



COON CREEK WATERSHED DISTRICT

Ditch 20 Inspection Report

Jason Hilst
Operations & Maintenance Inspector
January 22, 2024



Purpose

Identify & Prioritize Maintenance Needs:

- Flooding
- Water Quality
- Wildlife Habitat

Modern survey methods

- Photos at surveyed & points of interest
- Profile
- Cross-section

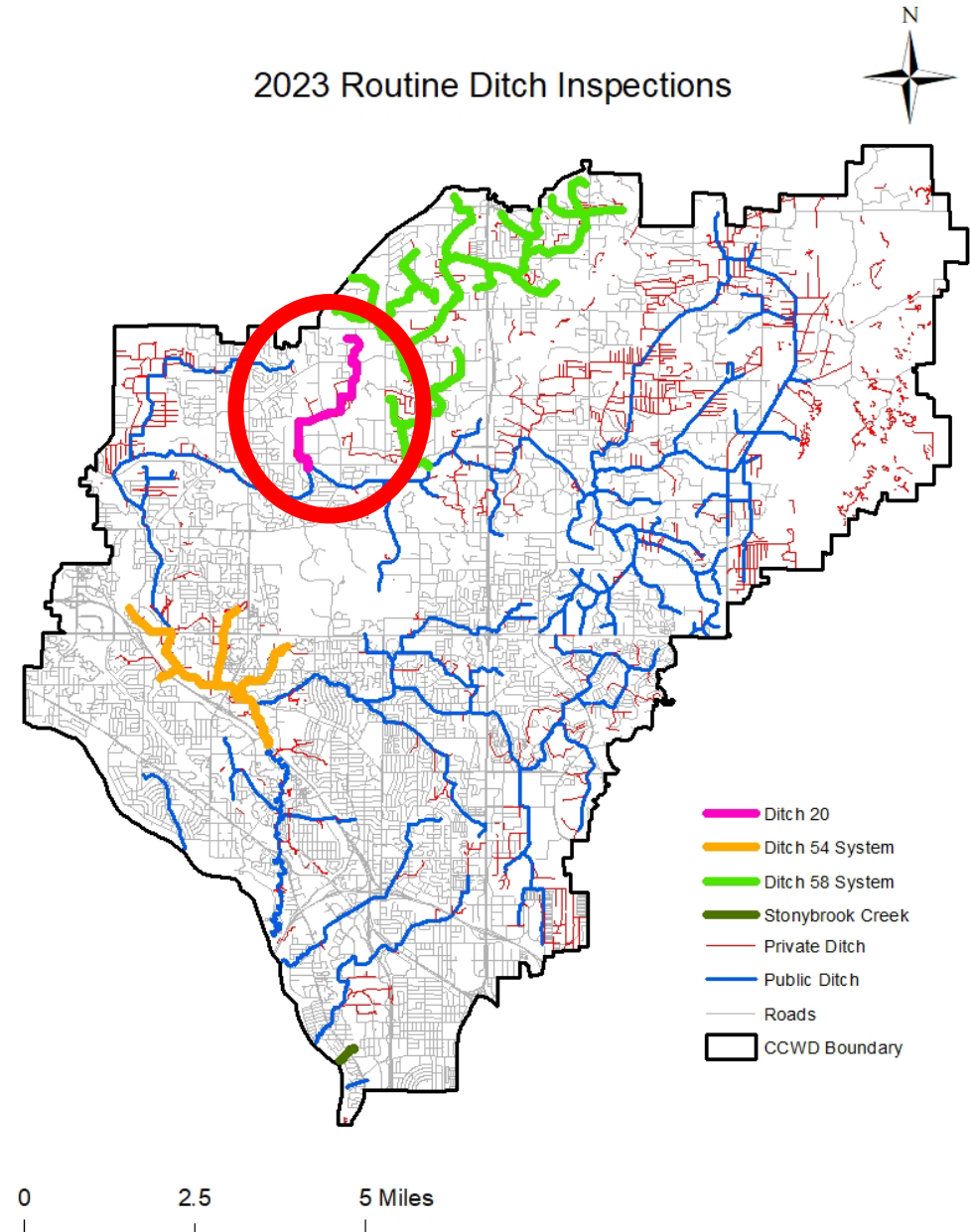


Annual Inspection Program

Inspect 20% of public ditches
2023 : Ditch 20

Ditch 54 [In Progress]
Ditch 58 [In Progress]
Stonybrook Creek [Complete]

*28.8 Total miles to be inspected in 2023



Ditch 20 System

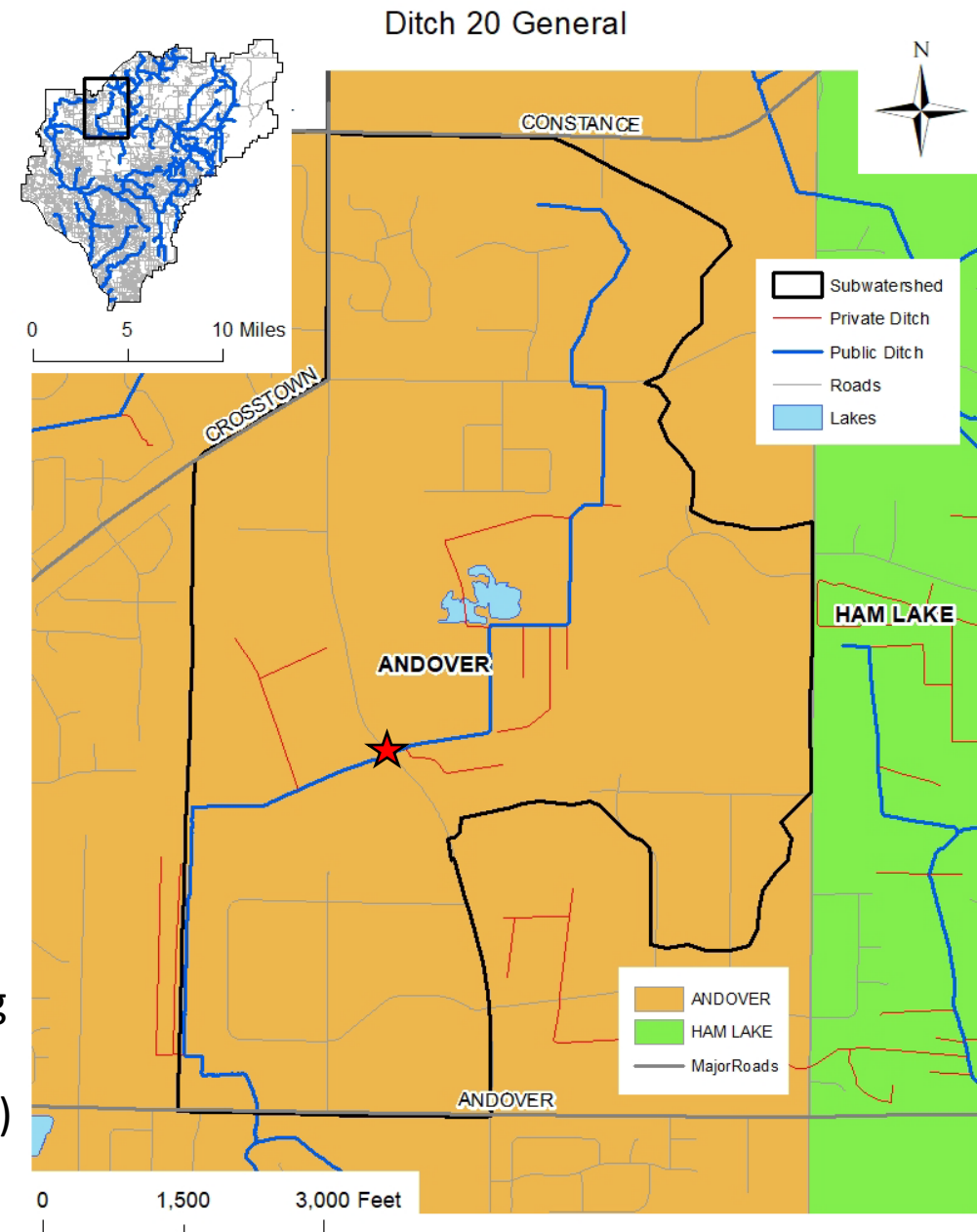
Channel Length: **2.96 miles**
15,629 feet

