

Arcadia Lake-Deep Fork

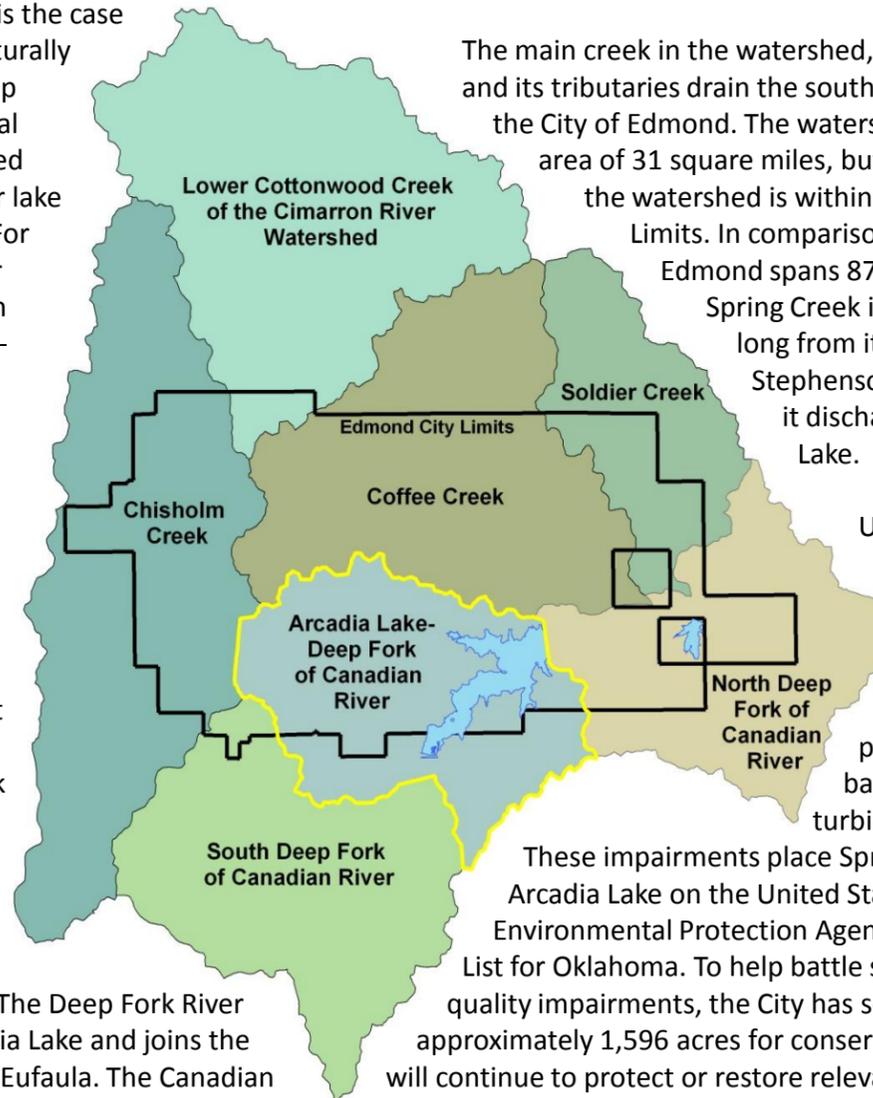
Getting to Know the Arcadia Lake-Deep Fork Watershed

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 Arcadia Lake-Deep Fork Watershed drains to Arcadia Lake. All seven of Edmond's watersheds are part of a 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 Arcadia Lake-Deep Fork Watershed to its eventual destination in the Gulf of Mexico, that rain drop would journey east in Spring Creek to Arcadia Lake. The Deep Fork River flows east out of Arcadia Lake and joins 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 flows south and discharges into the Gulf of Mexico! That's a journey of 1,151 miles!

