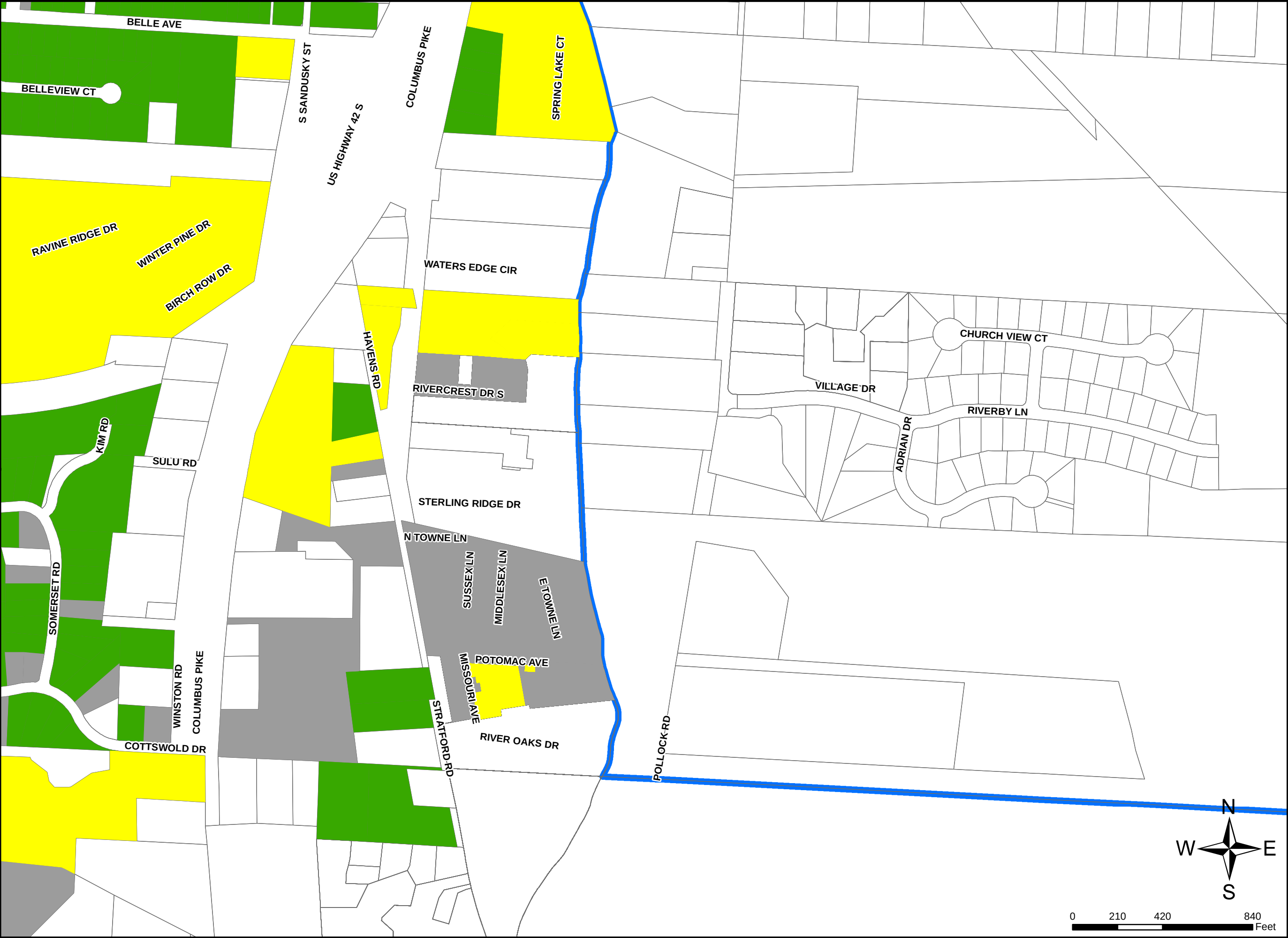
City of Delaware, Ohio Public Water Service Map

-  Tier 1 Sampling Location
-  Unknown
-  Possibly Lead
-  Non-Lead
-  Corp. Limits



33





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City of Delaware, Ohio

Public Water Service Map

Tier 1
Sampling
Location

Unknown

Possibly
Lead

Non-Lead

Corp. Limits

	3	2	1	
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Feet

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City of Delaware, Ohio Public Water Service Map

- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits

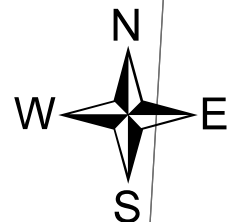
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City of Delaware, Ohio Public Water Service Map

