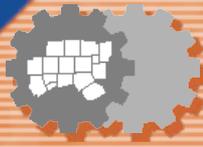


# State of the Region

# Topics

- **Welcome and meeting incidentals**
- **GIS at NCTCOG**
- **Update on Regional Cooperative Projects**
- **Landuse, Features & Subdivisions**
- **Regional Data Center (RDC)**
- **Research & Information Services Network (RISN)**
- **Q&A**





# GIS at NCTCOG

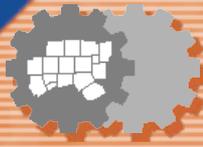
# Departments with GIS

- **Community Services**
- **Emergency Preparedness**
- **Environment & Development**
- **Research & Information Services**
- **Transportation**
- **Workforce Development**



- **External GIS Coordination**
  - **Coordinate Regional GIS Meetings**
  - **Manage regional data projects**
  - **Make data available to the region**
- **Internal Mapping & Updates**
  - **Update existing regional layers**
  - **Create new regional layers**
  - **Use GIS data in research-related projects**
- **GIS Programming (support both internal & external processes)**
  - **Manage GIS databases and servers**
  - **Create applications**
  - **Other super techie stuff!**

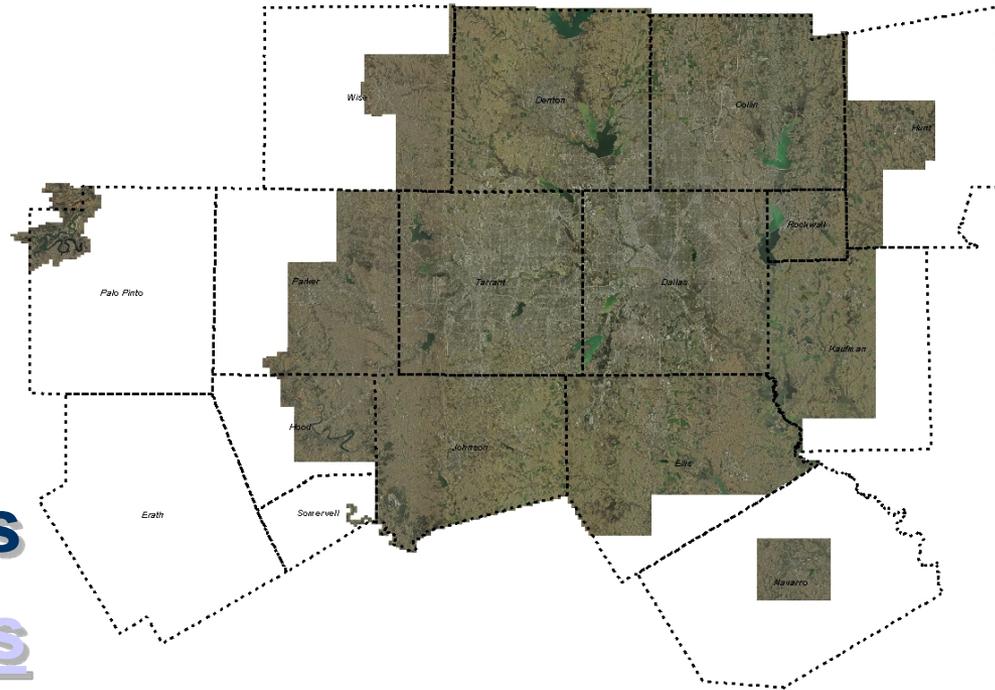




# Cooperative Data Projects

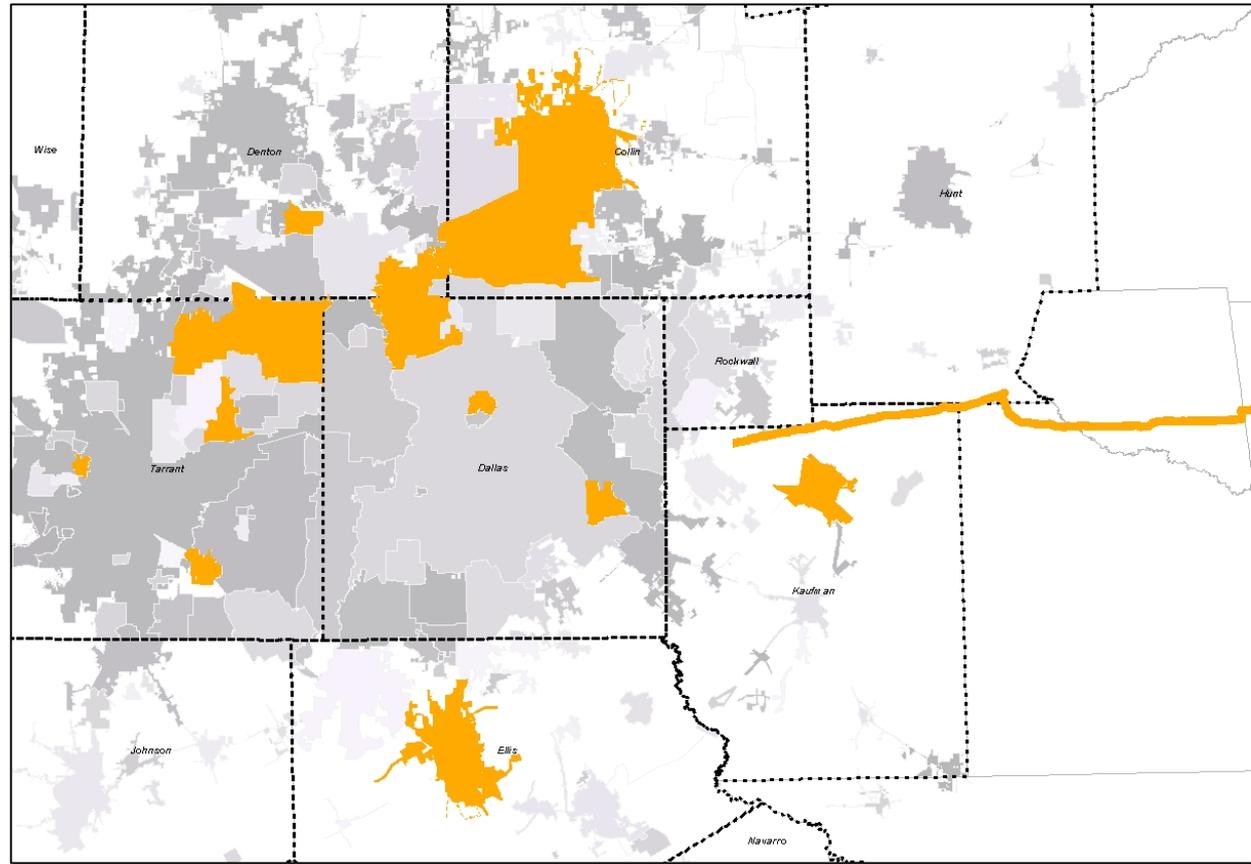
# 2015 Aerial Photography

- 4-band
- Leaf-off
- 6" with some 3"
- WMS, Tiff & MrSID formats
- [www.dfwmaps.com](http://www.dfwmaps.com)