Subwatershed Area: **1.8 sq. miles**
1,144 acres total

0 Public Laterals

Andover

★ Prairie Rd Crossing
Winslow Cove Dev.
(2023 Board Tour Site)

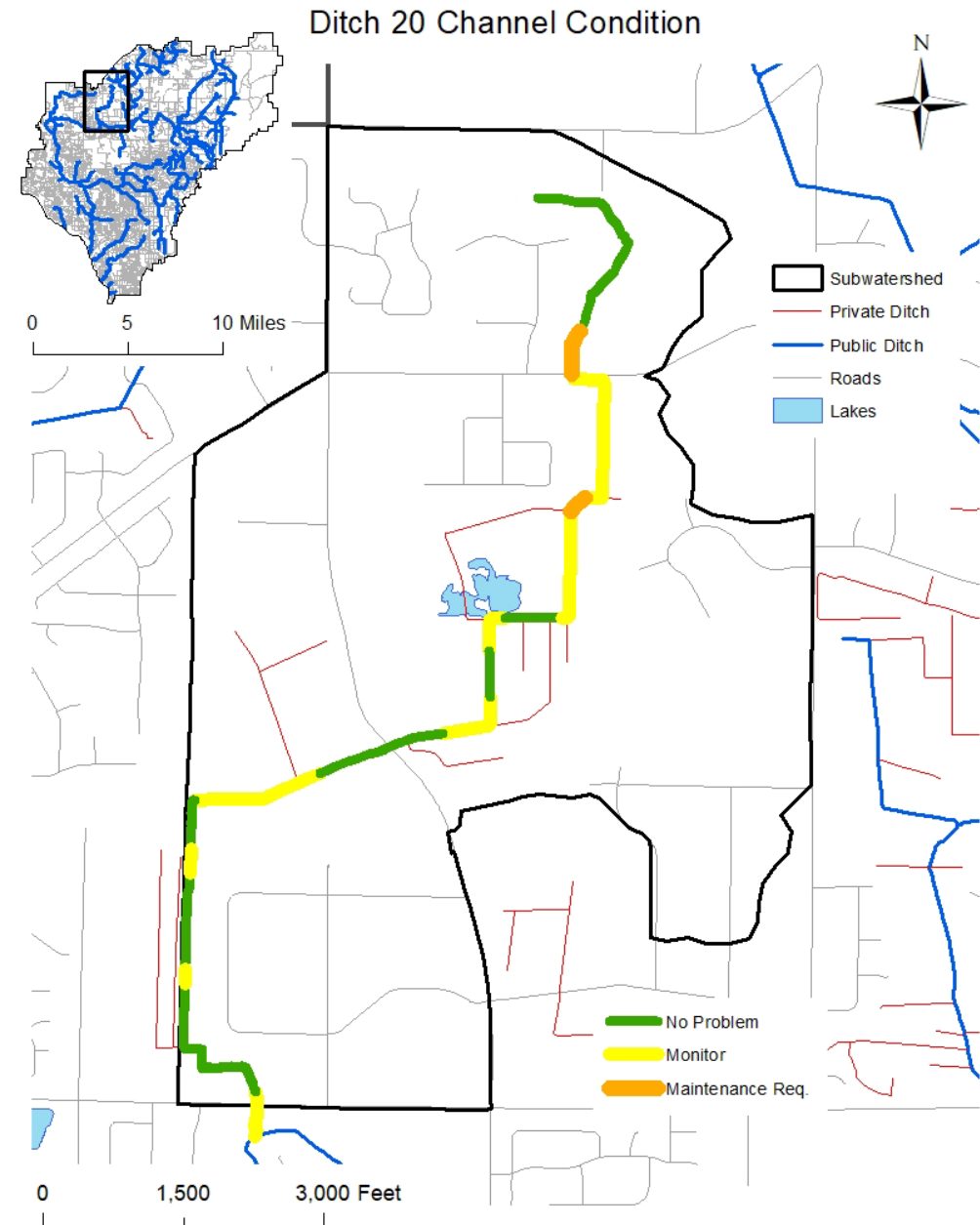


Channel Condition

Overall Condition: Fair/Good

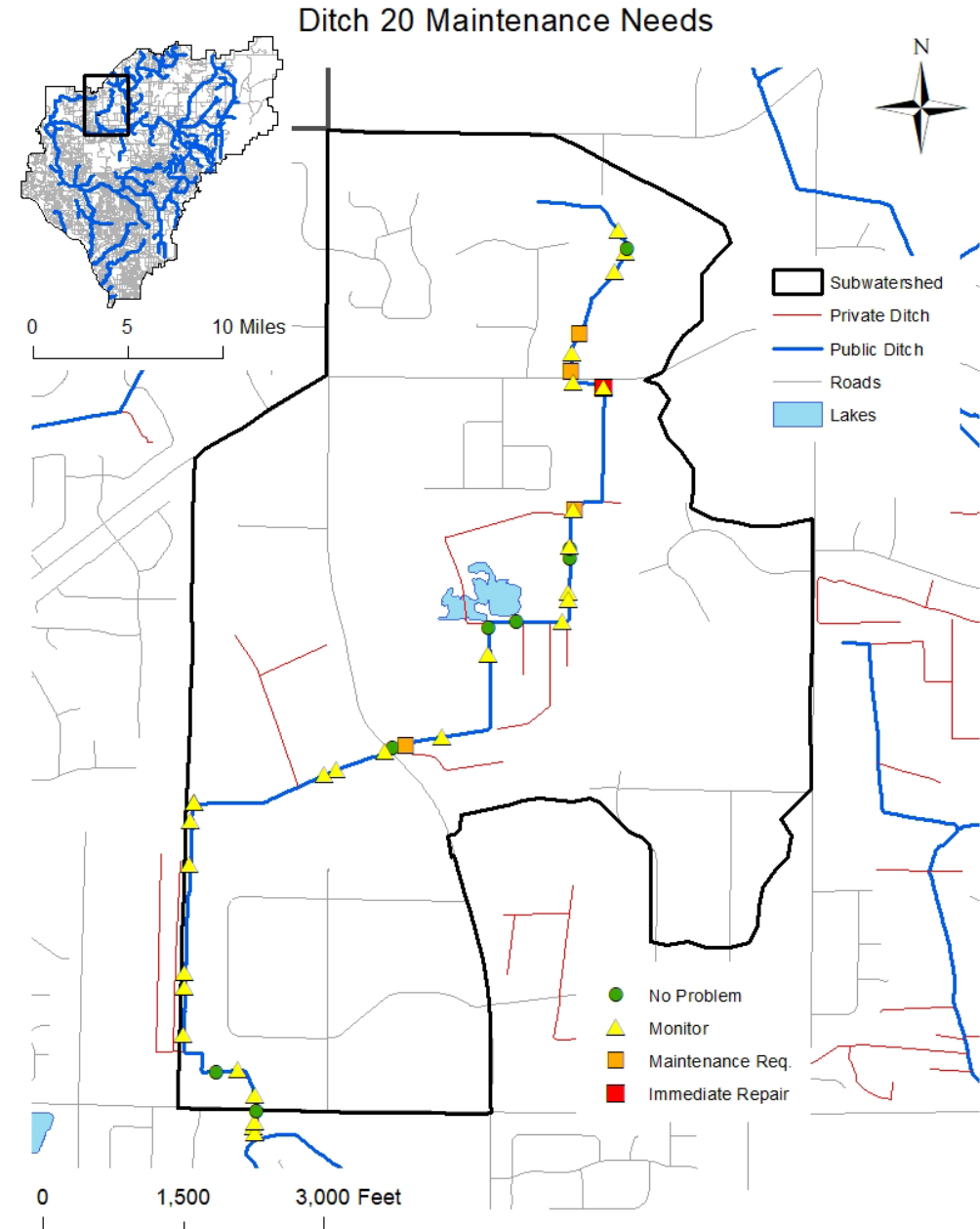
Fair/Good throughout

Fair/Poor two small sections



Inspection Results

Need	Timeframe	# Sites	Estimated Cost
Immediate	<1 year	1	\$0
Projected	1-5 years	4	\$9,000
Potential	5+ years	37	\$107,660
TOTAL		42	\$116,660



Key takeaways:

The Ditch 20 system is in fair/good condition

There is only one immediate maintenance concern (buried culvert)

Staff recommendation:

Receive report

THANK YOU!