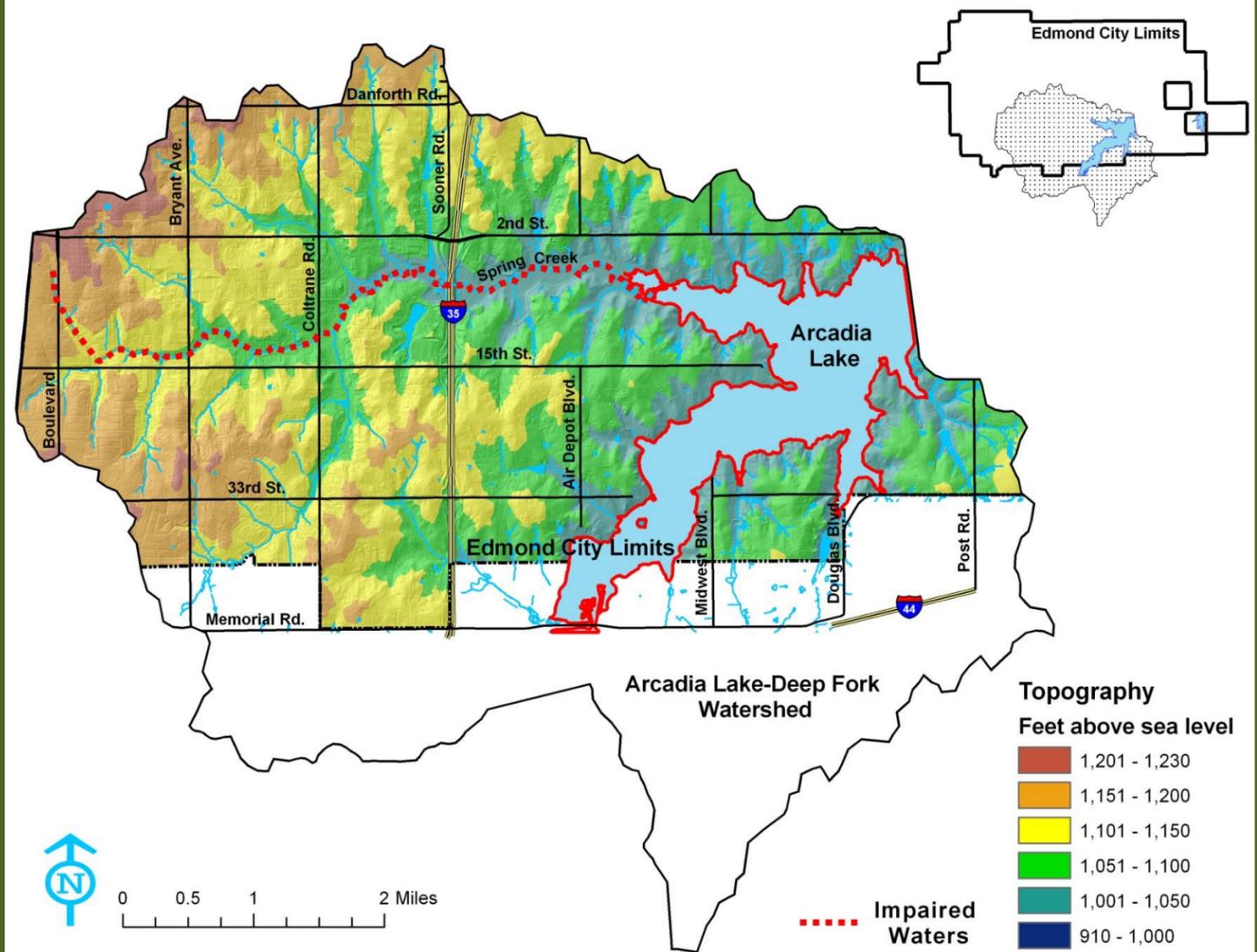
The main creek in the watershed, Spring Creek, and its tributaries drain the south-central part of the City of Edmond. The watershed drains a total area of 31 square miles, but only a portion of the watershed is within Edmond's City Limits. In comparison, the City of Edmond spans 87.5 square miles. Spring Creek itself is 5 miles long from its beginning near Stephenson Park to where it discharges into Arcadia Lake.