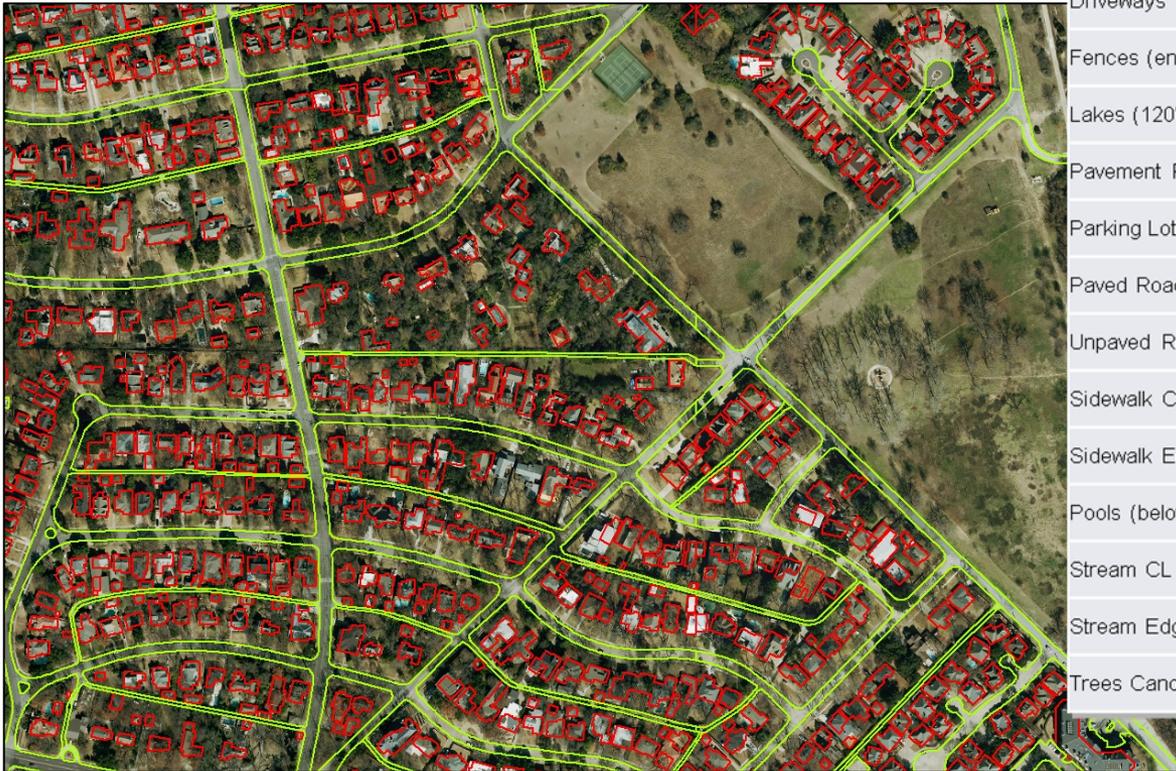




# 2016 Aerial Photography



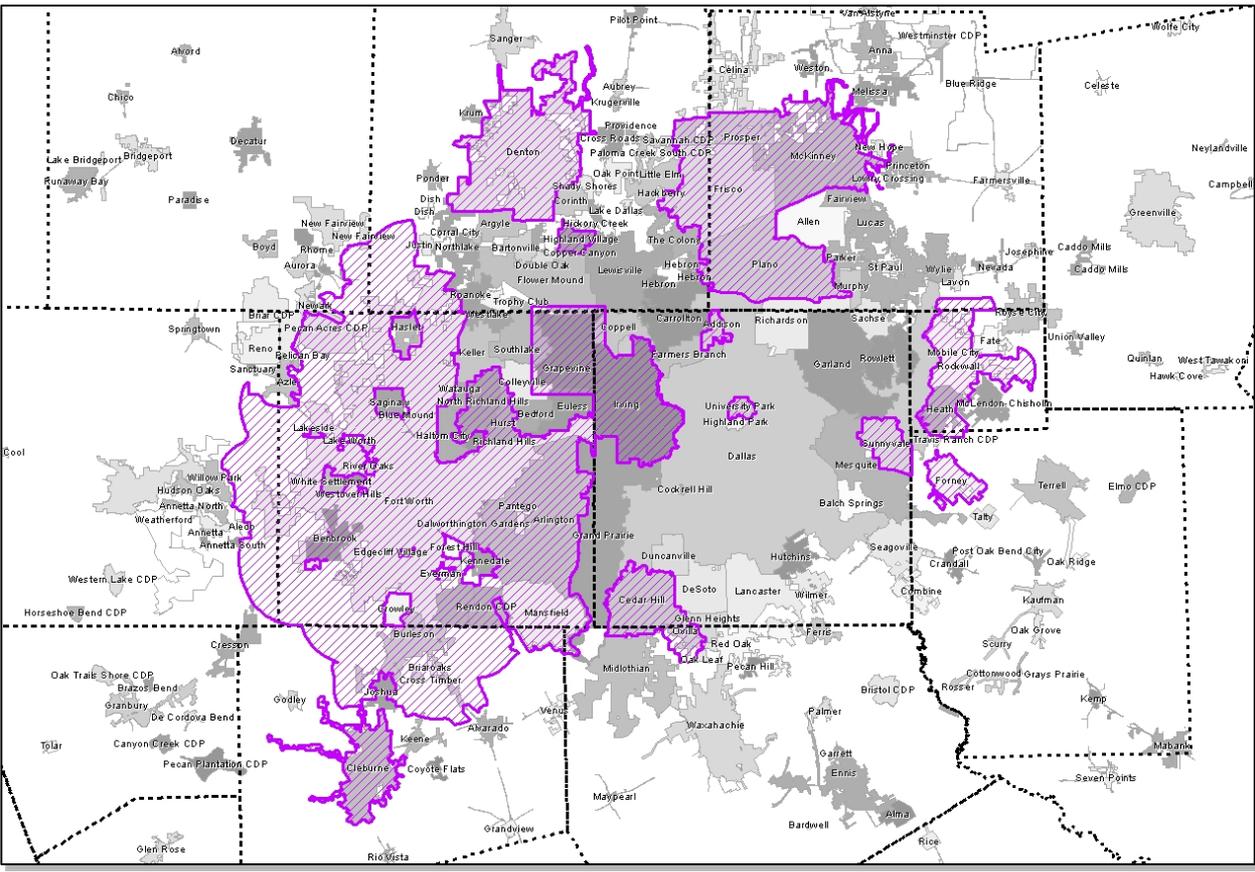
# 2015 & 2016 Planimetrics



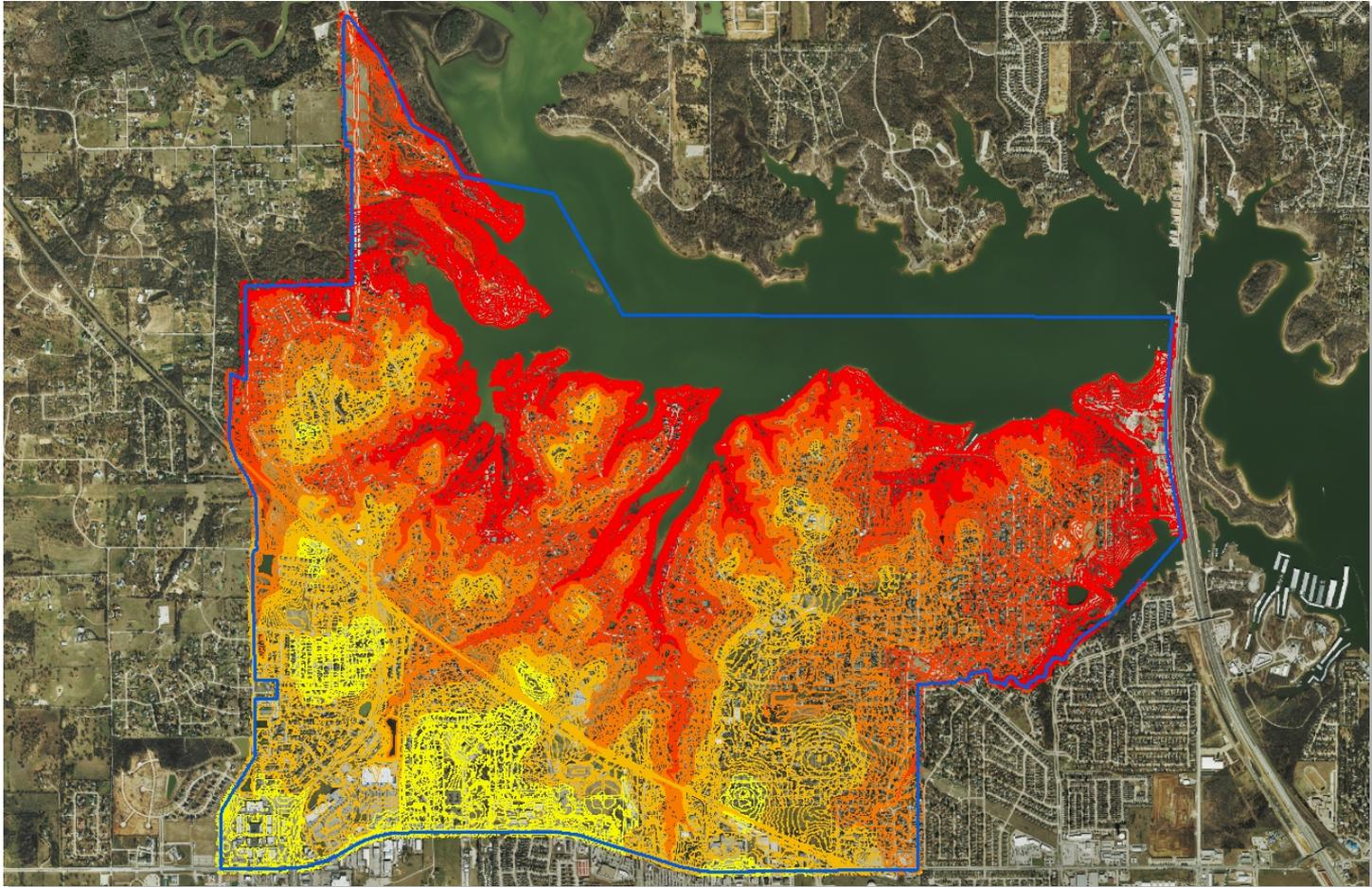
- Bridges
- Buildings (100 sq. ft minimum)
- Driveways
- Fences (enclosing or dividing land/property)
- Lakes (120' perimeter or greater)
- Pavement Pads (10'x10')
- Parking Lots (5 cars or more)
- Paved Road Edges
- Unpaved Road Edges
- Sidewalk Centerline (public, maintained)
- Sidewalk Edges (public, maintained)
- Pools (below ground/permanent)
- Stream CL (10' or greater in length)
- Stream Edges (10' or greater in width)
- Trees Canopy (groups 100' in diameter)

