

# North Central Texas

## Water Quality Project

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### Watershed Protection Plan Development for the Cedar Creek Watershed

TARRANT REGIONAL  
WATER DISTRICT



**North Central Texas**

**Water Quality Project**

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# Background

Darrel Andrews  
Environmental Services Assistant Director  
Tarrant Regional Water District

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### Why We're Here

- Proactive approach to solving water quality issues opposed to regulatory action through a TMDL (Total Maximum Daily Load)
- Trend of increasing Chlorophyll a levels in Cedar Creek Reservoir
- Listing on the 303 (d) Water Quality list for impairments

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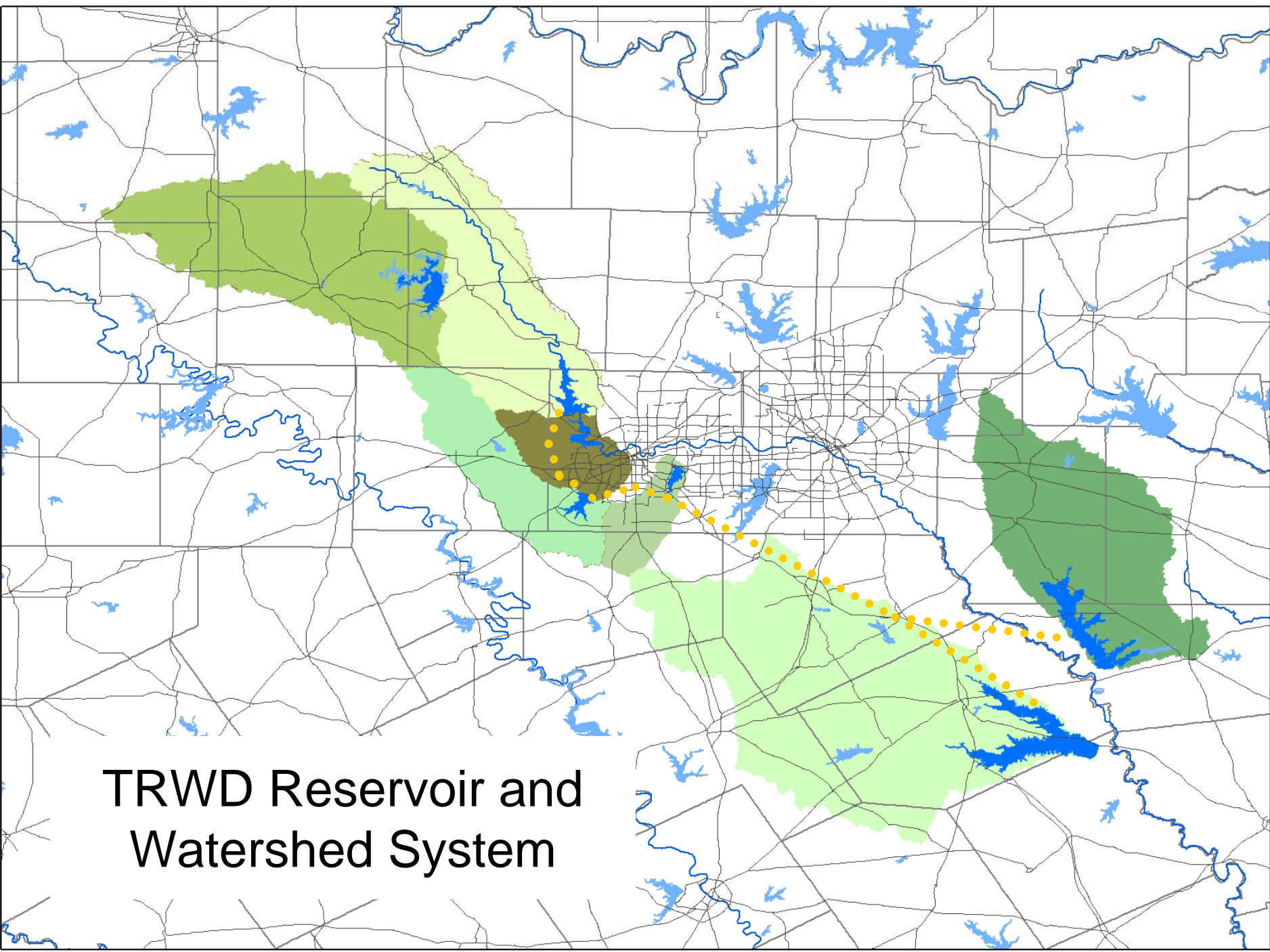
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### Tarrant Regional Water District

- Serves 1.7 million people
  - Eleven counties in and around Fort Worth
- Expected to serve a population of 2.6 million people by 2050
- Contracts with 66 cities
- Manages 5 major reservoirs
  - Cedar Creek, Eagle Mountain, Richland-Chambers, Bridgeport and Benbrook.



**TRWD Reservoir and  
Watershed System**



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### Project Objectives

- Assemble information on sediment and nutrient loads for specific TRWD managed reservoirs and associated streams.
- Identify the sources of non-point and point source loadings that may affect water quality in TRWD reservoirs
- Use computer modeling to analyze the biological, physical, and economic feasibility of alternative management practices and facilities to maintain or improve water quality in the reservoir.
- Conduct public meetings and provide educational programs about water quality protection to stakeholders.
- Develop and Implement a Watershed Protection Plan for Cedar Creek Reservoir and Watershed