

# Chisholm Creek

## Getting to Know the Chisholm Creek 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 Chisholm Creek Watershed drains to Chisholm Creek. 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 Chisholm Creek Watershed to its eventual destination in the Gulf of Mexico, that rain drop would journey north in Chisholm Creek and join Cottonwood Creek, which flows through Guthrie. Northwest of Guthrie, Cottonwood Creek joins the Cimarron River. Downstream from the confluence of the Cimarron River and Cottonwood Creek, the Cimarron River flows into the Arkansas River at the Keystone Reservoir west of Tulsa. 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 flows south and discharges into the Gulf of Mexico! That's a journey of 1,194 miles!

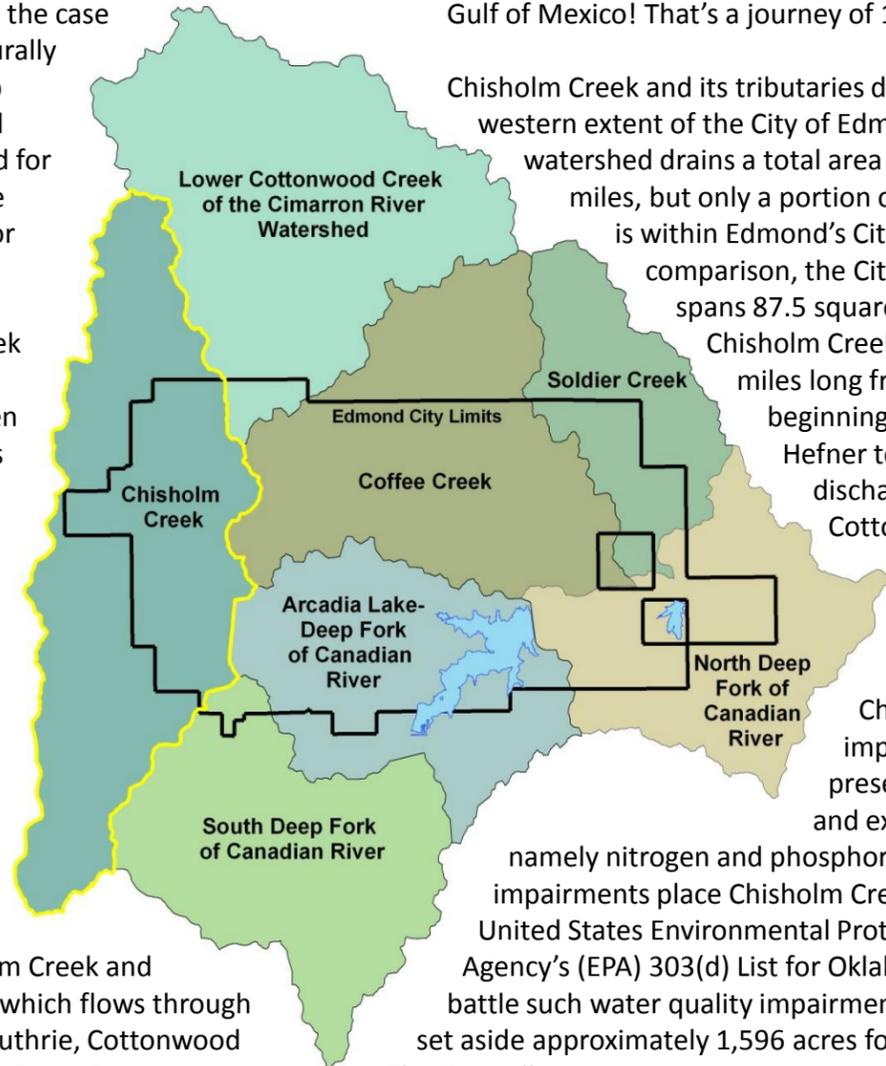
Chisholm Creek and its tributaries drain the western extent of the City of Edmond. The watershed drains a total area of 50 square miles, but only a portion of the watershed is within Edmond's City Limits. In comparison, the City of Edmond spans 87.5 square miles.

Chisholm Creek itself is 21 miles long from its beginning east of Lake Hefner to where it discharges into Cottonwood Creek.