Questions?





2023. 8. 29



2023. 8. 30



2023. 7. 31

2018

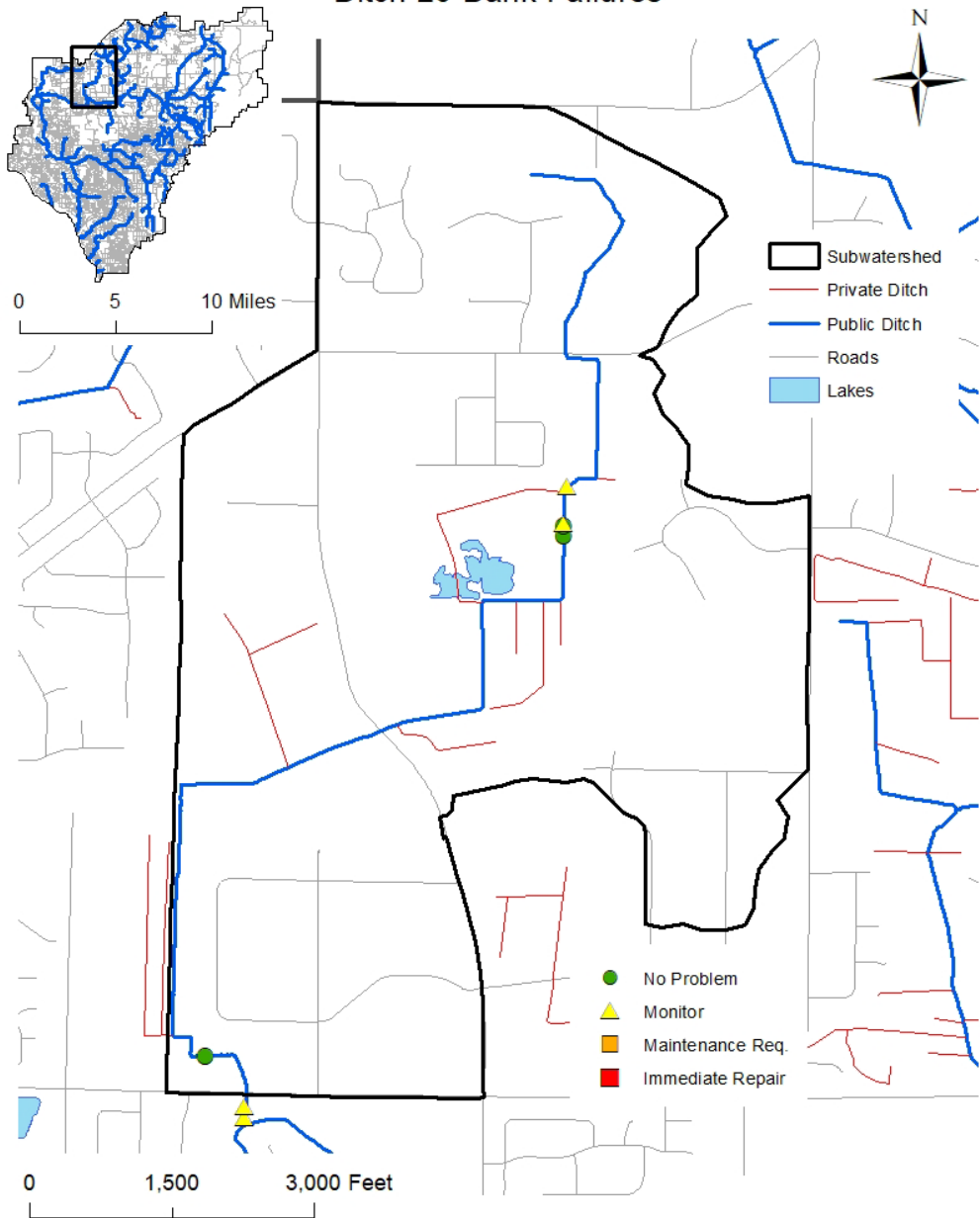
Need	Timeframe	# Sites	Estimated Cost
Immediate	<1 year	0	\$0
Projected	1-5 years	6	\$0
Potential	5+ years	34	\$141,835
	TOTAL	40	\$141,835