Unfortunately, the water quality of Spring Creek and Arcadia Lake is impaired by the presence of bacteria and turbidity, respectively.

These impairments place Spring Creek and Arcadia Lake 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. Spring Creek & Arcadia Lake, denoted in red in the above map, are included in the 2010 303(d) List for Oklahoma. Unfortunately, these water bodies are impaired by bacteria and turbidity, respectively.

Do you live in the Arcadia Lake-Deep Fork Watershed?

For More Information...

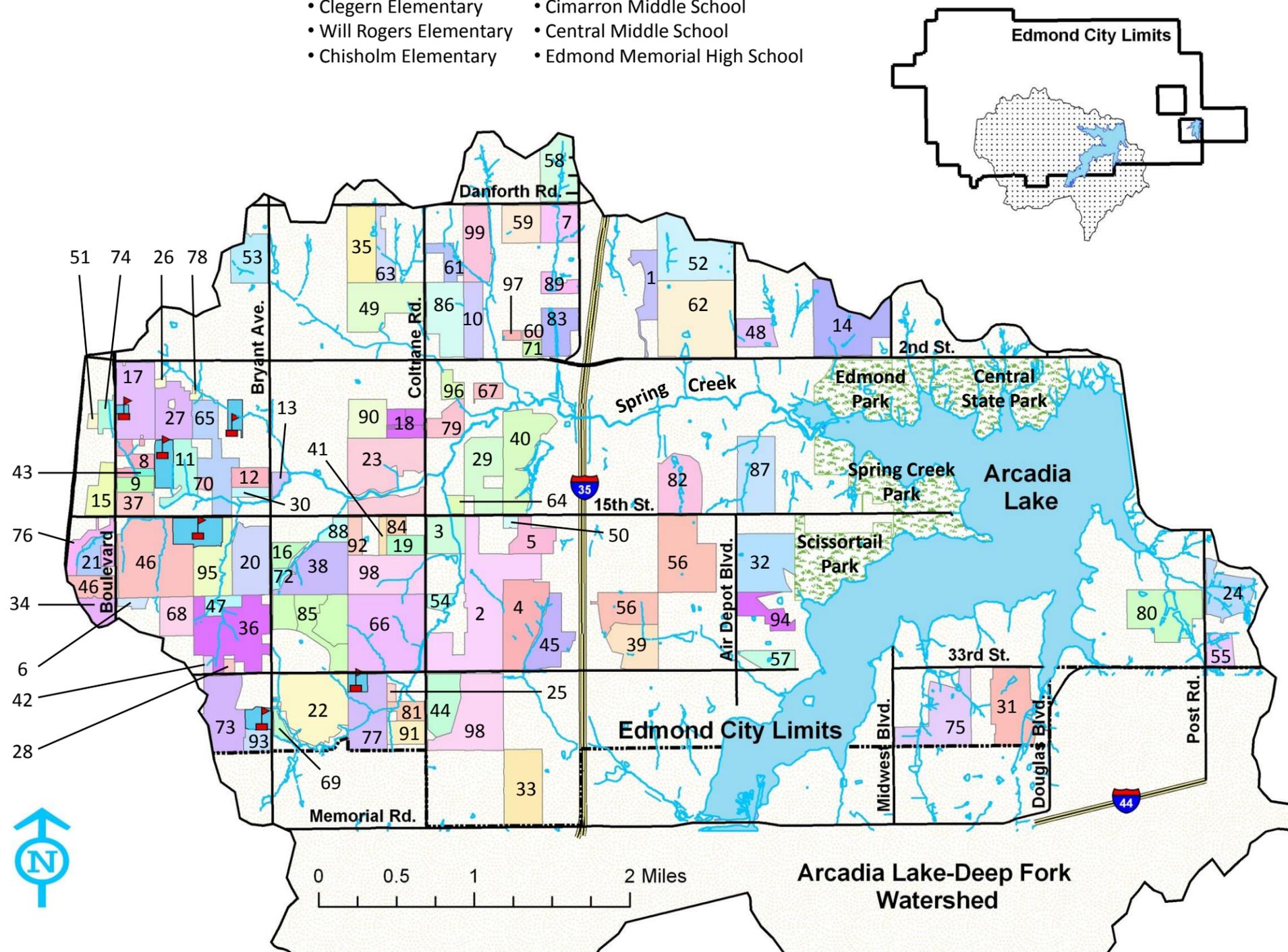
The City of Edmond's Stormwater Quality Division has developed this watershed fact sheet using information from the City's GIS database and the U.S. Environmental Protection Agency's My WATERS Mapper, an interactive mapping program that unites water quality information that was previously available only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