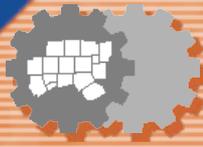


# 2015 LiDAR Coverage



# 2' Contours





# 2015 Land Use

# **2015 Land Use – Primary Data Sources**

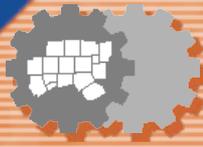
- **Parcel data supplied by local appraisal districts**
- **Land use data supplied by local cities**
- **Orthophotos acquired through NCTCOG's Digital Aerial Photography Cooperative Program**
- **Hydrography data from the U.S. Geological Survey**
- **Roads data supplied by 9-1-1 Department and local entities**
- **Parks layer maintained by RIS**
- **Features data, such as cemeteries, that are included in NCTCOG's Features layer**
- **Development data, such as apartments, that are captured by NCTCOG's Development Monitoring Program**



# 2015 Land Use - Summary

- **Cover all 16 counties**
- **Cover > 8 million acres**
- **34 Categories**
- **Methodology comparable to that used in development of the 2010 inventory and similar to that used in development to the 2005 layer**
- **Available through the RDC and DFWmaps**
  - **Interactive query and downloadable data for cities and counties**
  - **GIS layer in shapefile format**
  - **Generalized layer on [DFWmaps.com](http://DFWmaps.com)**





# Features

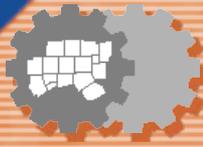
# Coming Soon to Features: Alternative Fueling Stations

The screenshot displays the NCTCOG DFW maps website. At the top, the NCTCOG logo and navigation menu are visible. The search bar contains the address "616 Six Flags Drive, Arlington, TX 76011". The map shows various development markers, including commercial buildings, industrial sites, and retail locations. The filter sidebar on the left is expanded to show the "Commercial" category, which includes options for Industrial, Construction, Distribution, Flex, Manufacturing, and Warehouse. Other categories like Office, Retail, and Development Groups are also visible.

# Coming Soon to Features: Alternative Fueling Stations

- **Source is US Department of Energy**
- **Will be updated each year**
- **Will include station types:**
  - **Biodiesel**
  - **CNG**
  - **Electric**
  - **Ethanol**
  - **Hydrogen**
  - **LNG**
  - **Propane**
- **Available through the RDC**





# Subdivisions

# Coming Soon: Subdivisions Layer

The image displays an aerial map with several subdivisions outlined in yellow. The subdivisions are labeled as follows:

- Timber Creek Addn No. 2
- Oak Park Addn Ph I
- Lexington Glen
- Timber Creek Addn No. 3
- Oak Park Addn Ph II
- Timber Creek Addn No. 1
- Flower Mound Oaks

An 'Identify' window is open on the right side of the map, showing the following information:

Identify from: Subdivisions\_2015

Location: 2,410,733.605 7,063,617.01

Field	Value
YEAR_BUILT	1978
LOTS	320
STATUS	<null>
SOURCE	City
COUNTY	Denton
CITY	Flower Mound
TYPE	RES
SUB_NAME	Timber Creek Dev 10b

