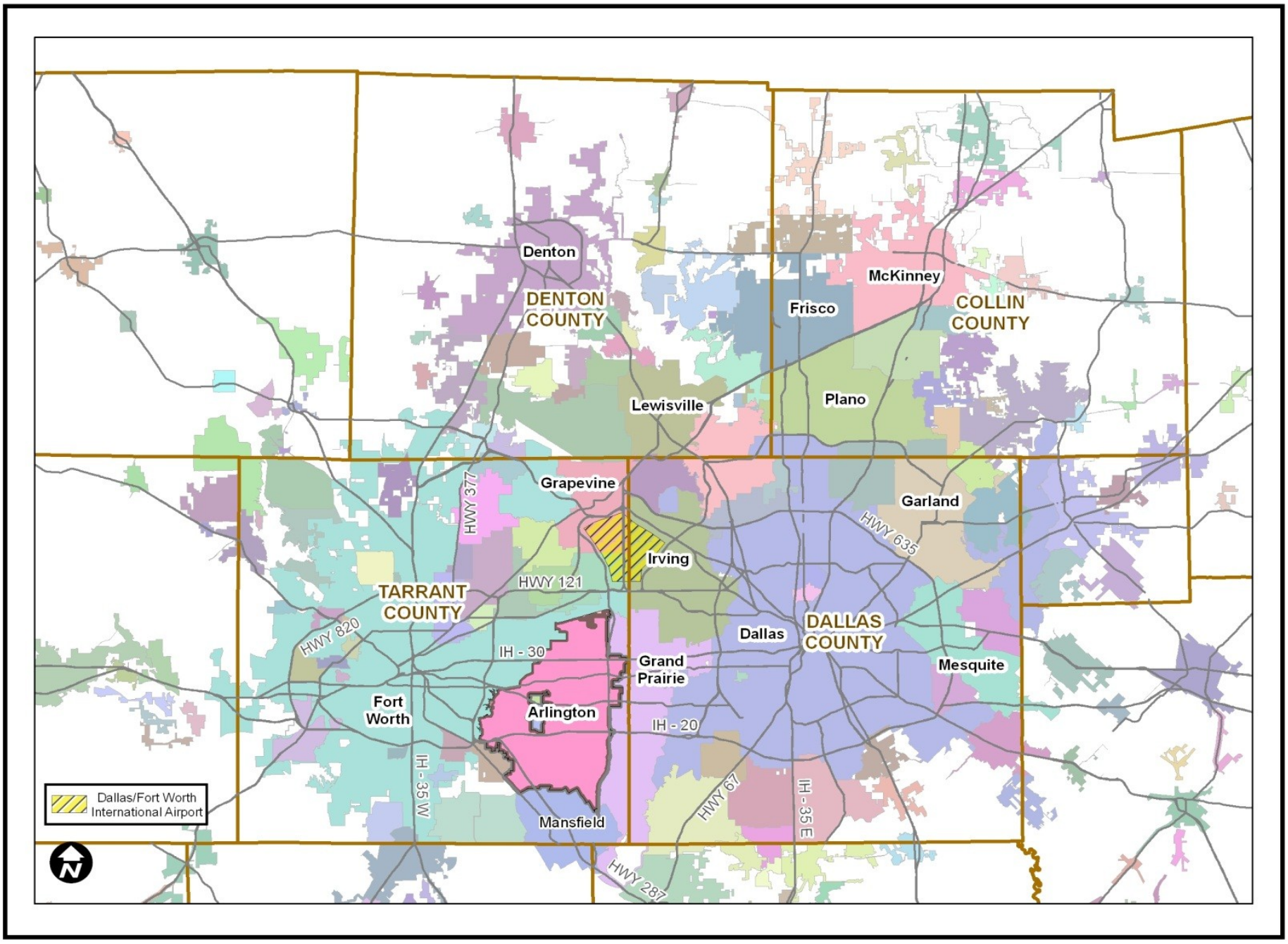
Arlington's Path Towards a Reclaimed Water System