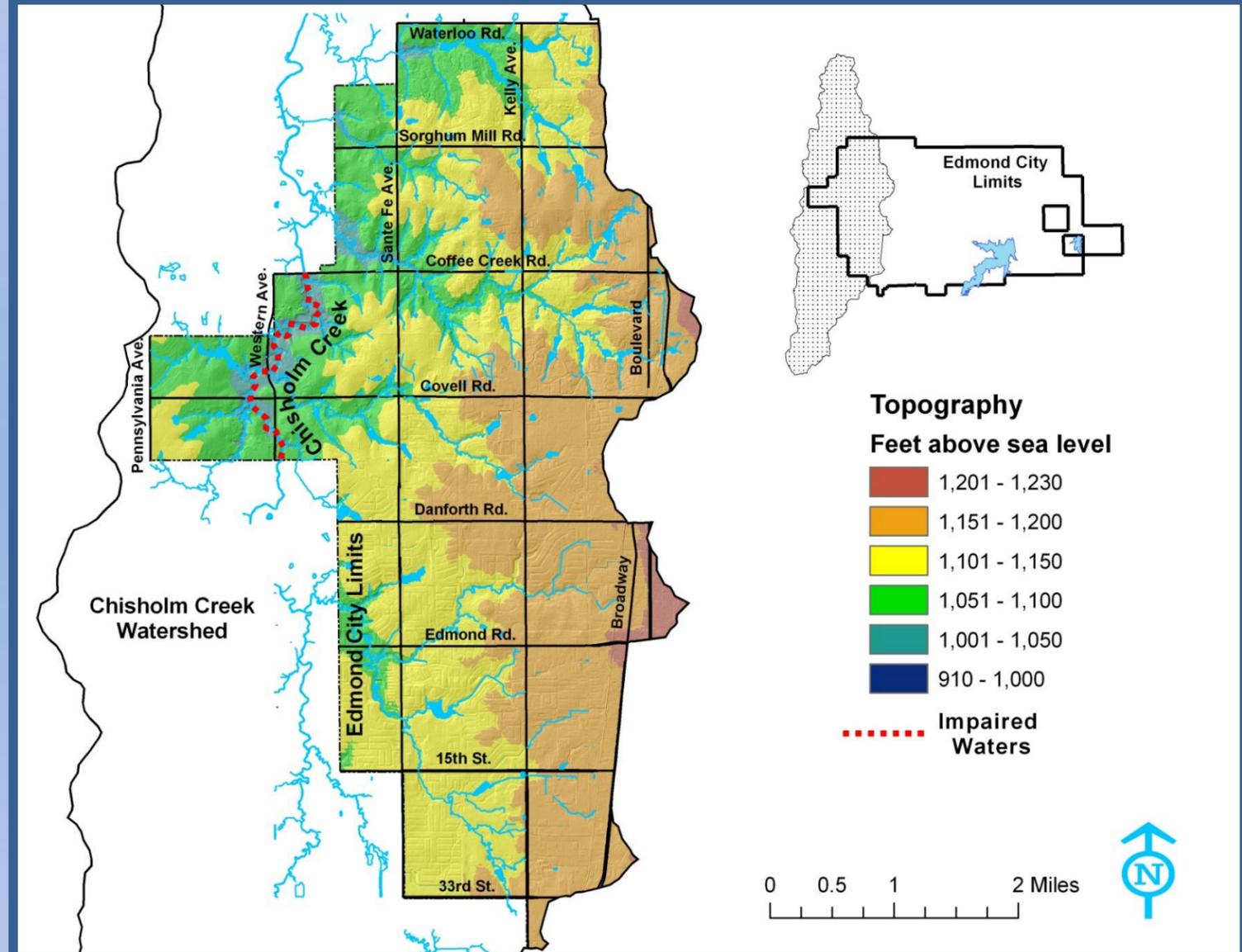
Unfortunately, the water quality of Chisholm Creek is impaired by the presence of bacteria and excess nutrients,

namely nitrogen and phosphorus. These impairments place Chisholm Creek 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 & 2010 303(d) List Impaired Waters



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 U.S. 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 Chisholm Creek 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 and excess nutrients, namely nitrogen and phosphorus.