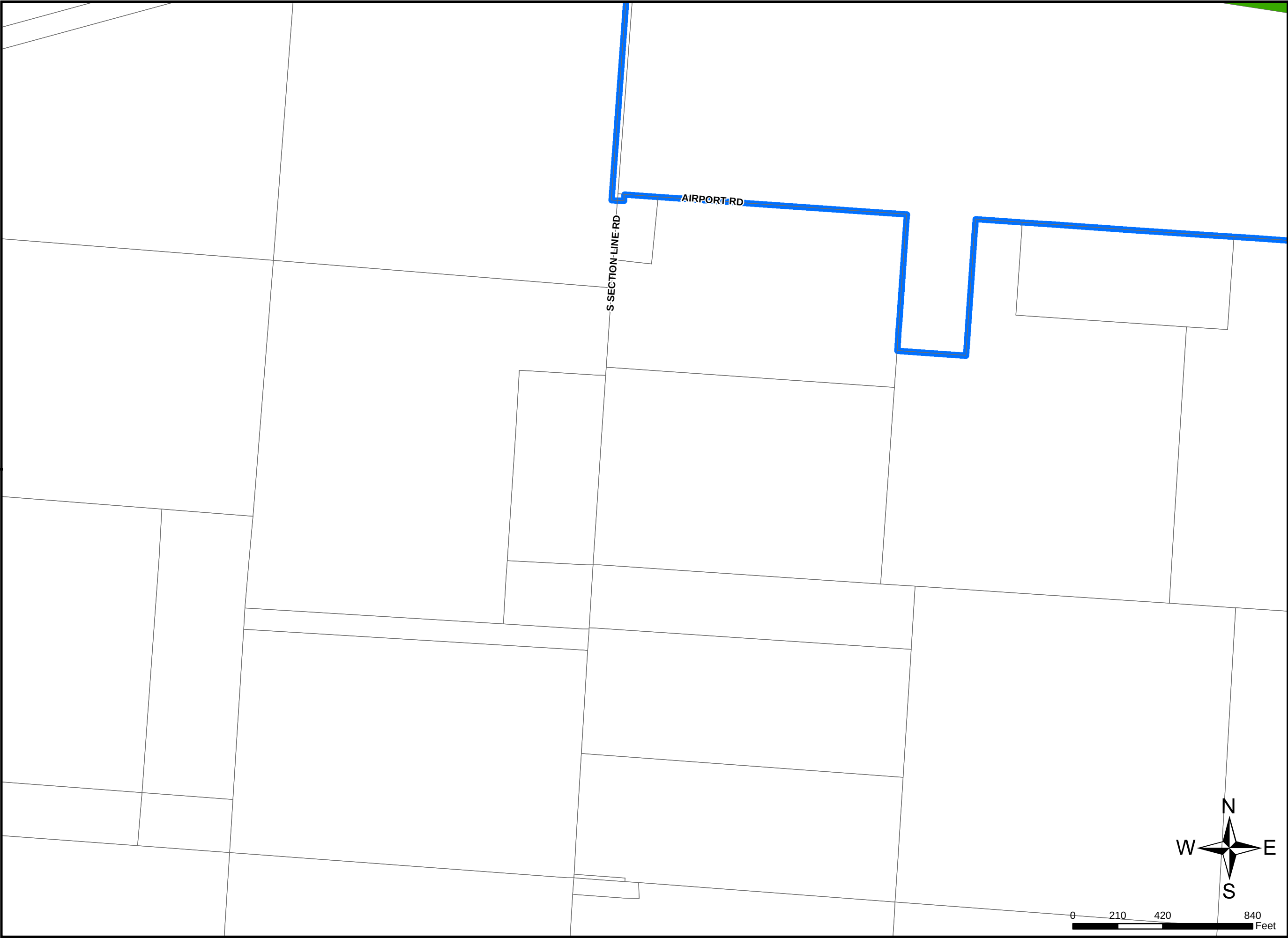
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-  Possibly Lead
-  Non-Lead
-  Corp. Limits

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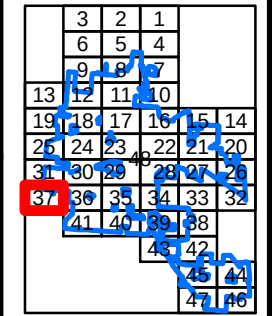


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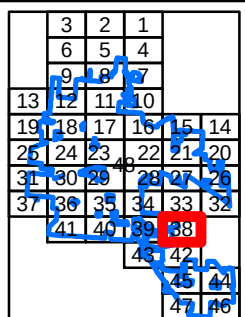
City of Delaware, Ohio Public Water Service Map

-  Tier 1 Sampling Location
-  Unknown
-  Possibly Lead
-  Non-Lead
-  Corp. Limits

