

North Deep Fork

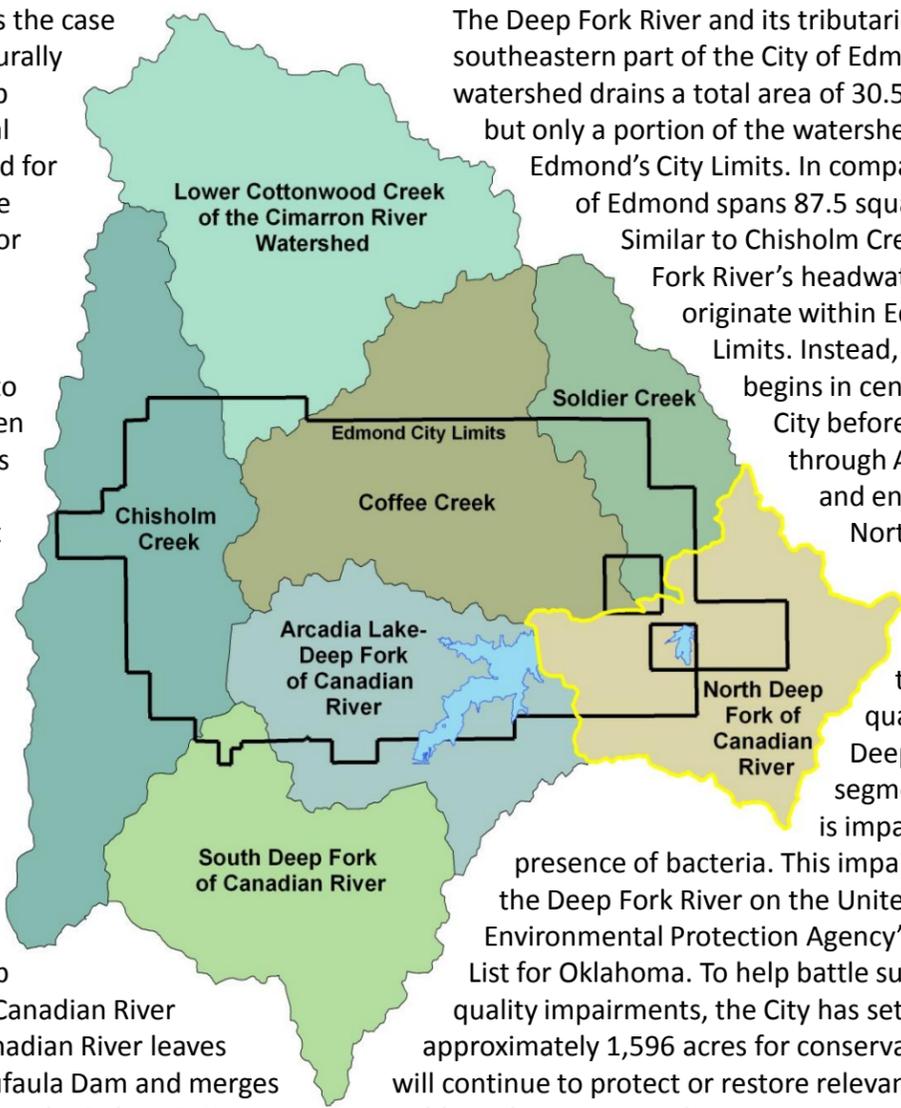
Getting to Know the North Deep Fork of Canadian River Watershed

Watershed Details

A Watershed is...

an area of land where all of the water that drains off of it flows to a particular point such as a stream, lake, or other body of water. Watersheds are usually bordered and separated from neighboring watersheds by mountain ridges or, as is the case here in Edmond, by naturally elevated areas. The map below shows seven local watersheds, each named for the major stream or lake within its boundaries. For example, surface water flowing over the land in Edmond's North Deep Fork Watershed drains to Deep Fork River. All seven of Edmond's watersheds are part of a larger regional watershed that eventually drains to the Gulf of Mexico!

If you were to follow a rain drop from where it falls in Edmond's North Deep Fork Watershed to its eventual destination in the Gulf of Mexico, that rain drop would journey east in the Deep Fork River and join the Canadian River at Lake Eufaula. The Canadian River leaves Lake Eufaula through Eufaula Dam and merges with the Arkansas River at the Robert S. Kerr Reservoir. The Arkansas River then flows east until it merges with the great Mississippi River in southeastern Arkansas near its border with



Mississippi. From there, the Mississippi River flows south and discharges into the Gulf of Mexico! That's a journey of 1,141 miles!

