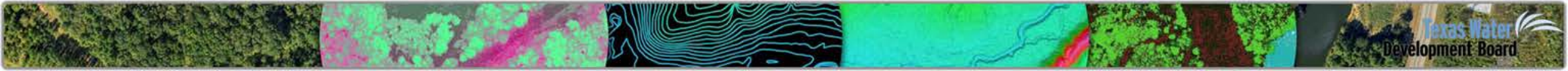# Statewide GIS Initiatives

May 15, 2018

Presented by
Ilyanna Kadich and Felicia Retiz

NCTCOG Regional GIS Meeting

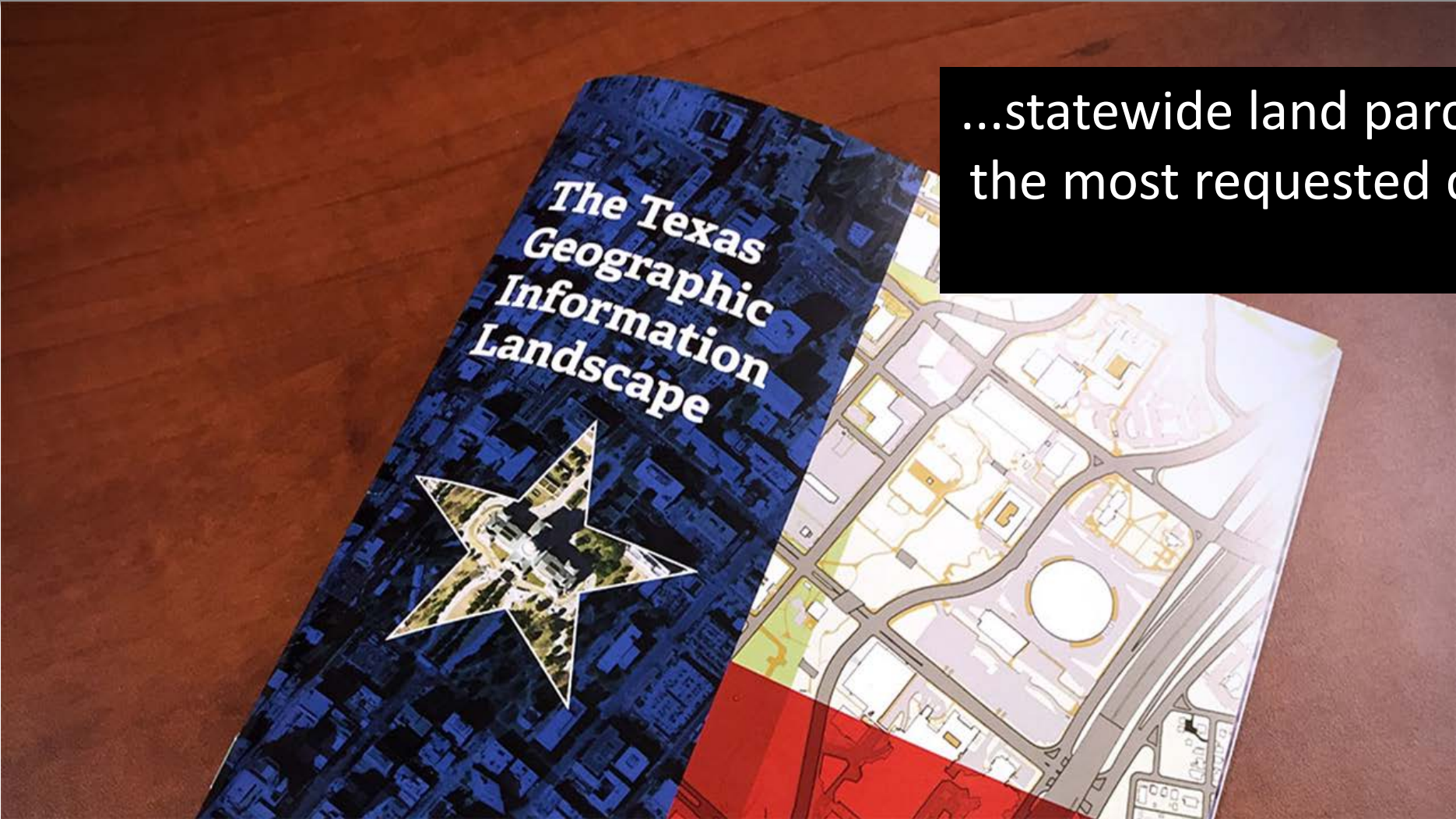- Maintain authoritative, trusted **state geospatial layers** based on national standards.
  - ✓ Acquire new geospatial data
  - ✓ Update existing geospatial data

- Define a common mapping standard to ensure consistent, high quality data for the State of Texas and the public.