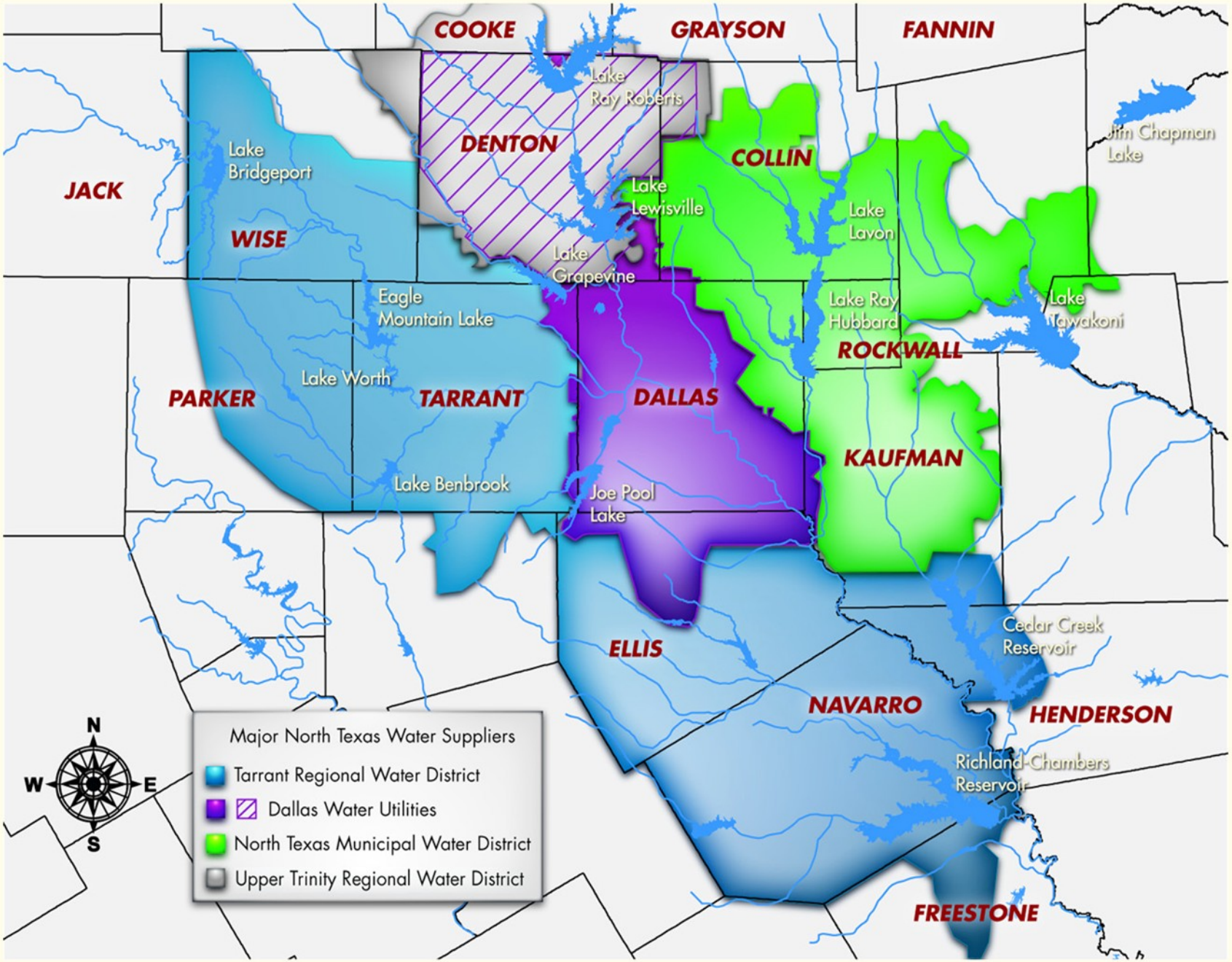
Dustan Compton
Arlington Water Utilities