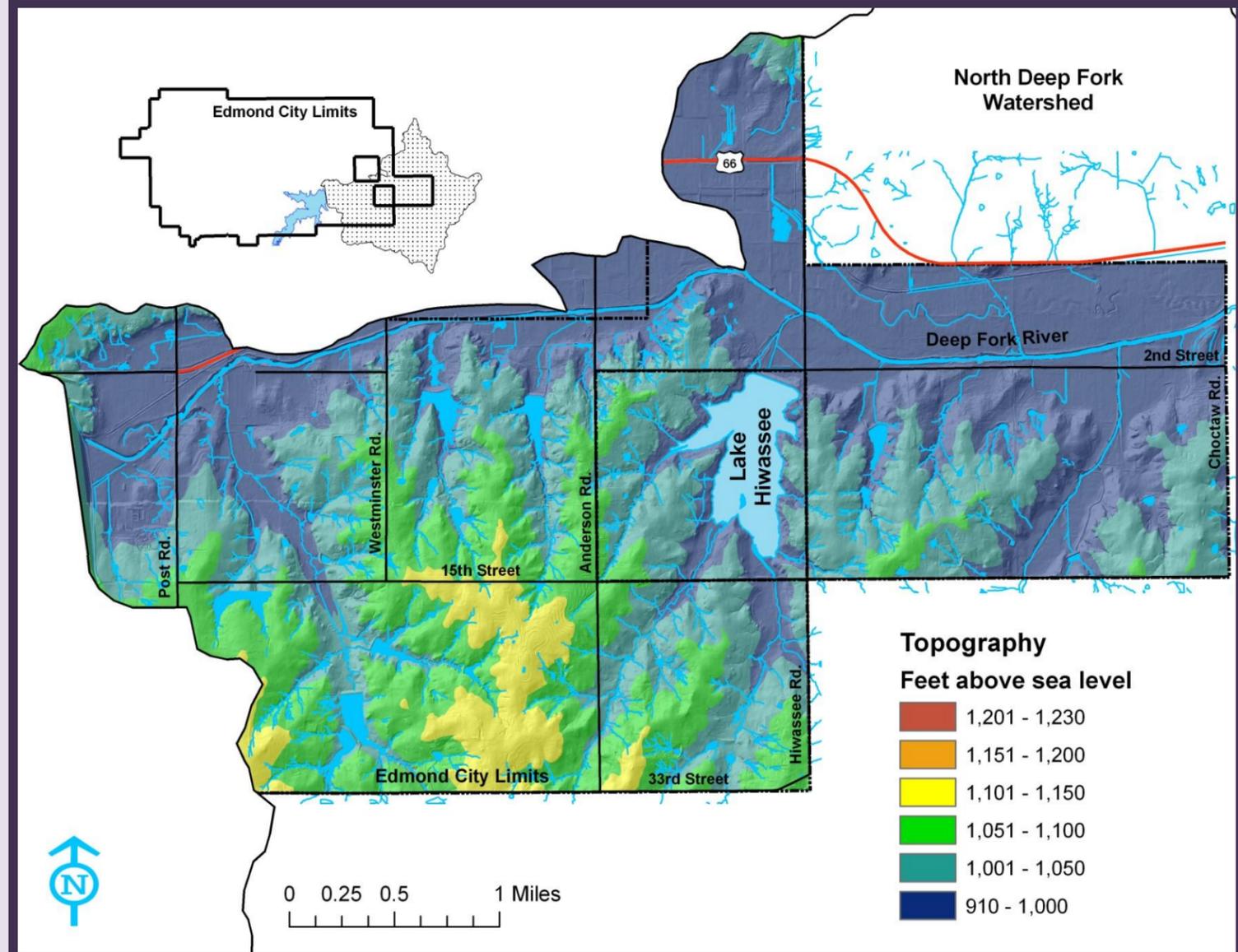
The Deep Fork River and its tributaries drain the southeastern part of the City of Edmond. The watershed drains a total area of 30.5 square miles, but only a portion of the watershed is within Edmond's City Limits. In comparison, the City of Edmond spans 87.5 square miles.

Similar to Chisholm Creek, the Deep Fork River's headwaters do not originate within Edmond's City Limits. Instead, the River begins in central Oklahoma City before passing through Arcadia Lake and entering the North Deep Fork Watershed.

Unfortunately, the water quality of a Deep Fork River segment in Edmond is impaired by the presence of bacteria. This impairment places the Deep Fork River on the United States Environmental Protection Agency's (EPA) 303(d) List for Oklahoma. To help battle such water quality impairments, the City has set aside approximately 1,596 acres for conservation. The City will continue to protect or restore relevant areas where possible and incorporate them into a network of parks, open space, trails, and other natural corridors.

Protect Your Watersheds!