- Attract partnerships to increase the purchasing power of public funds.
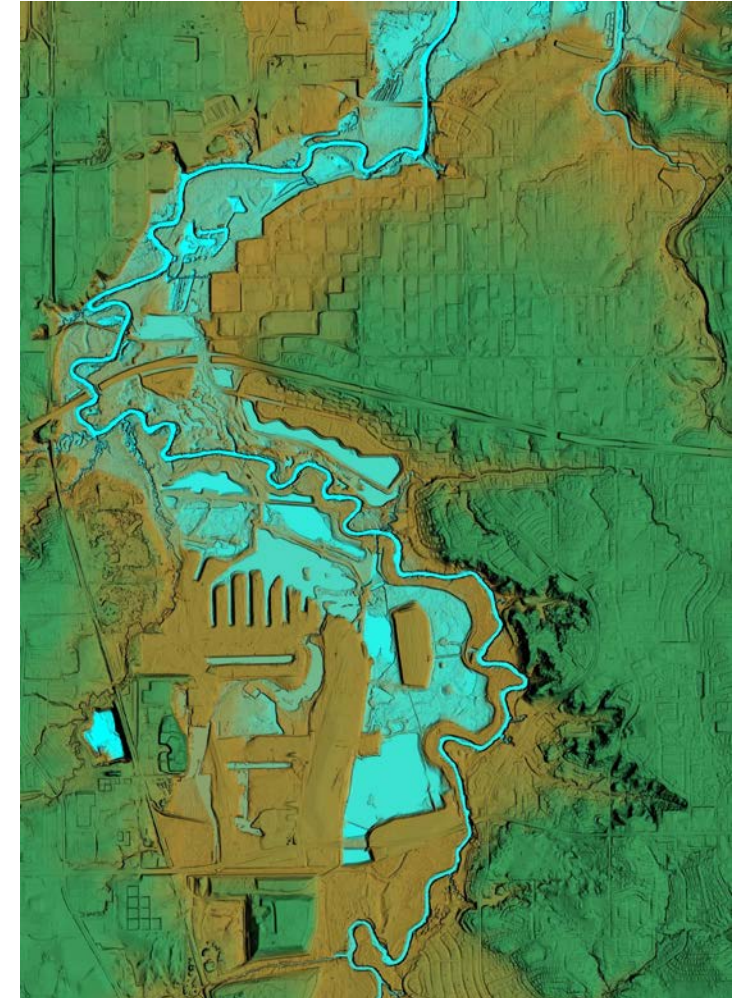
...statewide land parcel data is the most requested dataset...

- ❑ Conduct outreach to local tax appraisal districts in the form of workshops on the benefits of a statewide parcel dataset.

- ❑ Develop incentive and quid pro quo plans for local participation. i.e., state-funded Google Imagery for local parcels.

- ❑ Consider legislative designation of a lead office for the statewide parcel program.

- ❑ Conduct a pilot to better explore data integration and maintenance issues.

- ❑ Compare efficiencies of government-derived parcels to commercial datasets.

Texas General Land Office

Texas Water Development Board

Texas Division of Emergency Management

Texas Parks & Wildlife Department

Commission on State Emergency Communications

Texas Comptroller of Public Accounts

Texas Historical Commission

Texas Department of Housing & Community Affairs

Texas Department of State Health Services

Texas Department of Motor Vehicles

Texas Department of Insurance

State Demographer's Office

Texas Department of Transportation

Texas Education Agency

UTSA Center for Urban and Regional Planning Research

Texas Forest Service

Answer Choices	Responses	
Parcel ID (Unique identifier)	**82.00%**	41
Owner Type (Taxable/exempt - tribal, federal, state, county, local, private, etc.)	**76.00%**	38
Parcel Street Address (Site address)	**84.00%**	42
Parcel Area (Area in acres)	**66.00%**	33
Public Parcel Name (If publicly owned)	**64.00%**	32
Total Respondents: 50		

TNRIS
STRATMAP

Preparedness and Disaster Recovery
- Communications and Evacuation Planning
- Aid First Responders
- Reduce Recovery TImes