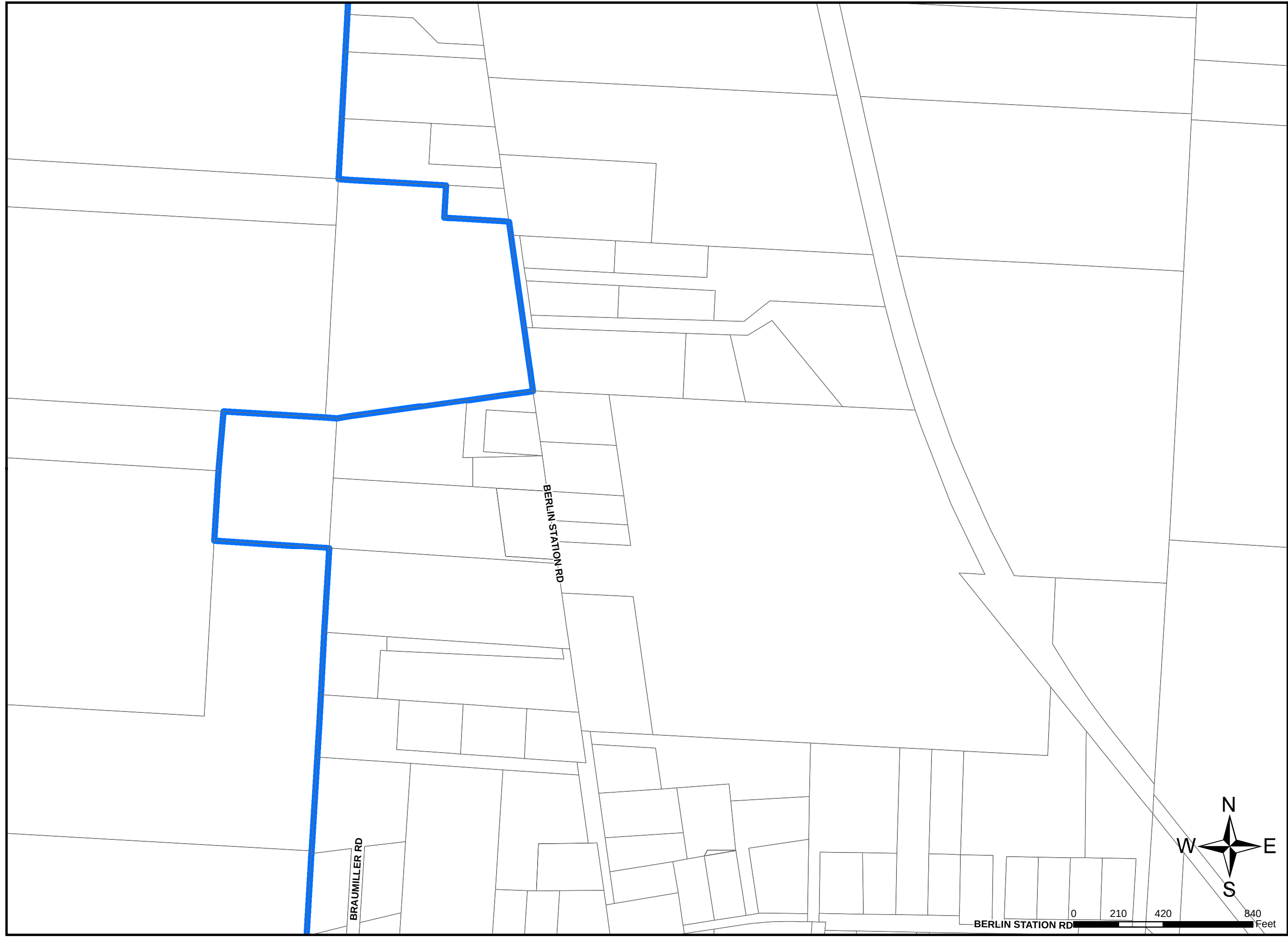


City of Delaware, Ohio Public Water Service Map

-  Tier 1 Sampling Location
-  Unknown
-  Possibly Lead
-  Non-Lead
-  Corp. Limits



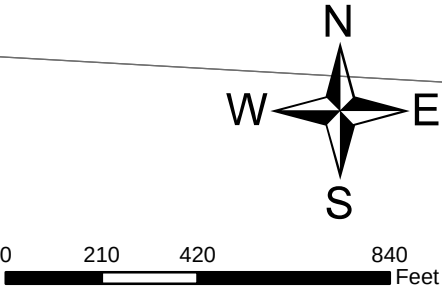
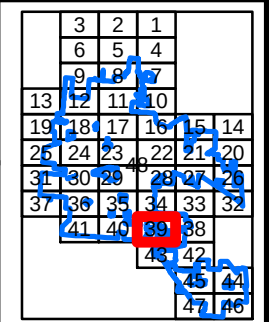
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City of Delaware, Ohio Public Water Service Map

- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits





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City of Delaware, Ohio Public Water Service Map