2023

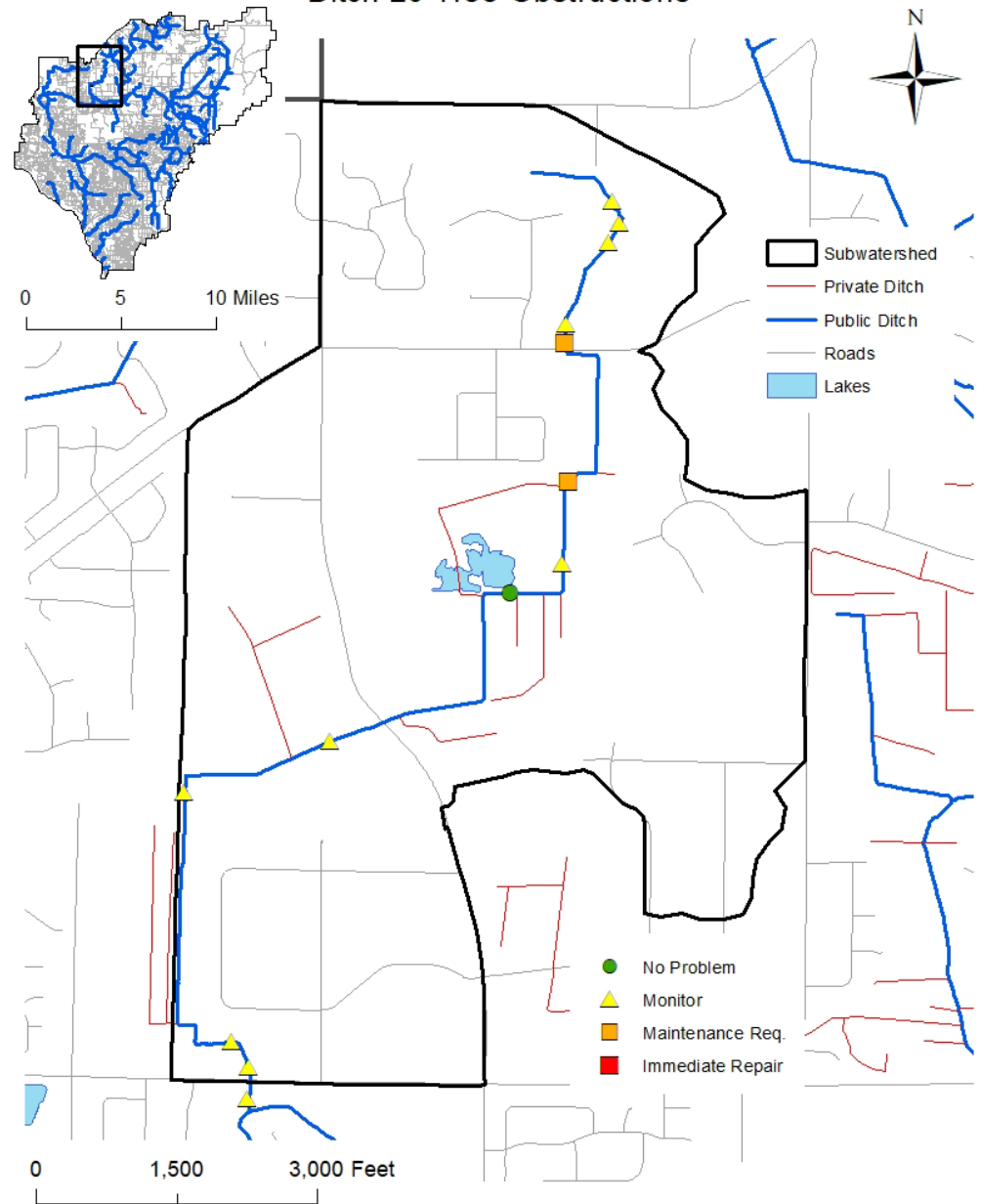
Need	Timeframe	# Sites	Estimated Cost
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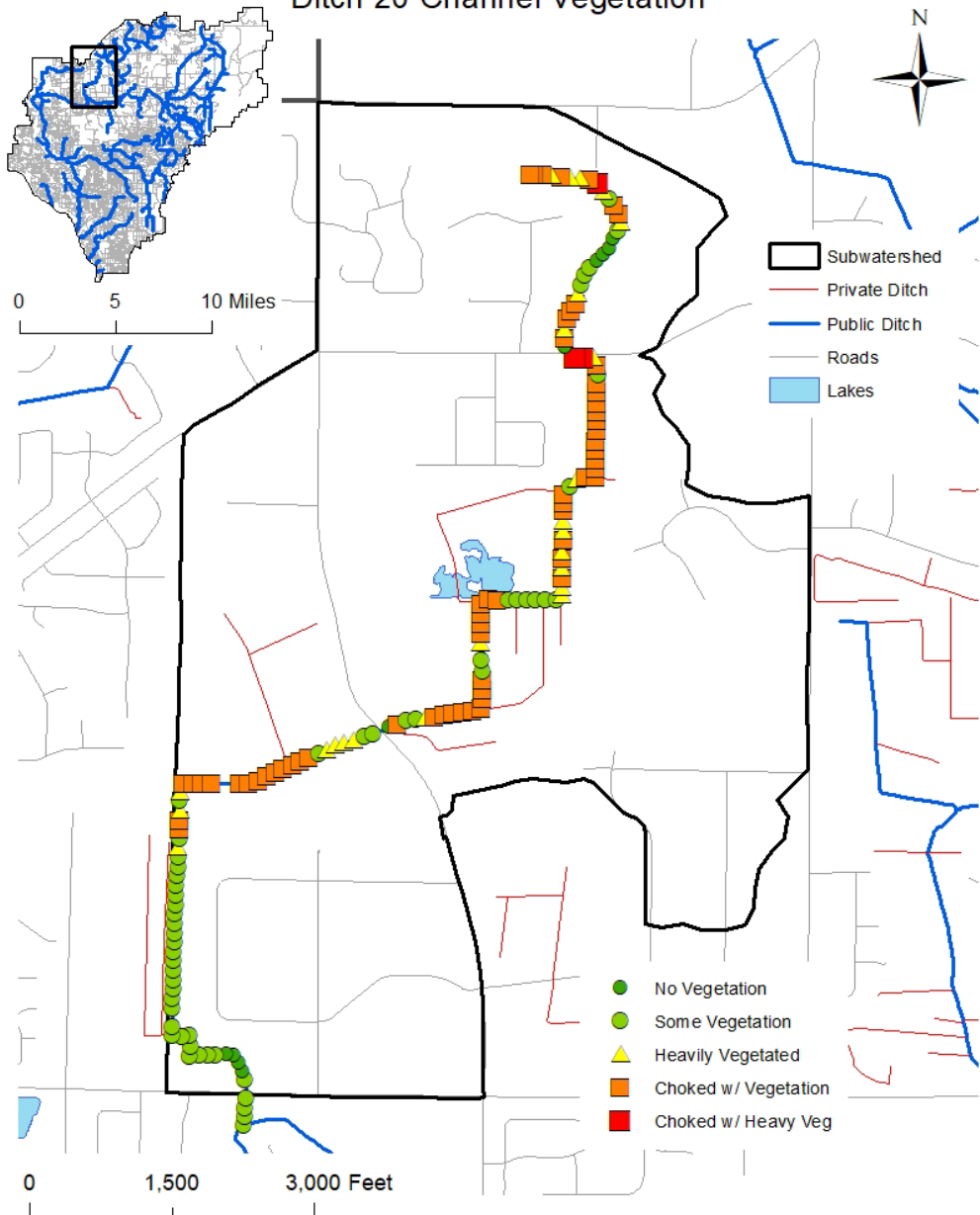
Ditch 20 Bank Failures