# Do you live in the Chisholm Creek Watershed?

## For More Information...

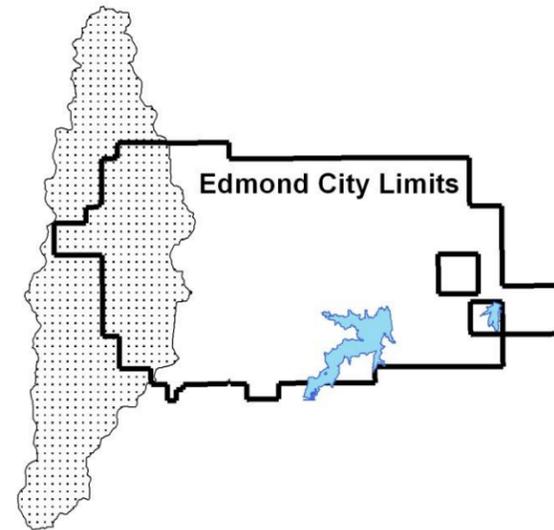
The City of Edmond's Stormwater Quality Division has developed this watershed fact sheet using information from the City's GIS database and the U.S. Environmental Protection Agency's My WATERS Mapper, an interactive mapping program that unites water quality information that was previously available only 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](http://edmondok.com) or contact our office directly at 405.359.4772.



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## Neighborhoods

- |                                   |                                |                                  |
|-----------------------------------|--------------------------------|----------------------------------|
| 1. Apple Village                  | 36. Kimberly Crossing          | 72. The Colony at Williamsburg   |
| 2. Belmont                        | 37. Kingsbury Ridge            | 73. The Oaks                     |
| 3. Bigbees at Sante Fe            | 38. Lakes at Bridgewater       | 74. The Pointe At Oak Tree       |
| 4. Bradford Park                  | 39. Laurel Court               | 75. The Trails                   |
| 5. Bridgewater                    | 40. Legacy at Oak Tree         | 76. The Trails South             |
| 6. Bristol Park                   | 41. Marcheta Heights           | 77. The Villas at Hunter's Creek |
| 7. Buell Hollis                   | 42. Mason Acres                | 78. Thomas Trails                |
| 8. Cedar Pointe                   | 43. Meadow Lakes               | 79. Westborough                  |
| 9. Chateau                        | 44. Mill Creek                 | 80. Whispering Creek             |
| 10. Cheyenne Crossing             | 45. Mill Valley                | 81. Whispering Oaks              |
| 11. Chisholm Lake                 | 46. Newbrook at Covell Village | 82. Winding Creek                |
| 12. Coffee Creek                  | 47. Northridge Park            | 83. Woodhill                     |
| 13. Concorde                      | 48. Northridge Pointe          |                                  |
| 14. Copper Cove                   | 49. Oak Brook                  |                                  |
| 15. Copperfield                   | 50. Oak Tree Park              |                                  |
| 16. Deer Creek Estates            | 51. Orchards at the Trail      |                                  |
| 17. Deerfield                     | 52. Park Lane Estates          |                                  |
| 18. East Oak Place                | 53. Pebble Creek               |                                  |
| 19. Elwood Heights                | 54. Pembroke at Covell Village |                                  |
| 20. Fairfield                     | 55. Quarters at Kelley Pointe  |                                  |
| 21. Fall Brook                    | 56. Ramblewood Hills           |                                  |
| 22. Gardens I at Kelly Lakes      | 57. Reserve at Oak Tree        |                                  |
| 23. Glen Cove at Covell Village   | 58. Ripple Creek               |                                  |
| 24. Golf Club Estates at Oak Tree | 59. Rosewood Manor             |                                  |
| 25. Hawks Landing                 | 60. Rossmore                   |                                  |
| 26. Henderson Hills               | 61. Sante Fe Place             |                                  |
| 27. Hidden Lake at Kelley Pointe  | 62. Sante Fe Trails            |                                  |
| 28. Highlands of Oak Tree         | 63. Saratoga Farms             |                                  |
| 29. Homestead                     | 64. Sorghum Mill Estates       |                                  |
| 30. Hunter's Creek                | 65. Stonebrook                 |                                  |
| 31. Hunter's Pointe               | 66. Summer Oaks                |                                  |
| 32. Ingleside                     | 67. Summit at Oak Tree         |                                  |
| 33. Kanalys North Country         | 68. Sunridge                   |                                  |
| 34. Kelly Lakes Estates           | 69. Sunset Heights             |                                  |
| 35. Ketch Acres                   | 70. Swan Lake                  |                                  |
|                                   | 71. Terrace                    |                                  |



### Edmond Public Schools

- Cross Timbers Elementary
- John Ross Elementary
- Ida Freeman Elementary
- Russell Dougherty Elementary
- Sunset Elementary
- Cheyenne Middle School
- Edmond North High School
- Edmond Sante Fe High School

0 0.5 1 2 Miles