Tier 1
Sampling
Location

Unknown

Possibly
Lead

Non-Lead

Corp. Limits

	3	2	1	
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40



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City of Delaware, Ohio

Public Water Service Map

Tier 1 Sampling Location

Unknown

Possibly Lead

Non-Lead

Corp. Limits

	3	2	1	
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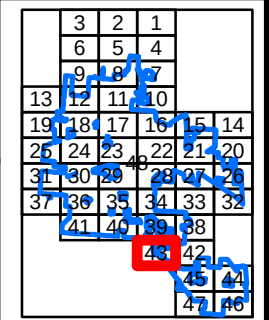
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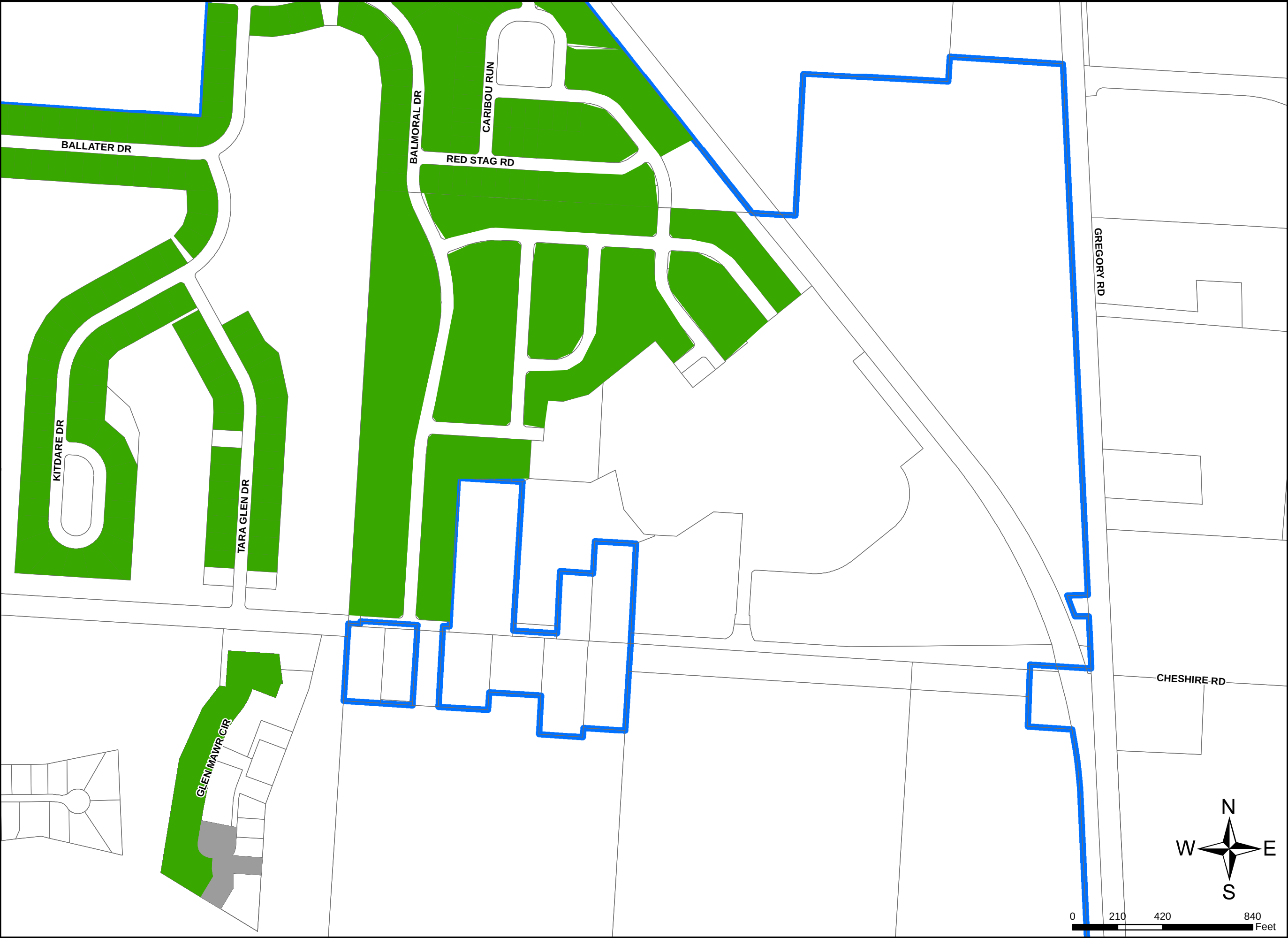
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City of Delaware, Ohio Public Water Service Map

- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits





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City of Delaware, Ohio

Public Water Service Map

Tier 1 Sampling Location

Unknown

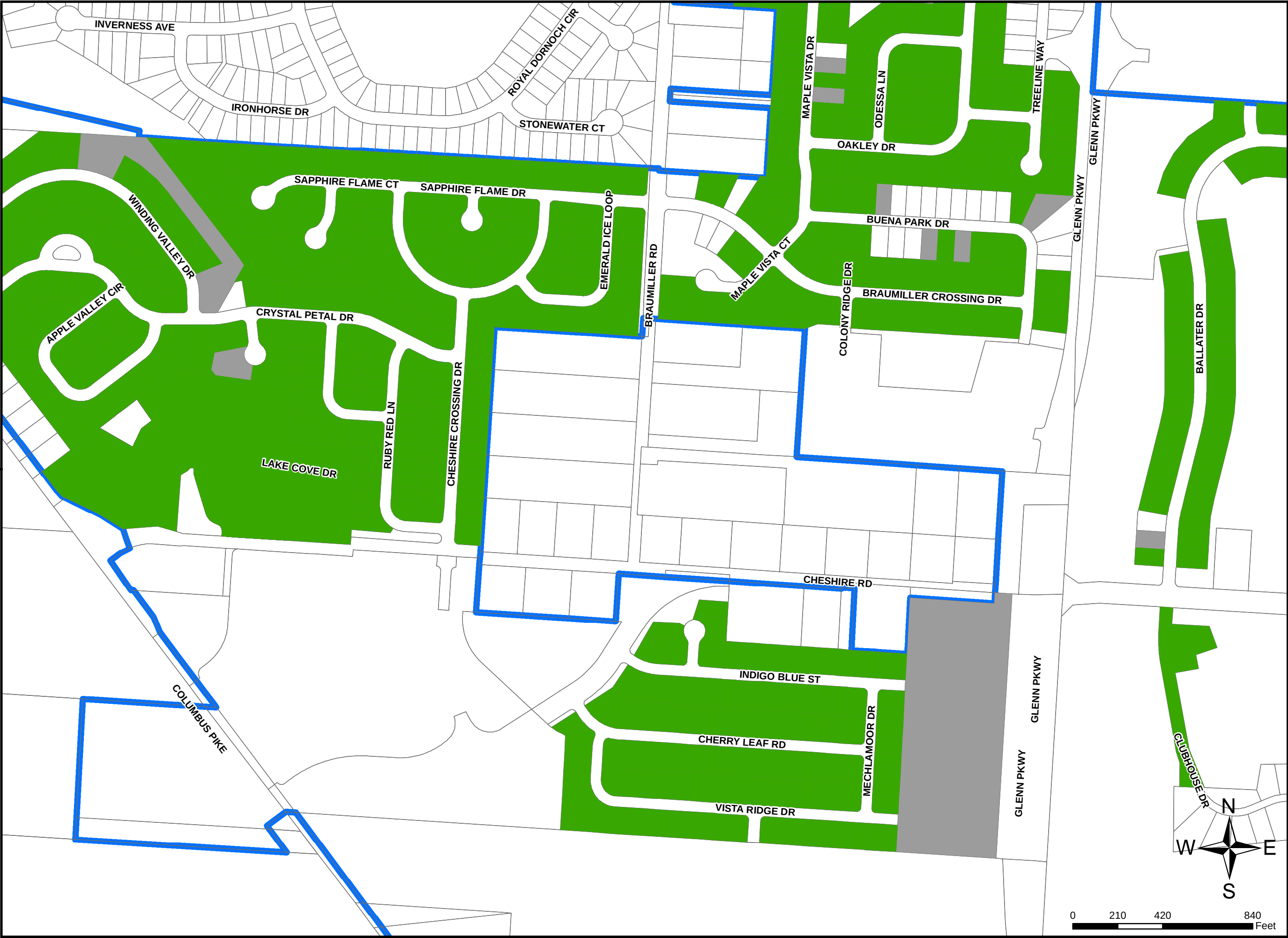
Possibly Lead

Non-Lead

Corp. Limits

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			45	44
			47	46

44



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City of Delaware, Ohio