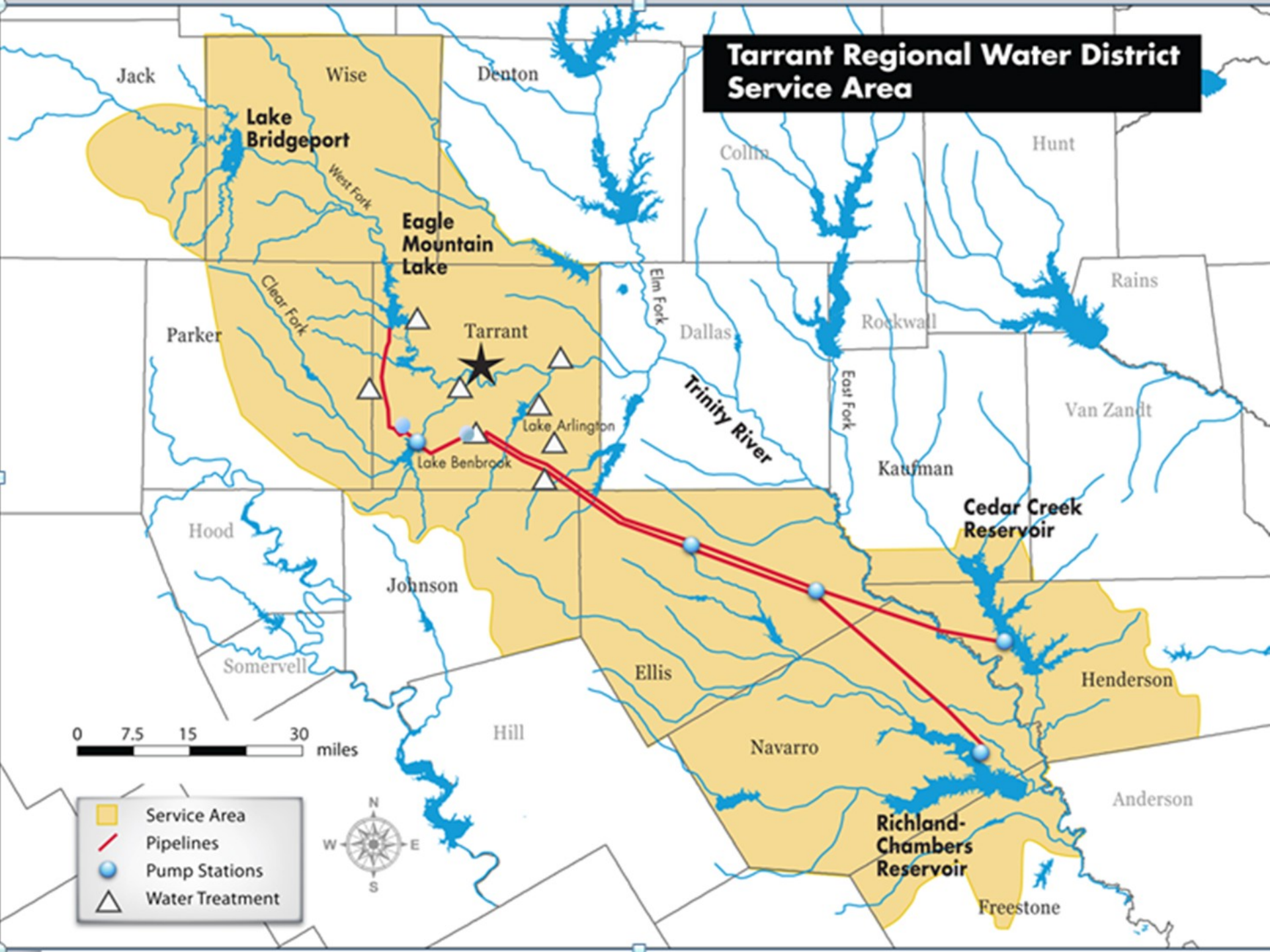
City of Arlington

- **Population:** 368,901
- **Land Area:** 99.5 square miles
- **Visitors to Arlington:** 6.8 million
- **Water Treatment Plants:** 2
  - **Total treatment system capacity:** 1
- **Miles of Distribution Pipe:** 1,531
- **Annual Gallons Billed Consumption: 18 billion**