Watershed Topography



For More Information...

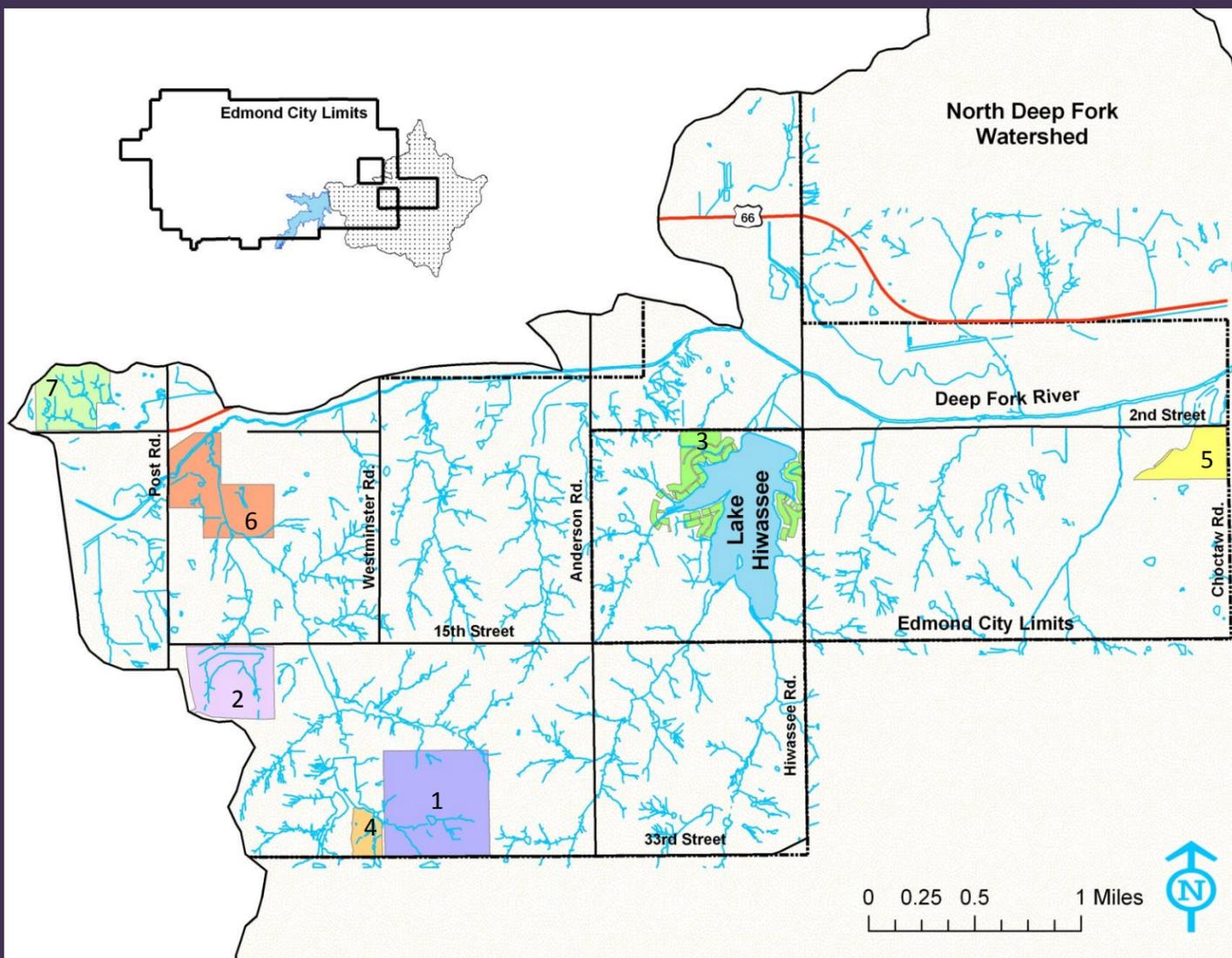


The City of Edmond's Stormwater Quality Division has developed this watershed fact sheet using information from the City's GIS database and the U.S. Environmental Protection Agency's My WATERS Mapper, an interactive mapping program that unites water quality information that was previously available only from several independent and unconnected databases. The purpose of this watershed fact sheet is to increase awareness about watersheds and watershed protection. For more information, please visit edmondok.com or contact our office directly at 405.359.4772.