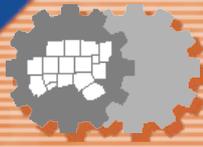
Identified 1 feature



# Coming Soon: Subdivisions Layer

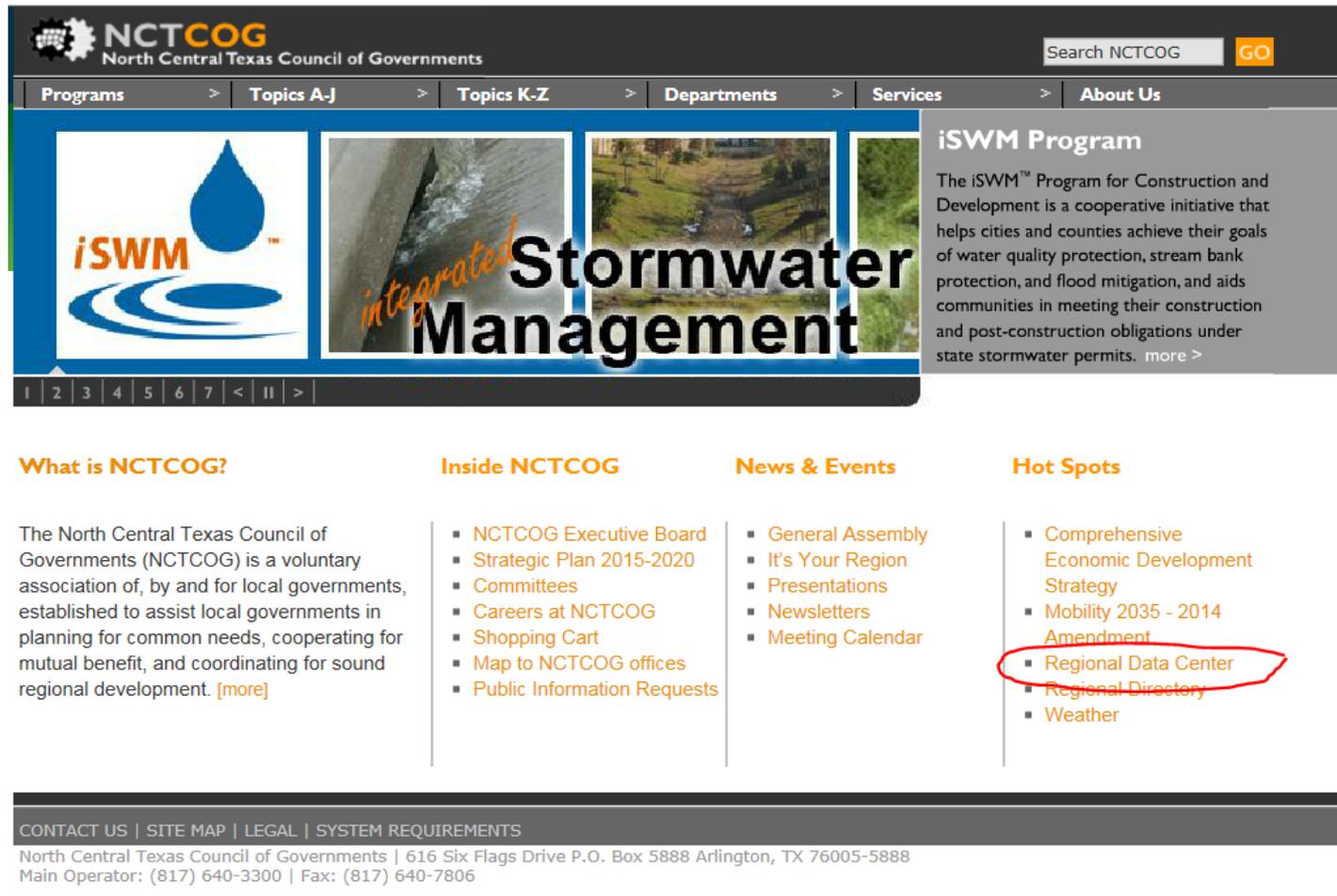
- **Approximate boundaries for residential subdivisions**
- **Source is local appraisal districts and cities**
- **Will be updated each year**
- **Attributes include:**
  - **Name**
  - **Number of lots**
  - **Year**
- **Available through the RDC**





# Regional Data Center (RDC)

# RDC



**NCTCOG**  
North Central Texas Council of Governments

Search NCTCOG **GO**

Programs > Topics A-J > Topics K-Z > Departments > Services > About Us

## iSWM Program

The iSWM™ Program for Construction and Development is a cooperative initiative that helps cities and counties achieve their goals of water quality protection, stream bank protection, and flood mitigation, and aids communities in meeting their construction and post-construction obligations under state stormwater permits. [more >](#)

### What is NCTCOG?

The North Central Texas Council of Governments (NCTCOG) is a voluntary association of, by and for local governments, established to assist local governments in planning for common needs, cooperating for mutual benefit, and coordinating for sound regional development. [\[more\]](#)

### Inside NCTCOG

- NCTCOG Executive Board
- Strategic Plan 2015-2020
- Committees
- Careers at NCTCOG
- Shopping Cart
- Map to NCTCOG offices
- Public Information Requests

### News & Events

- General Assembly
- It's Your Region
- Presentations
- Newsletters
- Meeting Calendar

### Hot Spots

- Comprehensive Economic Development Strategy
- Mobility 2035 - 2014 Amendment
- **Regional Data Center**
- Regional Directory
- Weather

CONTACT US | SITE MAP | LEGAL | SYSTEM REQUIREMENTS

North Central Texas Council of Governments | 616 Six Flags Drive P.O. Box 5888 Arlington, TX 76005-5888  
Main Operator: (817) 640-3300 | Fax: (817) 640-7806

# RDC – rdc.nctcog.org

**Regional Data Center**  
North Central Texas

Home    FAQ    Contact Us    About Us

**Barnett Shale**

**News and Events:**  
Welcome to the Regional Data Center Web Page!

The NCTCOG Regional Data Center includes demographic data, land use information, development data, population and employment estimates, GIS layers, and technical assistance. For more information, visit our [Regional Data Center Information Page](#).