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Edmond Public Schools

- Clegern Elementary
- Will Rogers Elementary
- Chisholm Elementary
- Cimarron Middle School
- Central Middle School
- Edmond Memorial High School



Neighborhoods

- | | | |
|------------------------------|-----------------------------------|---------------------------------|
| 1. Arbor Creek at the Summit | 36. Fisher Hills | 72. Rustic Creek |
| 2. Arrowhead Hills | 37. Fleetwood Terrace | 73. Smiling Hill |
| 3. Arrowhead Lake | 38. Forest Oaks | 74. South Park |
| 4. Arrowhead Trails | 39. Fountain Gate | 75. Southlake |
| 5. Arrowhead Valley | 40. Fox Lake | 76. Southwinds |
| 6. Baker | 41. Garrett | 77. Spring Hill |
| 7. Bavarian Forest | 42. Harris Acres | 78. Woodland |
| 8. Boulevard Heights | 43. Harris Park | 79. Stonepoint |
| 9. Boulevard Place | 44. Harris Tall Oaks | 80. Sweetwater |
| 10. Bradbury Corner | 45. Henderson Estates North | 81. Tall Oaks Crossing |
| 11. Brentwood | 46. Henderson Hills | 82. The Territories |
| 12. Briarwood | 47. Hidden Valley Country Estates | 83. The Village on Clayton Pond |
| 13. Bridges at Spring Creek | 48. Highland Arbors | 84. The Woodlands |
| 14. Bridlewood Farms | 49. Huntwick | 85. Thornbrook |
| 15. Campbells South Edmond | 50. Indian Ridge | 86. Thunderhead Hills |
| 16. Canyon Park | 51. Kale | 87. Timberlake Estates |
| 17. Capitol View | 52. Collegewood Acres | 88. Turtlecreek |
| 18. Borgata | 53. Kingston | 89. Tuscan Park |
| 19. Cedar Oak | 54. Kingwood Estates | 90. Tuscany Villa |
| 20. Cedar Ridge | 55. Lake at Chitwood Farms | 91. Twisted Oaks |
| 21. Chelsea Station | 56. Lake Highlands | 92. Walnut Cove |
| 22. Cheyenne Ridge Villas | 57. Lakewood | 93. Walnut Hill Estates |
| 23. Chimney Hill | 58. Leawood | 94. Whitetail Run |
| 24. Chitwood Farms | 59. Mason Hills | 95. Willow Creek |
| 25. Cinnamon Ridge | 60. Mason Oaks | 96. Willowood |
| 26. Clegern Park | 61. Morning Woods | 97. Windsong |
| 27. Clegern Place | 62. Mountain View Park | 98. Tall Oaks |
| 28. Coffeys | 63. North Creek Estates | 99. Woody Creek |
| 29. Creek Bend | 64. Oak Springs | |
| 30. Devonshire | 65. Oakslawn | |
| 31. Eagles Cove | 66. Old Farm Estates | |
| 32. Edgewater | 67. Rosewood | |
| 33. Edmond Oaks | 68. Parker Estates | |
| 34. Elwood Heights | 69. Persimmon Creek Place | |
| 35. Fairway Estates | 70. Pine Ridge | |
| | 71. Ridge Pointe | |