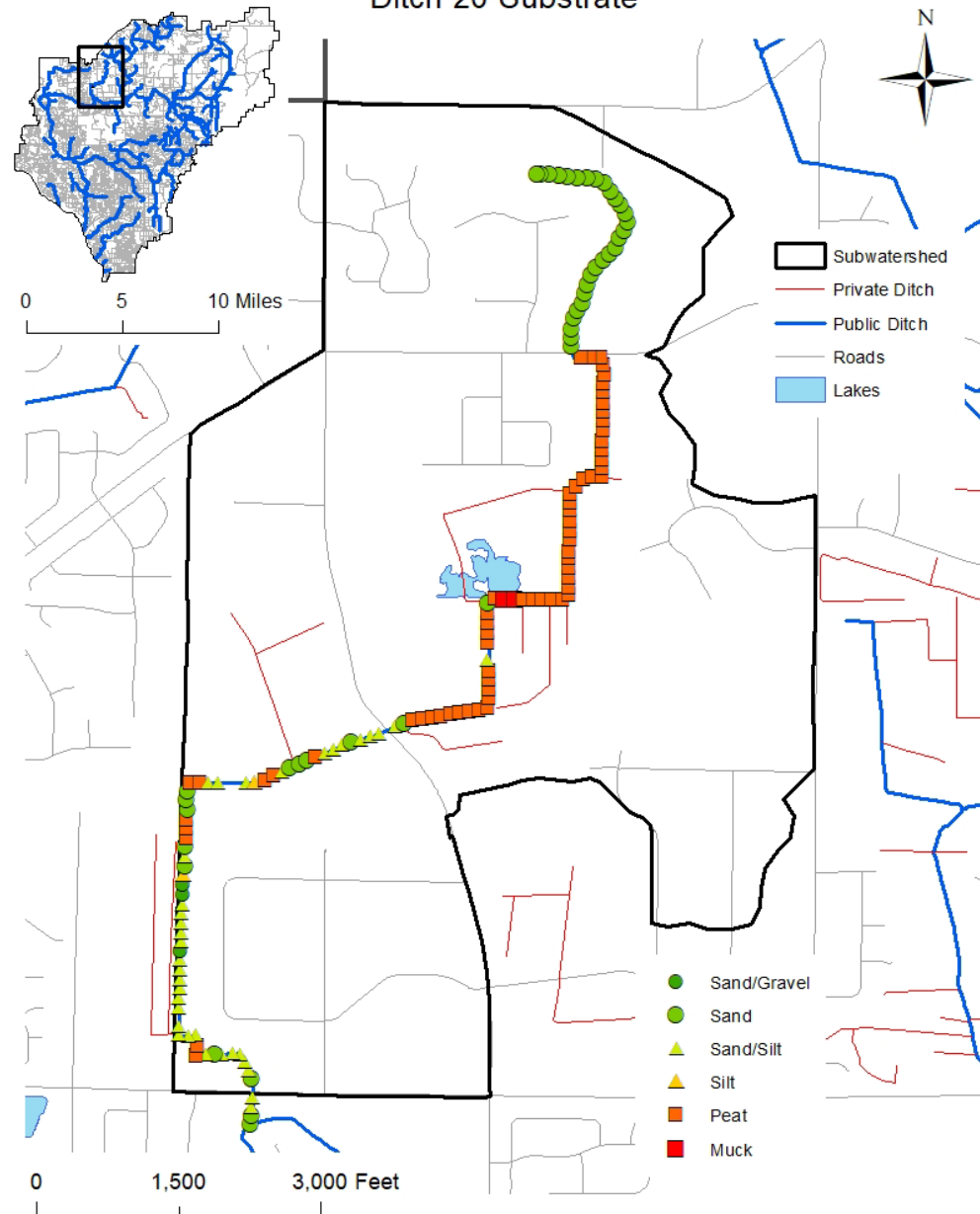
Ditch 20 Tree Obstructions



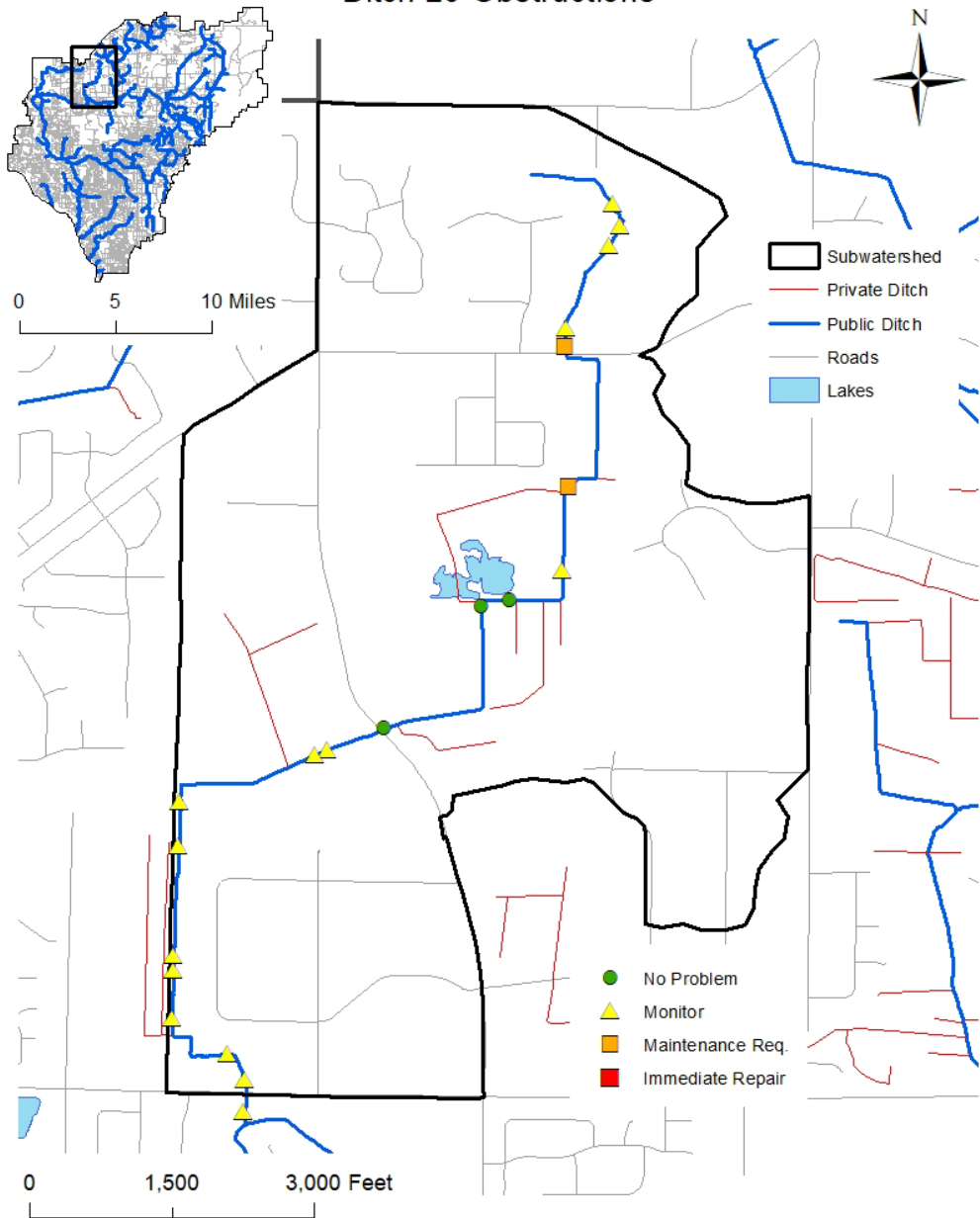
Ditch 20 Channel Vegetation



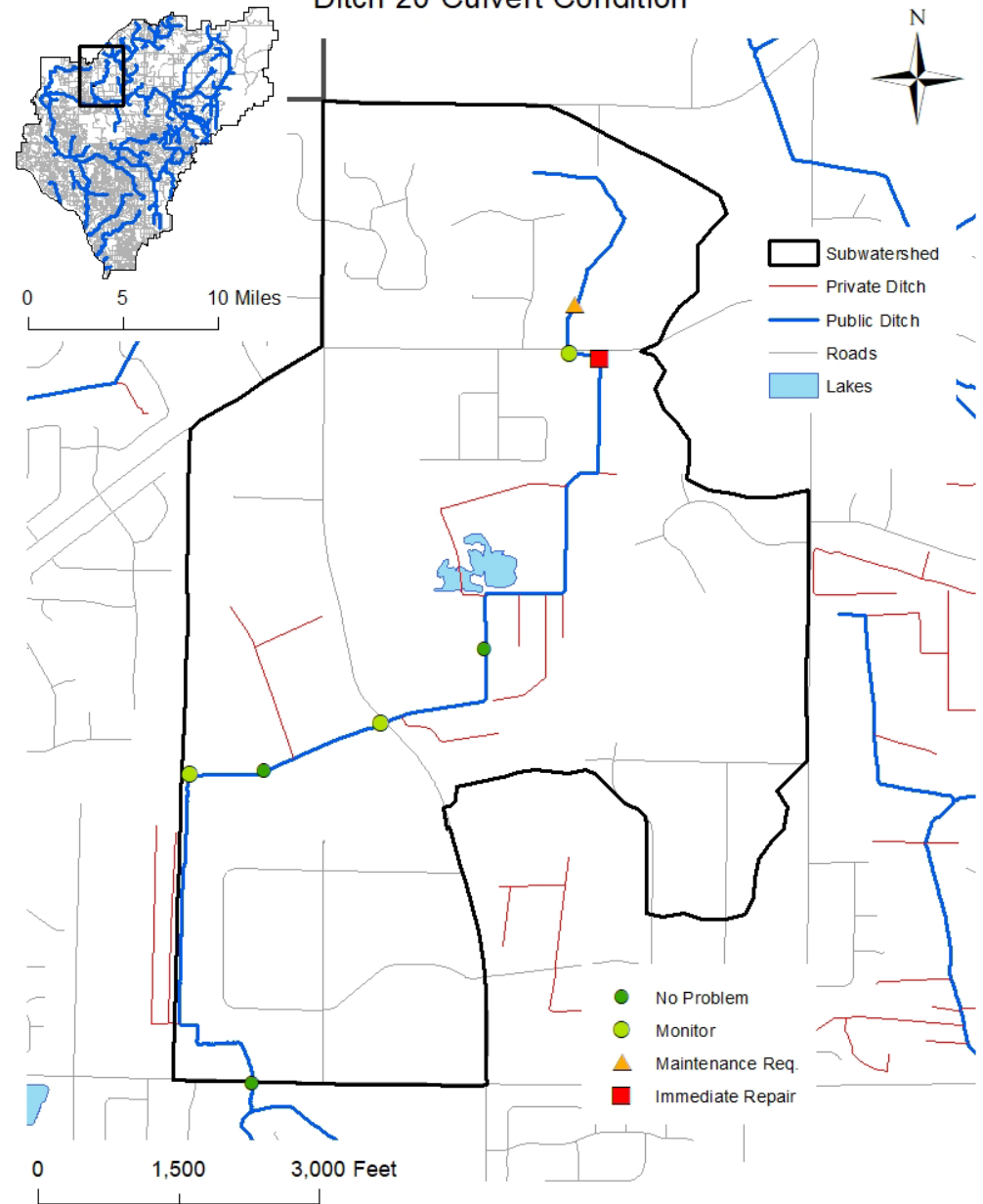
Ditch 20 Substrate



Ditch 20 Obstructions



Ditch 20 Culvert Condition





COON CREEK
WATERSHED DISTRICT

Ditch 54 Inspection Report

Jason Hilst
Operations & Maintenance Inspector
January 22, 2024



Purpose

Identify & Prioritize Maintenance Needs:

- Flooding
- Water Quality
- Wildlife Habitat

Modern survey methods

- Photos at surveyed & points of interest
- Profile
- Cross-section

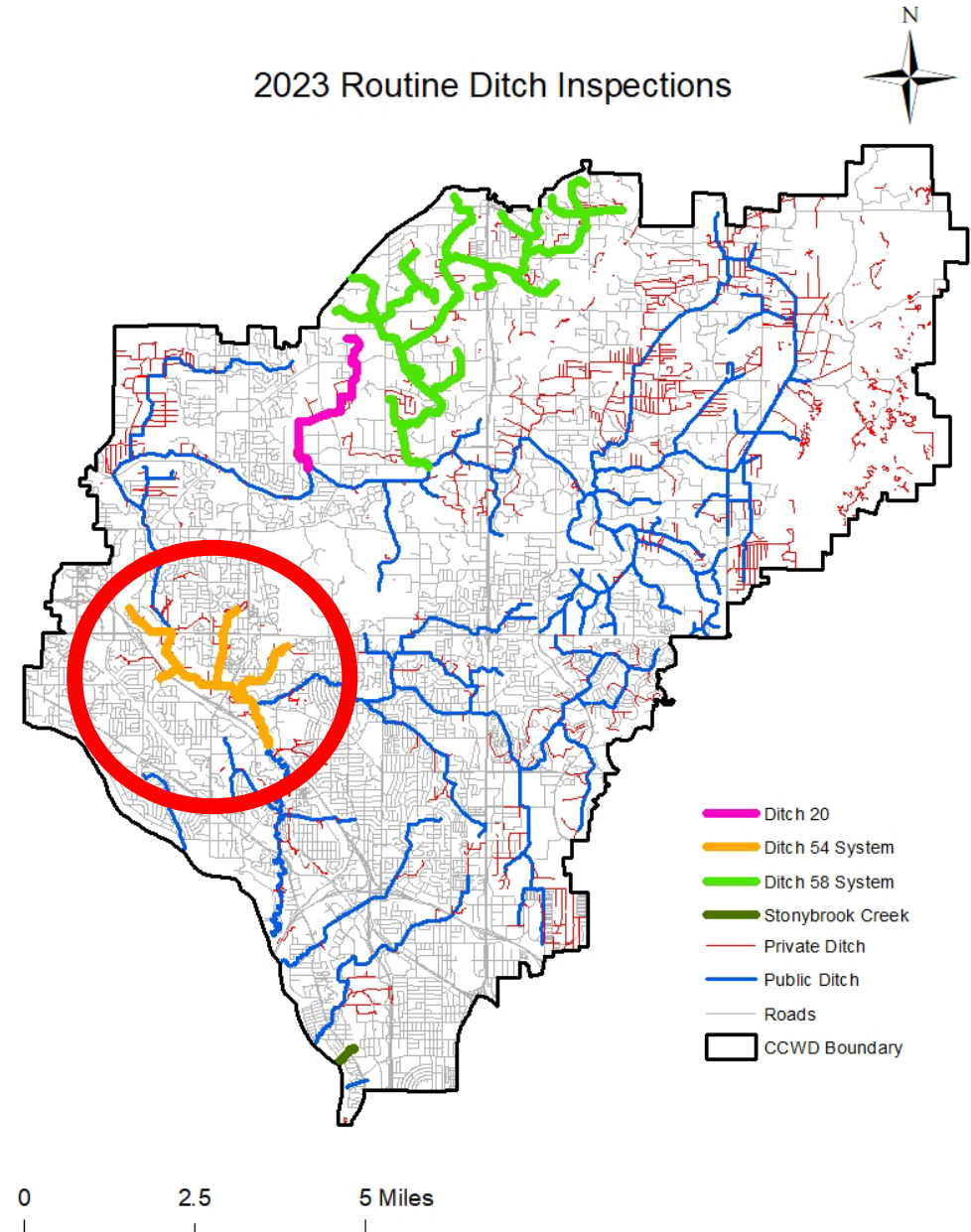


Annual Inspection Program

Inspect 20% of public ditches
2023 : Ditch 54

Ditch 58 [In Progress]
Ditch 20 [Complete]
Stonybrook Creek [Complete]