Public Water Service Map

Tier 1
Sampling
Location

Unknown

Possibly
Lead

Non-Lead

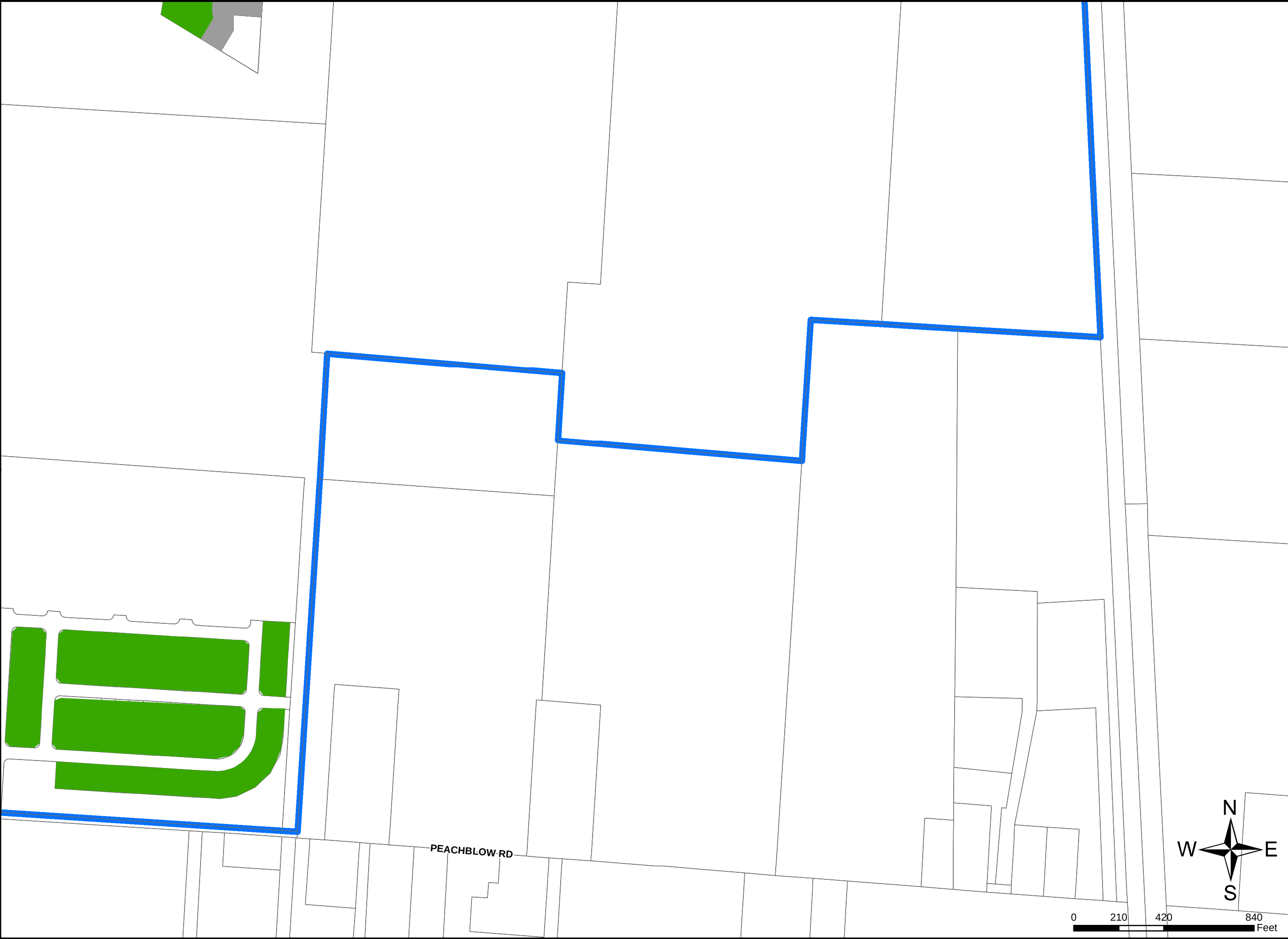
Corp. Limits

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W N E S

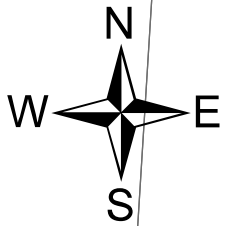
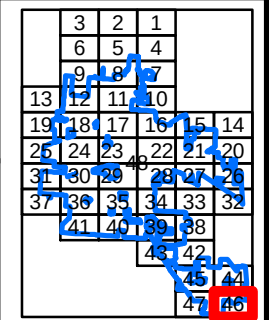
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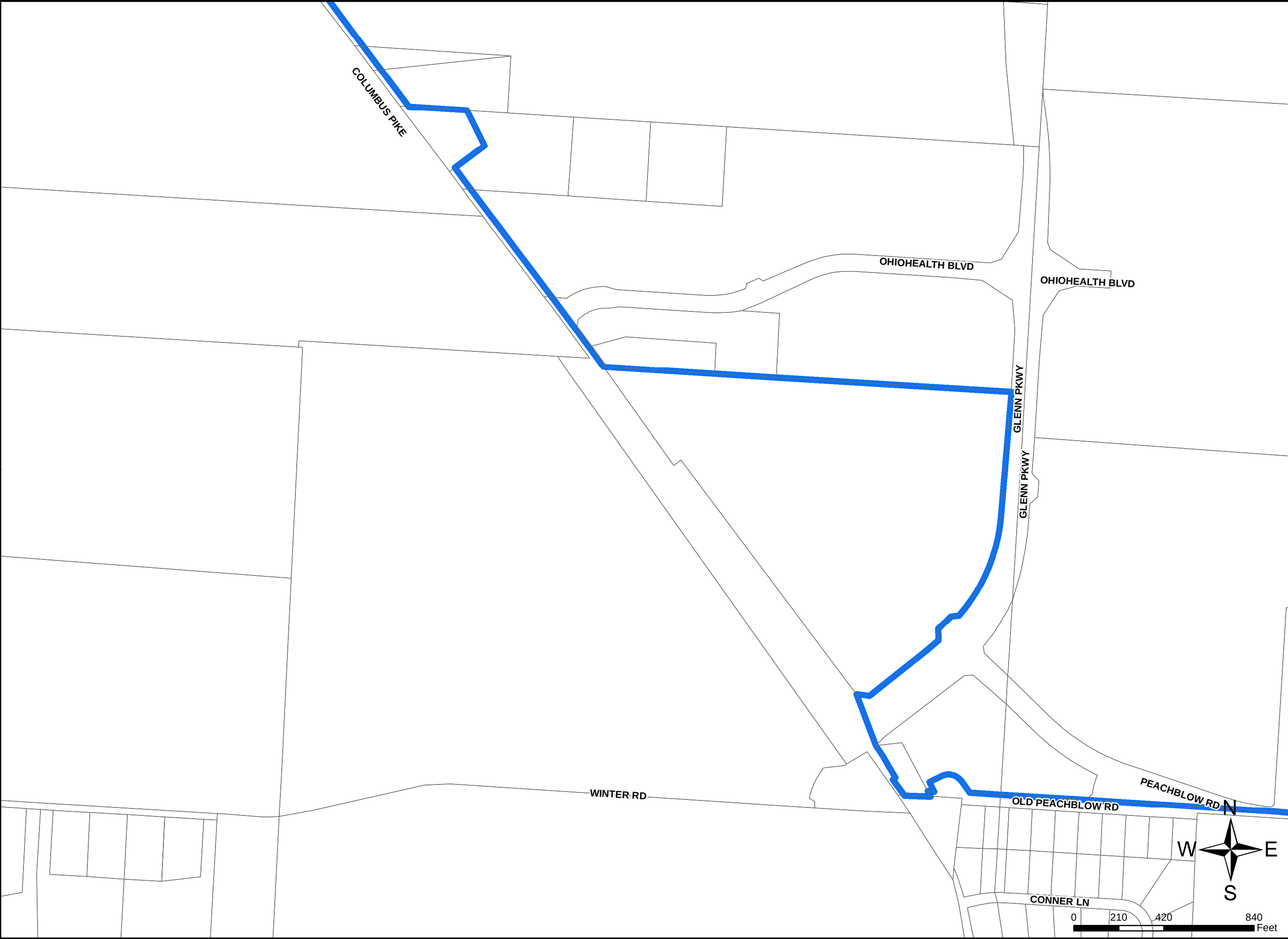