**Data Center Login**  
Username:   
Password:

[Forgot Password?](#)  
[Not Registered? Register Here](#)

**Keep in Touch**  
f t e

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© Copyright North Central Texas Council of Governments. Data, products, and services contained herein....  
[Read more](#)

**Agency Links**  
[NCTCOG Homepage](#)  
[Workforce Development](#)  
[Transportation](#)  
[Emergency Preparedness](#)



# RDC – [rdc.nctcog.org](http://rdc.nctcog.org)

- **Portal for access to RIS GIS and other data**
- **No charge, but an account is required**
- **Logging in:**
  - **Username – email address**
  - **Password – determined by user (COG staff cannot see these)**
- **Data available includes:**
  - **U.S. Census data**
  - **Demographic and Employment data developed by COG**
  - **Development data tracked by COG**
  - **GIS data layers**



# RDC – GIS Layers

- **Boundaries**
  - City Limits
  - Counties
  - MPA
  - NCTCOG Region
  - Nonattainment Areas
  - School Districts
  - Texas Congressional Districts
  - Texas COGs
  - Texas House Districts
- Texas State District
- **Census**
  - 2000 Tracts, Block Groups, and Blocks
  - 2000 Urban Clusters
  - 2000 Urban Areas
  - 2010 Tracts, Block Groups, and Blocks
  - 2010 Places
  - 2010 Urban Areas
- **Forecast**
  - Districts
  - Traffic Survey Zones
- **Environmental**
  - Ozone Monitors
  - Parks
  - Soils
  - Vegetation



# RDC – GIS Layers

- **Hydrology**

- Ares
- Flowline
- Line
- Point
- Subbasin
- Waterbody
- Hydrologic Units
- Lakes