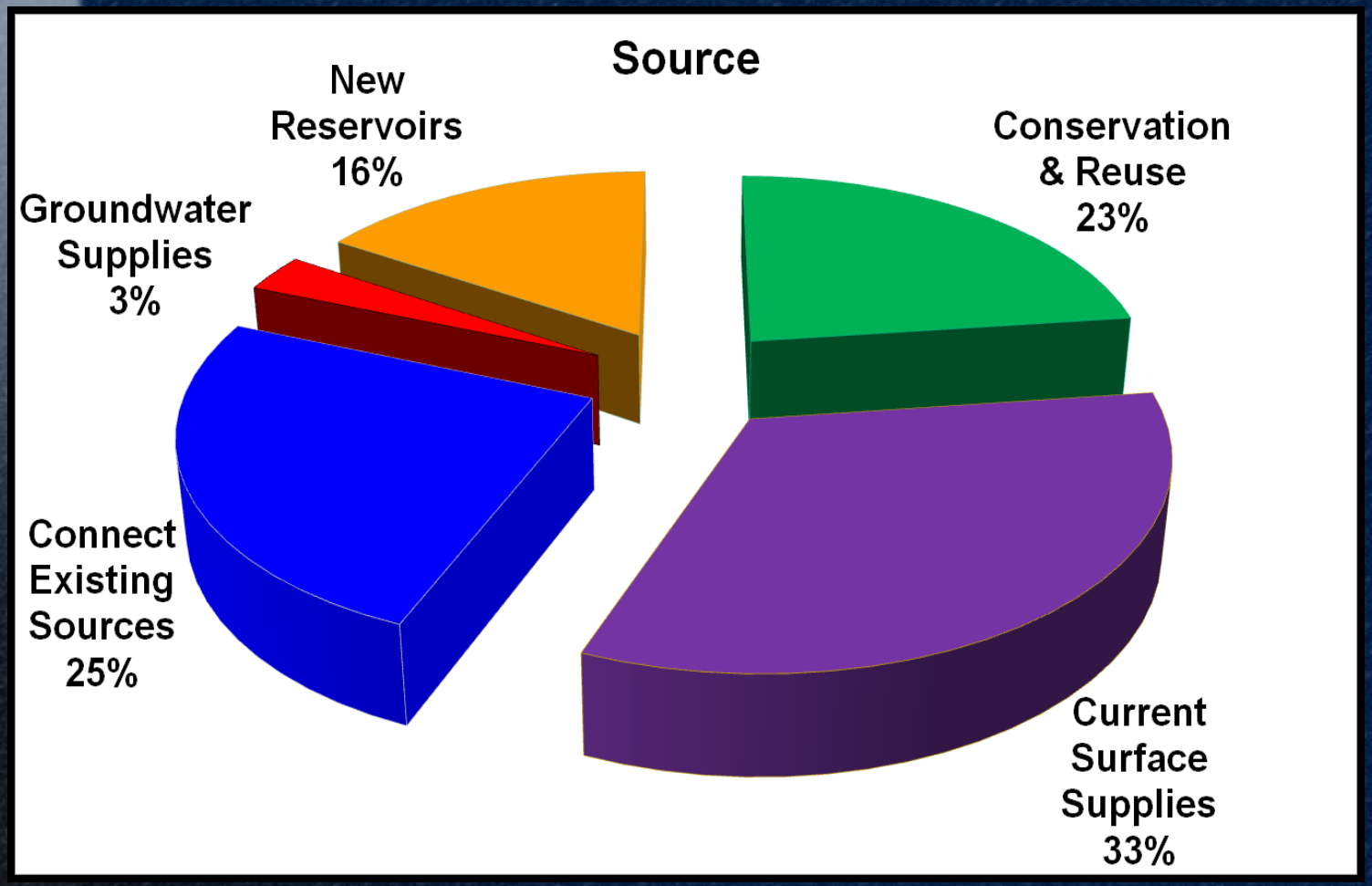
47 Minneapolis, Minnesota
48 Cleveland, Ohio
49 Wichita, Kansas
 # 50 Arlington, Texas
51 New Orleans, Louisiana
52 Bakersfield, California
53 Tampa, Florida