*28.8 Total miles to be inspected in 2023



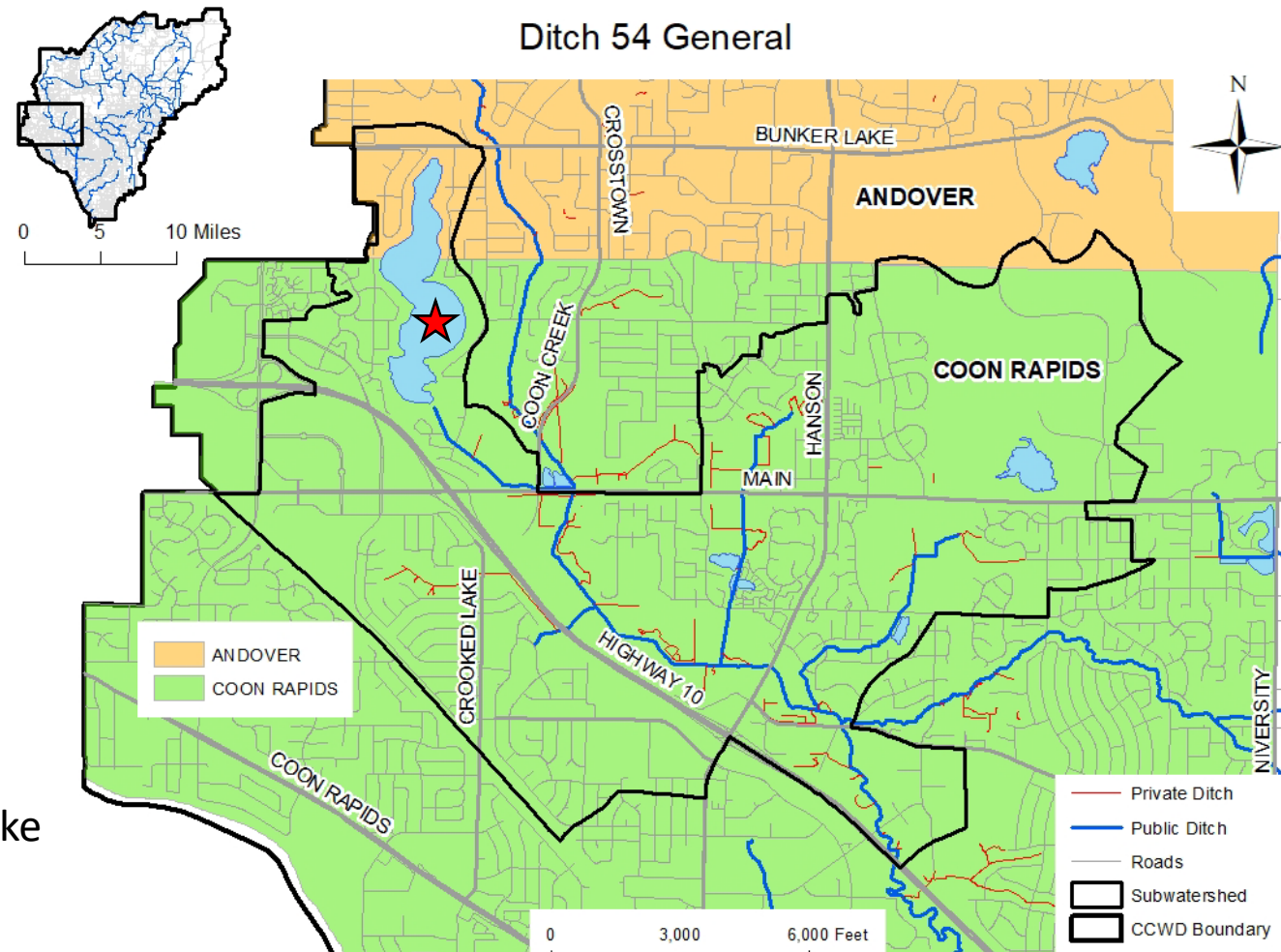
Ditch 54 System

Channel Length: **6.4 miles**
33,792 feet

Subwatershed Area: **6.6 sq. miles**
4,252 acres total

4 Public Laterals

Coon Rapids



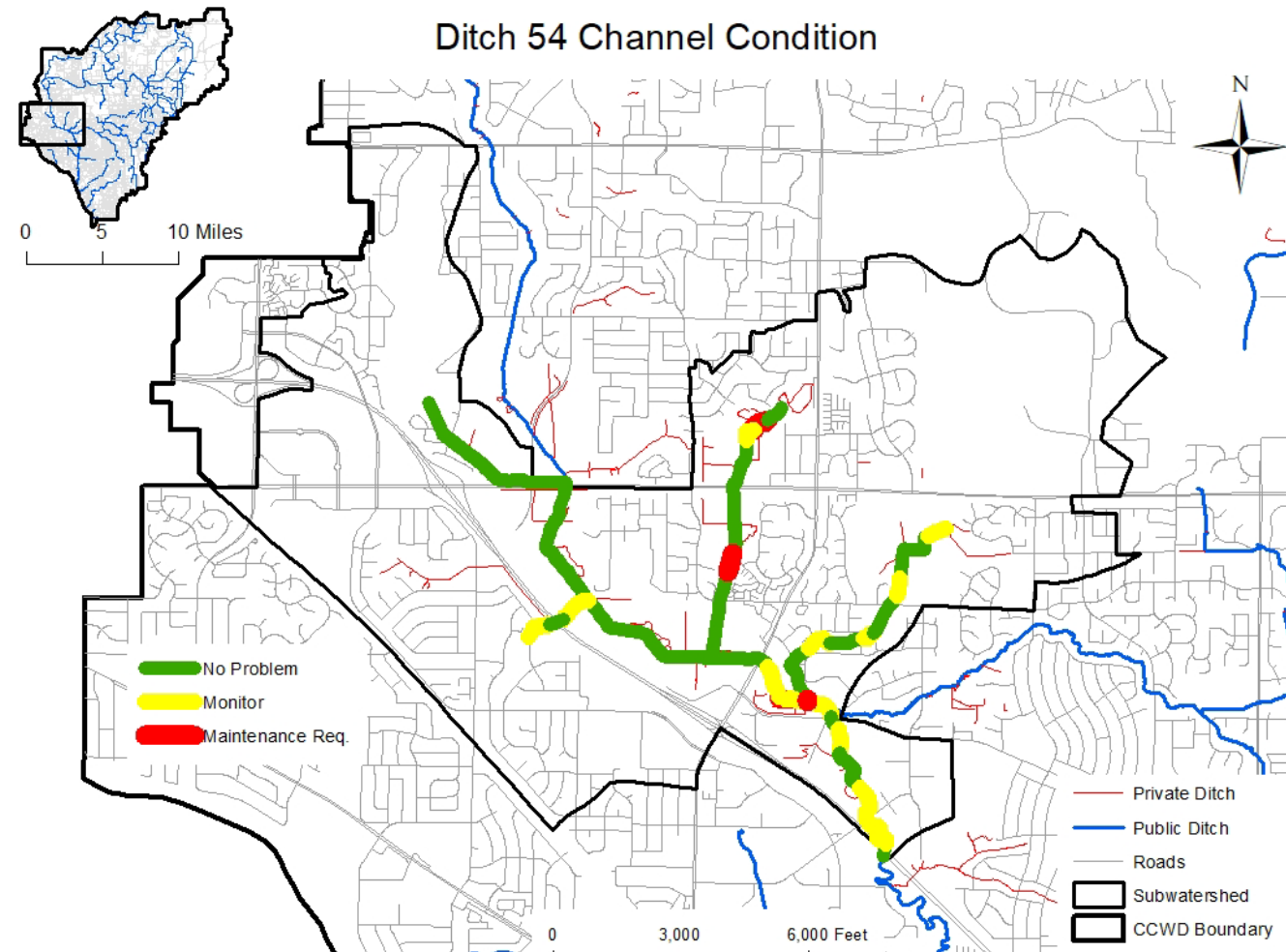
★ Crooked Lake

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Channel Condition

Overall Condition: Fair/Good
Good/Fair throughout
Fair/Poor several small sections

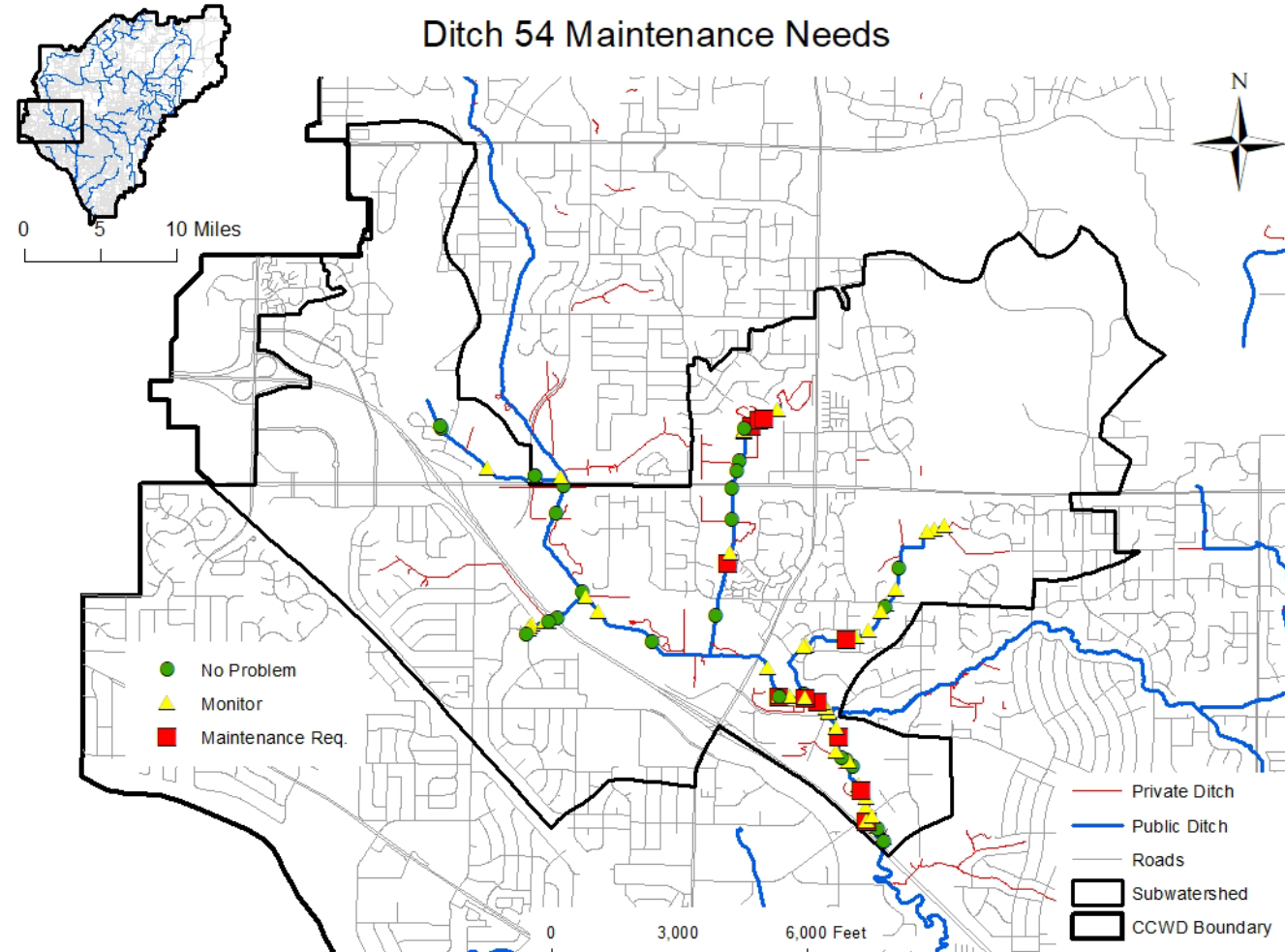


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Inspection Results

Need	Timeframe	# Sites	Estimated Cost
Immediate	<1 year	0	\$0
Projected	1-5 years	14	\$30,984
Potential	5+ years	82	\$662,845
TOTAL		96	\$693,828



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Key takeaways:

The Ditch 54 system is in fair/good condition
There are no immediate maintenance concerns

Staff recommendation:
Receive report

THANK YOU!

Questions?