City of Delaware, Ohio Public Water Service Map

- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits

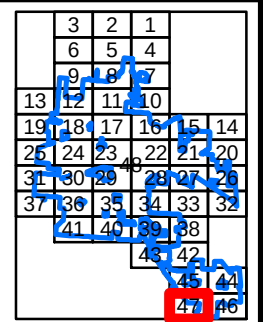


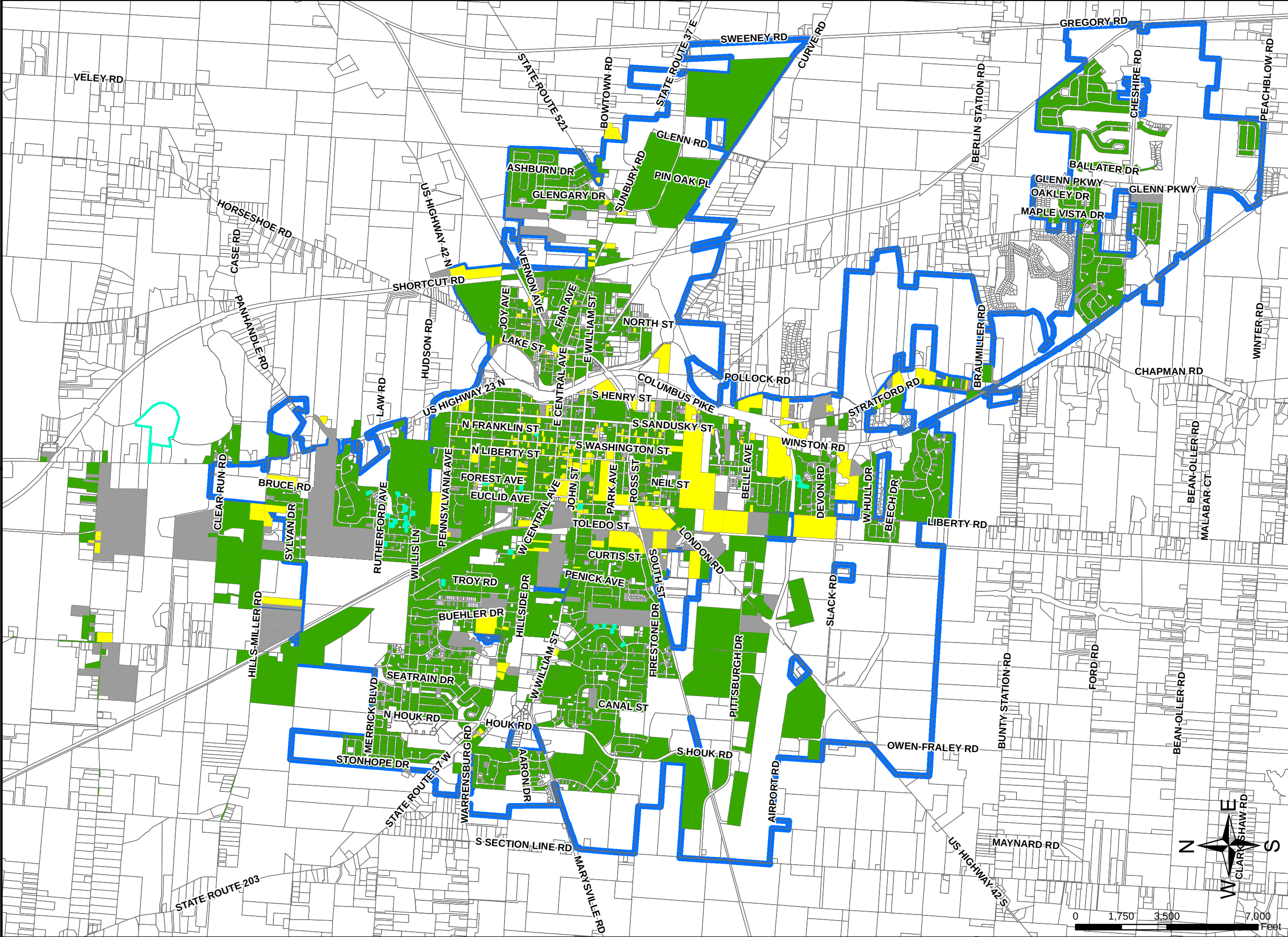
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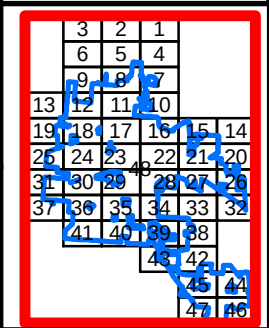
City of Delaware, Ohio Public Water Service Map

- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits





- Tier 1 Sampling Location
- Unknown
- Possibly Lead
- Non-Lead
- Corp. Limits



City of Delaware, Ohio Public Water Service Map



March 9, 2017

OEPA
Central District Office
Lazarus Government Center
50 W. Town Street, Suite 700
P.O. Box 1049
Columbus, OH. 43215

RE: City of Delaware, Ohio Lead Mapping in Distribution System
PWS ID: OH2100311

Dear OEPA Official:

Please find enclosed the City of Delaware's submittal requirements for House Bill 512 regarding Lead Mapping in Distribution Systems.

The preparation of the maps is based on the City's water distribution system maintenance and operation documents. These documents consist of tap/curb cards, and repair and maintenance records. The City's existing water system is comprised of galvanized steel, cast iron, ductile iron, C909 water pipe and mostly copper service lines. To the best of our knowledge, most service lines are copper material; there are areas where the service line material is unknown.

If any additional information is required, please contact me at bstanton@delawareohio.net.

Respectfully,

Brad Stanton
Public Utilities Director
City of Delaware, Ohio
740-203-1900
bstanton@delawareohio.net

Cc: Tom Hinson, Water Manager
Perry Mickley, Projects and Maintenance Manager
Ron Ambrose, Water Distribution Supervisor

that lead could have been used for service line materials unless the age of the area or specific information exists to rule out lead.

V. IDENTIFYING CHARACTERISTICS OF BUILDINGS WITH LEAD PIPING, SOLDER OR FIXTURES

In 1986, the SDWA was amended to ban the use of lead solders which contain more than 0.2% lead. The lead ban provisions of the act became effective in Ohio Plumbing Code on March 30, 1998. The SDWA amendments also required the use of lead-free flux, pipes and fittings in new installations and repairs of public water systems, or any plumbing within a residential or nonresidential facility which provides water for human consumption. Lead-free was defined at the time as having no more than 8.0% lead (note this 8.0% was lowered to 0.25% in 2014).

In 1996, the SDWA was further amended to state the following is unlawful:

1. For any person to introduce into commerce any pipe, pipe fitting, plumbing fitting or plumbing fixture, that is not lead free, except for a pipe that is used in manufacturing or industrial processing; or
2. Any person engaged in the business of selling plumbing supplies; except manufacturers, to sell solder or flux that is not lead free; or
3. Any person to introduce into commerce any solder or flux that is not lead free unless the solder or flux bears a prominent label stating that it is illegal to use the solder or flux in the installation or repair of any plumbing providing water for human consumption.

In 2011, SDWA Section 1417 was amended for the prohibition on use and introduction into commerce of lead pipes, solder and flux. These new requirements became effective on January 1, 2014. The amendments specifically modified the applicability of the prohibitions by creating exemptions for certain non-potable applications, changed the definition of “lead-free” by reducing lead content from 8% to a weighted average of not more than 0.25% in the wetted surface material (primarily affects brass/bronze), eliminated the provision that required certain products to comply with “voluntary” standards for lead leaching, and established a statutory requirement for calculating lead content.

The exemptions to the SDWA Section 1417 are pipes, pipe fittings, plumbing fittings or fixtures, including backflow preventers, which are used exclusively for non-potable services, such as manufacturing, industrial processing, irrigation, outdoor watering, or any other uses where the water is not anticipated to be used for human consumption. The exemption also applies to toilets, bidets, urinals, fill valves, flushometer valves, tub fillers, shower valves, service saddles, or water distribution main gate valves that are 2 inches in diameter or larger. In addition to the SDWA, the Community Fire Safety Act of 2013 exempted fire hydrants from this requirement.

As a result of these amendments, buildings constructed after 2014 are the least likely to have plumbing containing lead materials, so these consumers are at the lowest risk of exposure to lead from drinking water.

Because it is practically impossible to determine the lead content of an installed fixture, fitting or pipe, it should be assumed that the manufacture or installation date is the primary indicator of the lead content. Therefore, the characteristics of buildings and piping solder or fixtures would be **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. 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.**