Denton
DENTON COUNTY
McKinney
Frisco
COLLIN COUNTY
Lewisville
Plano
Grapevine
HWY 377
Garland
HWY 635
Irving
HWY 121
TARRANT COUNTY
HWY 820
IH - 30
Dallas
DALLAS COUNTY
Grand Prairie
Mesquite
Fort Worth
Arlington
IH - 20
IH - 35W
HWY 67
IH - 35E
Mansfield
HWY 287
Dallas/Fort Worth International Airport


COOKE
GRAYSON
FANNIN
Lake Ray Roberts
DENTON
COLLIN
Jim Chapman Lake
Lake Bridgeport
JACK
Lake Lewisville
Lake Lavon
WISE
Lake Grapevine
Eagle Mountain Lake
Lake Ray Hubbard
Lake Tawakoni
ROCKWALL
Lake Worth
PARKER
TARRANT
DALLAS
KAUFMAN
Lake Benbrook
Joe Pool Lake
Cedar Creek Reservoir
ELLIS
NAVARRO
HENDERSON
Richland-Chambers Reservoir
FREESTONE
N
W
E
S
Major North Texas Water Suppliers
Tarrant Regional Water District
Dallas Water Utilities
North Texas Municipal Water District
Upper Trinity Regional Water District

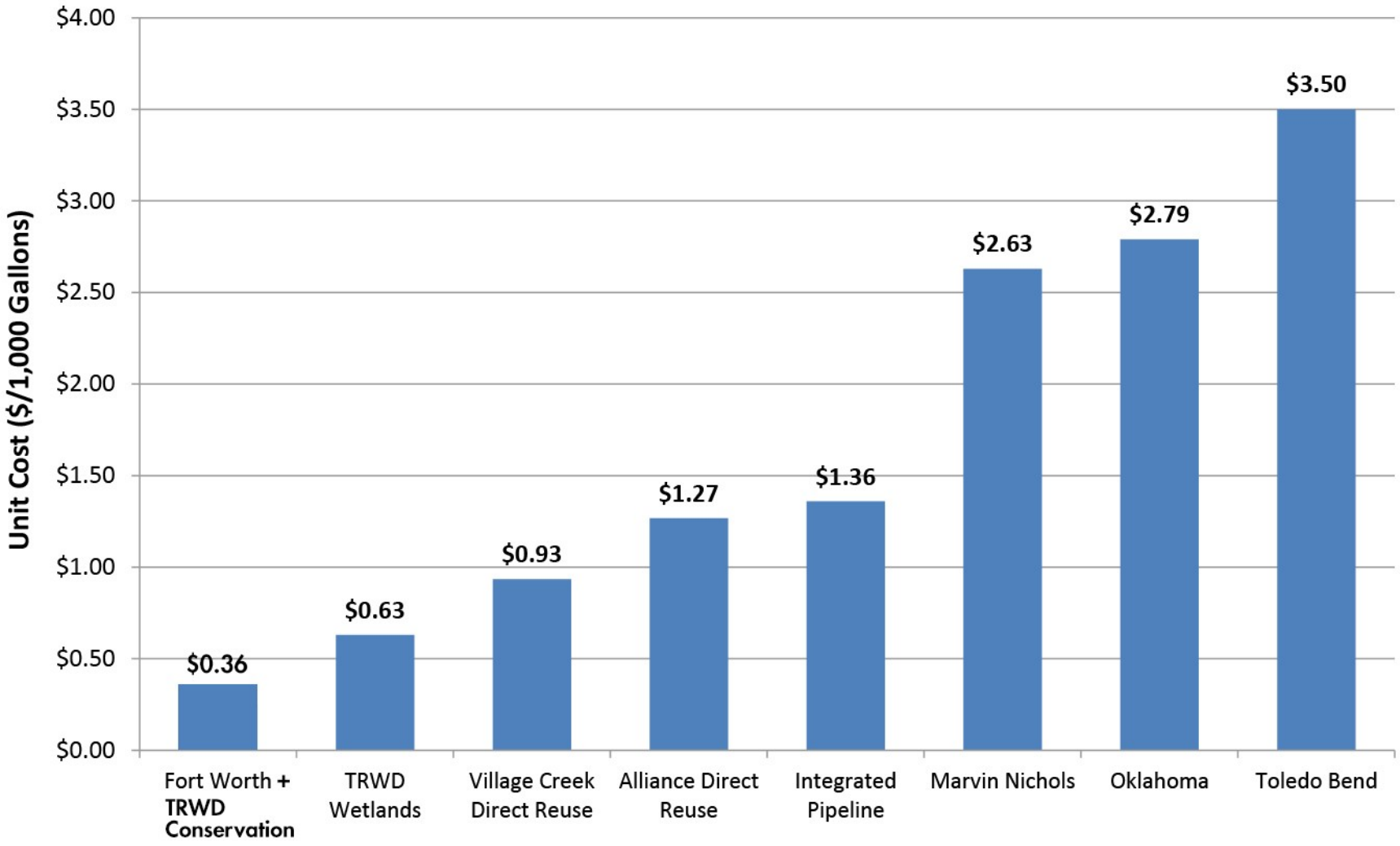

Tarrant Regional Water District
Service Area
Jack
Wise
Denton
Collin
Hunt
Lake
Bridgeport
West Fork
Eagle
Mountain
Lake
Clear Fork
Parker
Tarrant
Elm Fork
Dallas
Rockwall
Rains
Trinity River
East Fork
Van Zandt
Lake Arlington
Lake Benbrook
Kaufman
Cedar Creek
Reservoir
Hood
Johnson
Somervell
Ellis
Henderson
Hill
Navarro
Anderson
Richland-
Chambers
Reservoir
Freestone
0 7.5 15 30
miles
N
W
E
S
Service Area
Pipelines
Pump Stations
Water Treatment