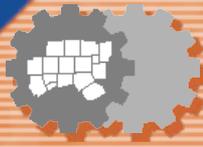
- **Land Use**

- 1995
- 2000
- 2005
- 2010
- 1990

- **Transportation**

- Airports
- Highways
- Passenger Rail Stations
- Rail Lines
- Road

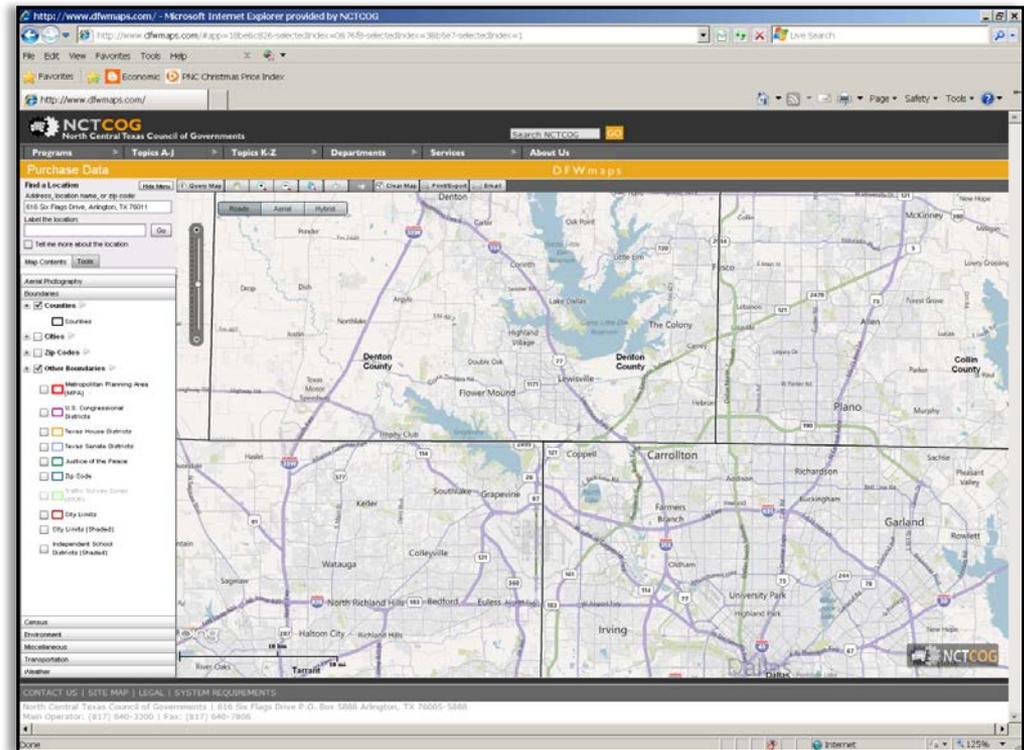




# Research and Information Services Network (RISN)

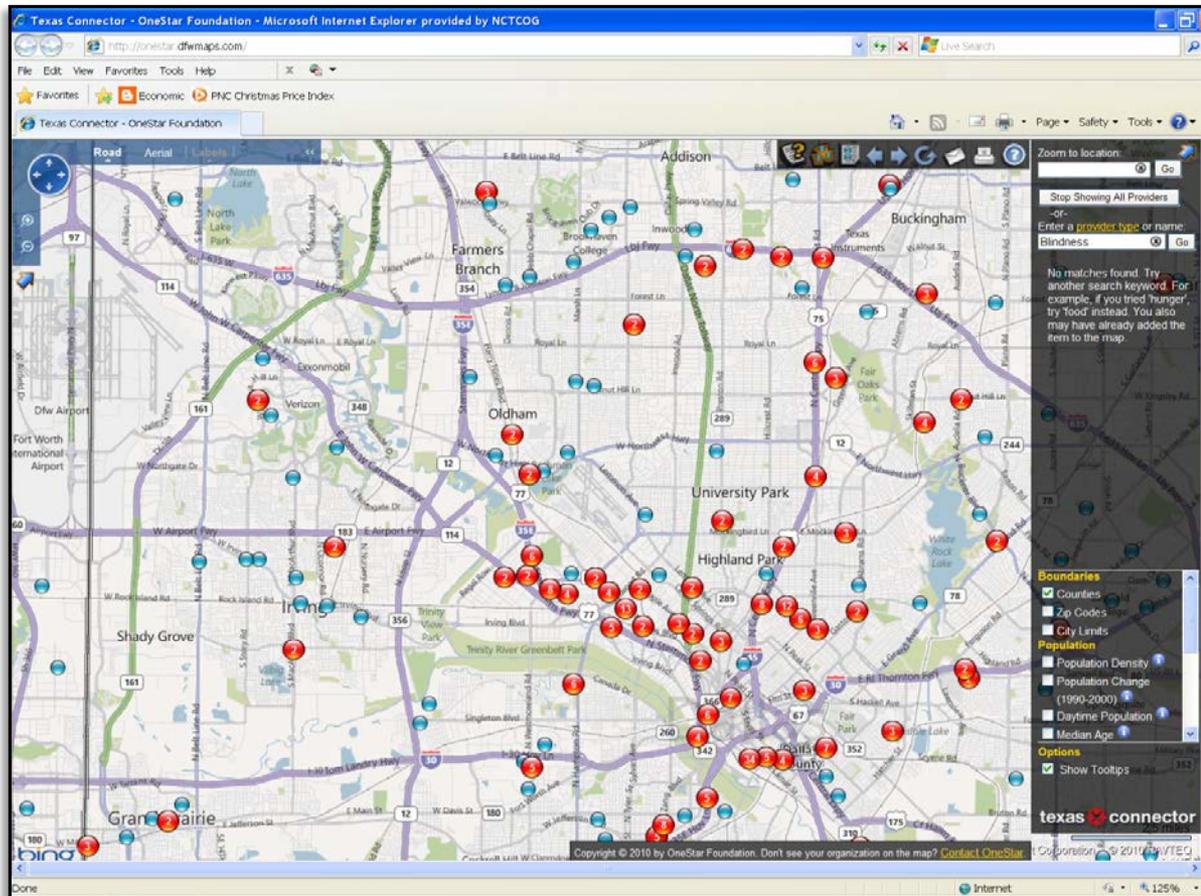
# RISN

- **Standard Framework**
  - Bing Maps Platform
  - Interactive
  - Road/aerial Views
- **Can Include**
  - COG Data
  - Proprietary Data
  - Static maps/queries
  - Dynamic Reporting
  - Custom Development





# RISN



- **RISN Data Layers**
  - Demographic data
  - Major developments
  - Weather information
  - Land use
  - Parcels
  - Traffic counts
  - Employment data
  - Planimetrics
- **Proprietary Data Layers**
  - Trash days
  - Crime data
  - Homeowners associations

**Questions?**



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**GIS Project Coordinator**

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**Research Manager**

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