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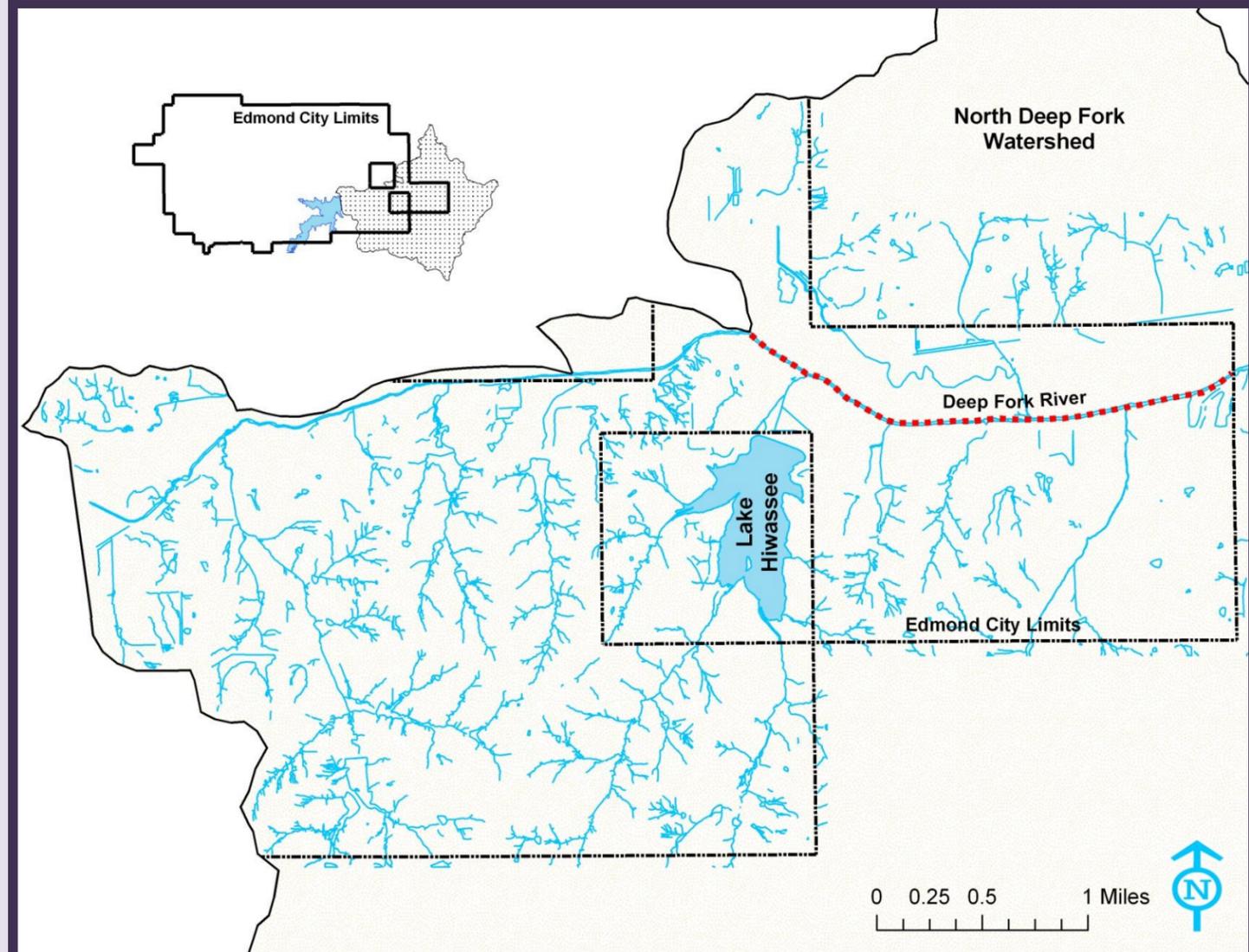
Do you live in the North Deep Fork Watershed?



Neighborhoods

- | | |
|------------------------------|----------------------|
| 1. Freeman Manor | 5. Raven Ridge |
| 2. Lake at Chitwood Farms | 6. Rocky Top Estates |
| 3. Lake Hiwassee Subdivision | 7. Sugar Hill |
| 4. Lakes at the Woods | |

North Deep Fork Impaired Waters



Oklahoma's 303(d) List

What is a 303(d) List of impaired waters? The term "303(d) list" refers to Section 303(d) in the 1972 amendments to the Clean Water Act (CWA). Under Section 303(d), all states, territories, and authorized tribes are required to develop lists of impaired and threatened water bodies that do not meet water quality standards. The states must then submit the lists to the Environmental Protection Agency (EPA) every two years for approval. The 2010 303(d) list is considered Oklahoma's official list of impaired waters until the 2012 303(d) list is approved by the EPA. The segment of the Deep Fork River denoted in red in the above map is included in the 2010 303(d) List for Oklahoma. Unfortunately, this river segment is impaired by bacteria, namely *Enterococcus*.