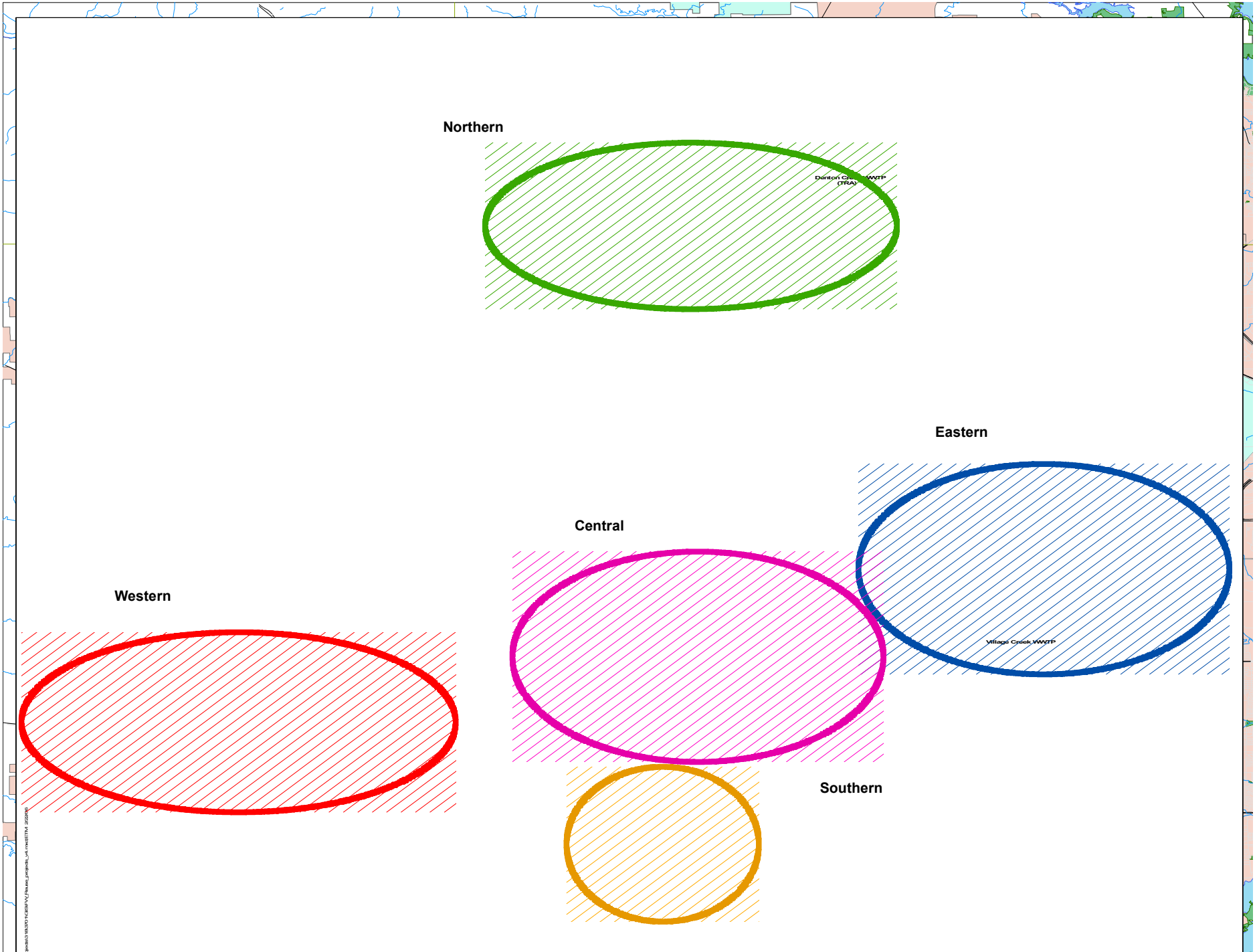
Region C Water Supply 2060



Cost of Future Supply Alternatives

Save water. Nothing can replace it.