2023. 8. 10



2023. 8. 1



2023. 8. 2



2023. 8. 2

2018

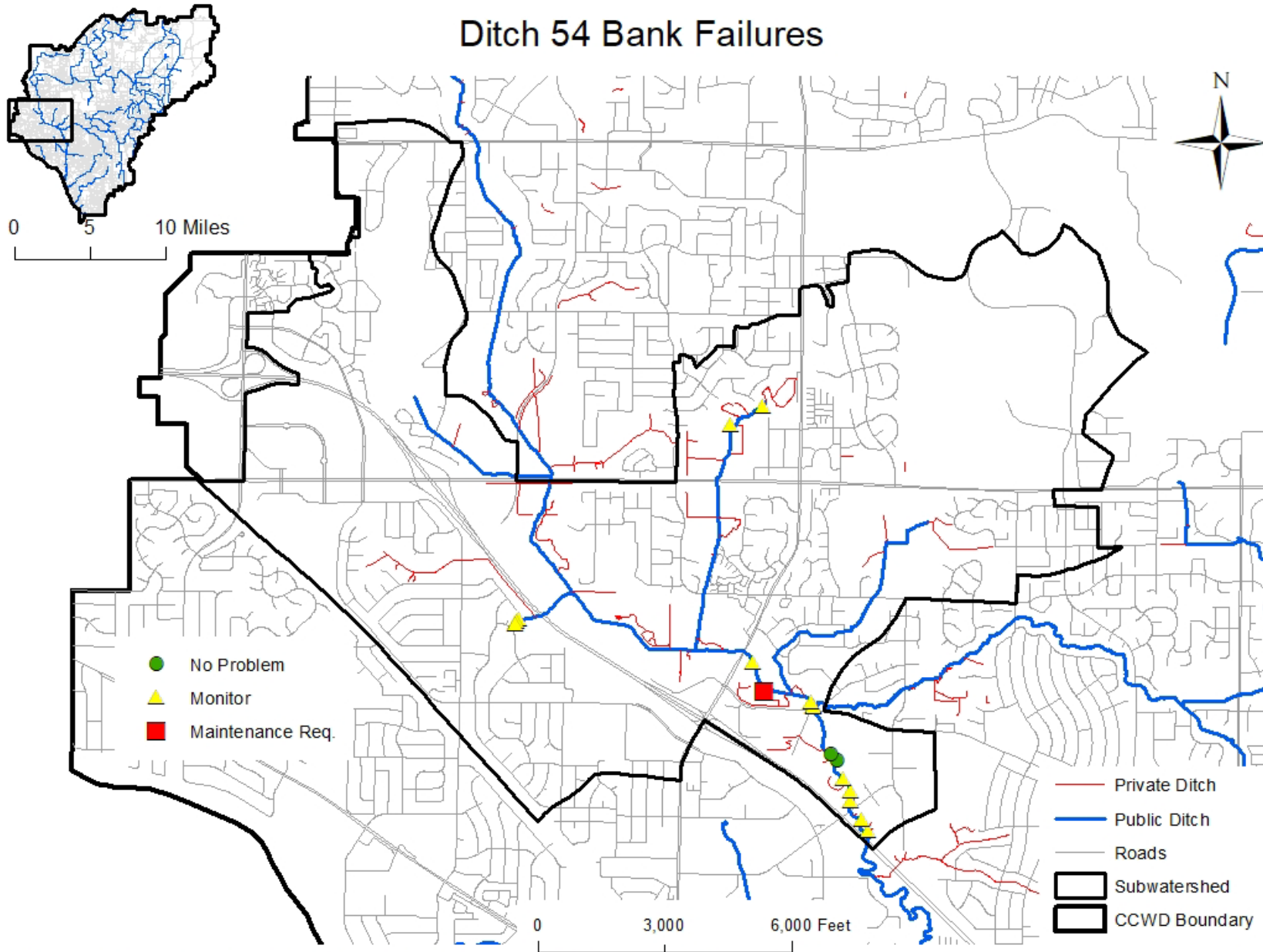
Need	Timeframe	# Sites	Estimated Cost
Immediate	<1 year	5	\$0
Projected	1-5 years	35	\$17,000
Potential	5+ years	25	\$204,043
	TOTAL	65	\$221,043

2023

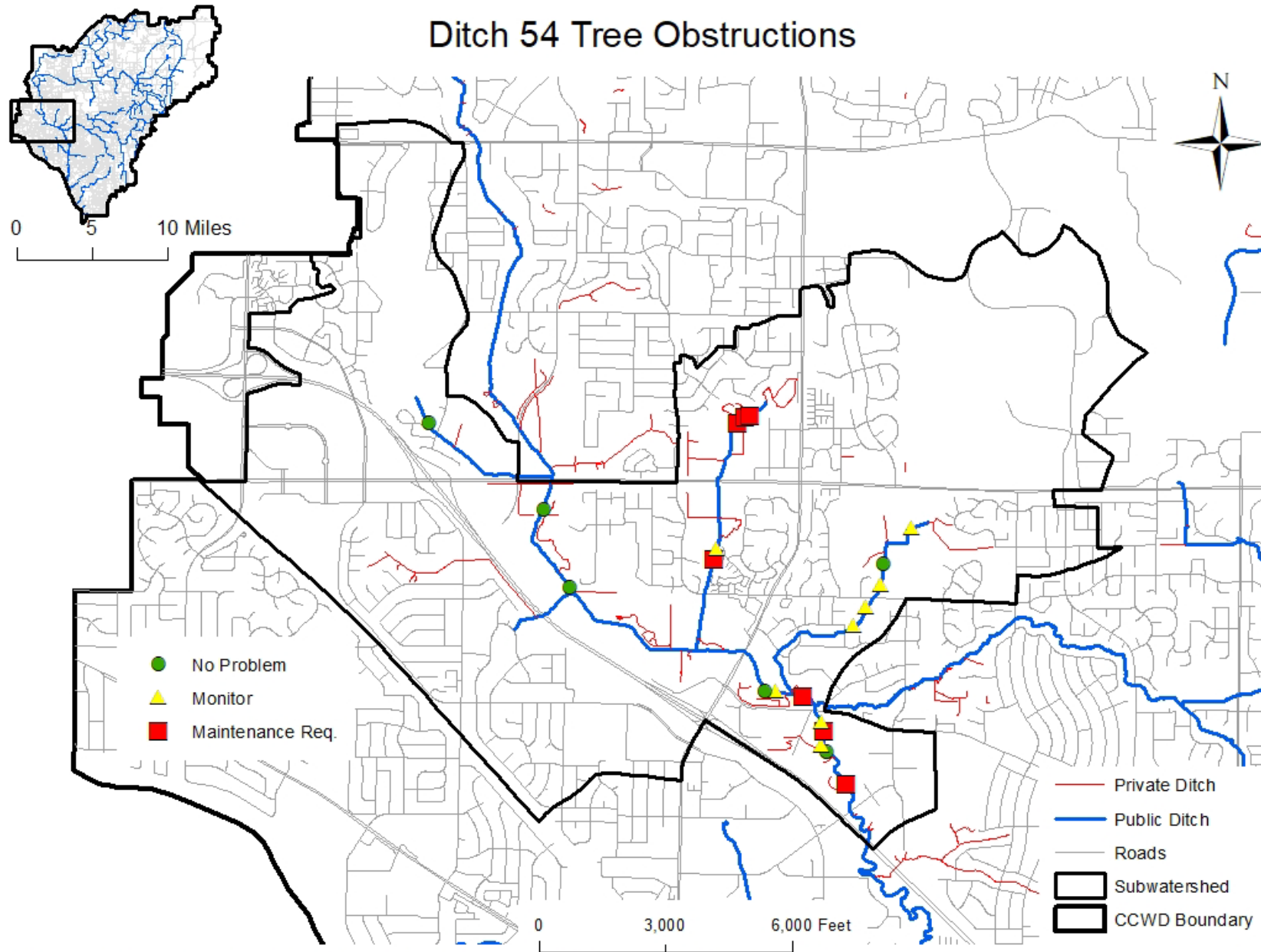
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Immediate	<1 year	0	\$0
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Potential	5+ years	82	\$662,845
	TOTAL	96	\$693,828



Ditch 54 Bank Failures



Ditch 54 Tree Obstructions



Ditch 54 Channel Vegetation