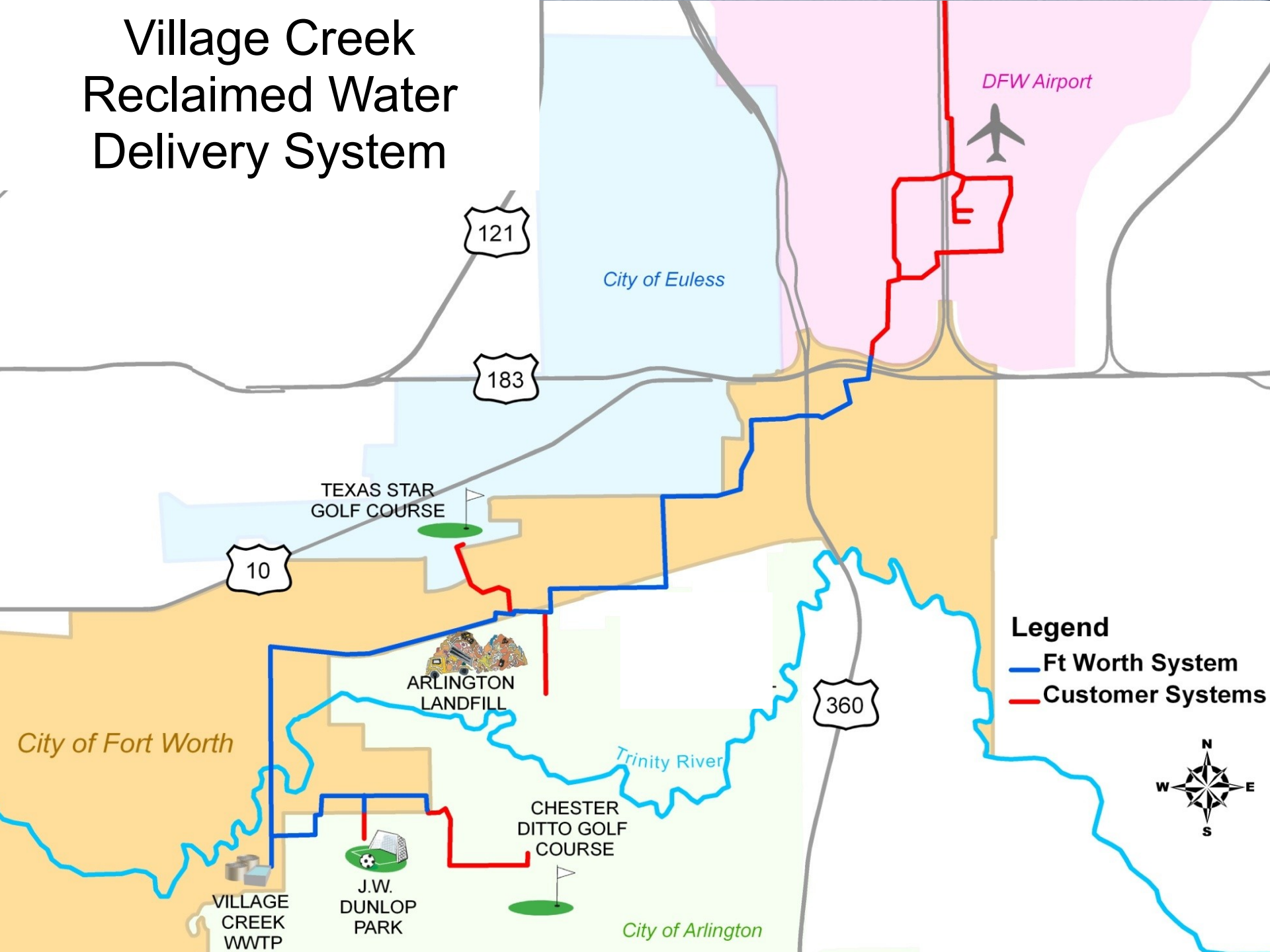



Northern
Denton Creek WWTP (TRA)
Eastern
Central
Village Creek WWTP
Western
Southern

Village Creek Reclaimed Water Delivery System

Project designed & managed by Alan Plummer Associates, Inc.

Village Creek Reclaimed Water Delivery System



Reclaimed Water Timeline

Fort Worth Design Approved
October 2008

Arlington Design
January 2009

EID Public Hearing
July 2009

Easement Acquisition
October 2009

Update Codes
and Ordinances
March 2010

Construction
May 2010

Public Information Planning
June 2010

Retail User
Contracts

Operation
May 2011

Public Outreach

- Regional public awareness
- Helped by public meetings & resident comments
- Logo
- FAQs
- Brochure
- Poster
- Websites
- Signs
- Public presentation

Public Process

- Asked the experts
- Water department training
  - Other city departments
- Public presentations
  - Construction industry
  - City Council
  - Neighborhood associations
  - Parks Board
  - Kiwanis Club & Rotary Club
  - Conservation events

Citizen Participation

- Public involvement
- Public responsibility
- Know your audience
- Address concerns upfront
- Give feedback

Arlington's Path Towards a Reclaimed Water System

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