Business and Residents
- Site Suitability for businesses of alternative energy facilities
- Financial Indicators and Early Warnings

EMERGENCY RESPONSE

ECONOMIC DEVELOPMENT

TRANSPORTATION

GOVERNMENT OPERATIONS

Inventory and Management
- Streamlined Purchasing
- Inventory of Unused Lands
- Innovative Land Use
- Project Planning

Local, Regional and State
- Reduced Duplication of Efforts
- Consistent Data and Quality
- Cost Savings
- Freeing of Resources

Texas Water Development Board

Statewide address point dataset

"To achieve interoperability as it pertains to GIS and maps, protocols and standards must be established and utilized across all 9-1-1 entities in the state. Much progress could be achieved by simply standardizing the way address components (such as address number, address number suffix, pre-directional, street name, and post-directional) are recorded across 9-1-1 entities."

~ The Texas Geographic Information Landscape Geographic Information Officer Report December 1, 2016

TNRIS StratMap

Emergency Communication Districts

1 Abilene-Taylor Co. 9-1-1 District
2 Austin Co. Emergency Communications District
3 Bexar Metro 911 Network District
4 Brazos Co. Emergency Communications District
5 Calhoun Co. 911 Emergency Communications District
6 Cameron Co. Emergency Communications District
7 Capital Area Emergency Communications District
8 Denco Area 911 District
9 El Paso Co. 911 District
10 Emergency Communications District of Ector Co.
11 Galveston Co. Emergency Communications District
12 Greater Harris Co. 911 Emergency Network
13 Gulf Coast Regional 9-1-1 Communications District
14 Henderson Co. 911 Communications District
15 Howard Co. 911 Communications District
16 Kerr Co. Emergency 911 Network
17 Lubbock Co. Emergency Communications District
18 McLennan Co. Emergency Assistance District
19 Medina Co. 911 District
20 Midland Emergency Communications District
21 Montgomery Co. Emergency Communications District
22 Potter-Randall Co. Emergency Communications District
23 Smith Co. 911 Communications District
24 Tarrant Co. 911 District
25 Texas Eastern 911 Network
26 Wichita/Wilbarger 9-1-1 Communications District

Municipal Emergency Communication Districts

Addison (Dallas Co.)
Aransas Pass (Aransas Co.)
Cedar Hill (Dallas Co.)
Coppell (Dallas Co.)
Corpus Christi (Nueces Co.)
Dallas (Dallas Co.)
De Soto (Dallas Co.)
Denison (Grayson Co.)
Duncanville (Dallas Co.)
Ennis (Ellis Co.)
Farmers Branch (Dallas Co.)
Garland (Dallas Co.)
Glenn Heights (Dallas Co.)
Highland Park (Dallas Co.)
Hutchins (Dallas Co.)
Kilgore (Gregg Co.)
Lancaster (Dallas Co.)
Longview (Gregg Co.)
Mesquite (Dallas Co.)
Plano (Collin Co.)
Portland (San Patricio Co.)
Richardson (Dallas Co.)
Rowlett (Dallas Co.)
Sherman (Grayson Co.)
University Park (Dallas Co.)
Wylie (Collin Co.)

Note: 9-1-1 service in the incorporated portion of Dallas County is provided
by Municipal Emergency Communications Districts, including the City of Dallas,
or pursuant to the North Central Texas Council of Governments' Regional 9-1-1 Plan for
four municipalities. 9-1-1 service in the unincorporated portion of Dallas County is provided by
the Dallas County Sheriff's Department under Texas Health and Safety Code Chapter 772, Subchapter E.

Contact: Kelli Merriweather, Executive Director at (512) 305-6938 or kelli.merriweather@csec.texas.gov

Regional Planning Commissions

AACOG	Alamo Area	MRGDC	Middle Rio
ATCOG	Ark-Tex	NCTCOG	North Central
BVCOG	Brazos Valley	NRPC	Nortex
CBCOG	Coastal Bend	PBRPC	Permian Basin
CTCOG	Central Texas	PRPC	Panhandle
CVCOG	Concho Valley	RGCOG	Rio Grande
DETCOG	Deep East	SETRPC	South East
ETCOG	East Texas	SPAG	South Plains
GCRPC	Golden Crescent	STDC	South Texas/Laredo
HOTCOG	Heart of Texas	TCOG	Texoma
LRGVDC	Lower Rio	WCTCOG	West Central
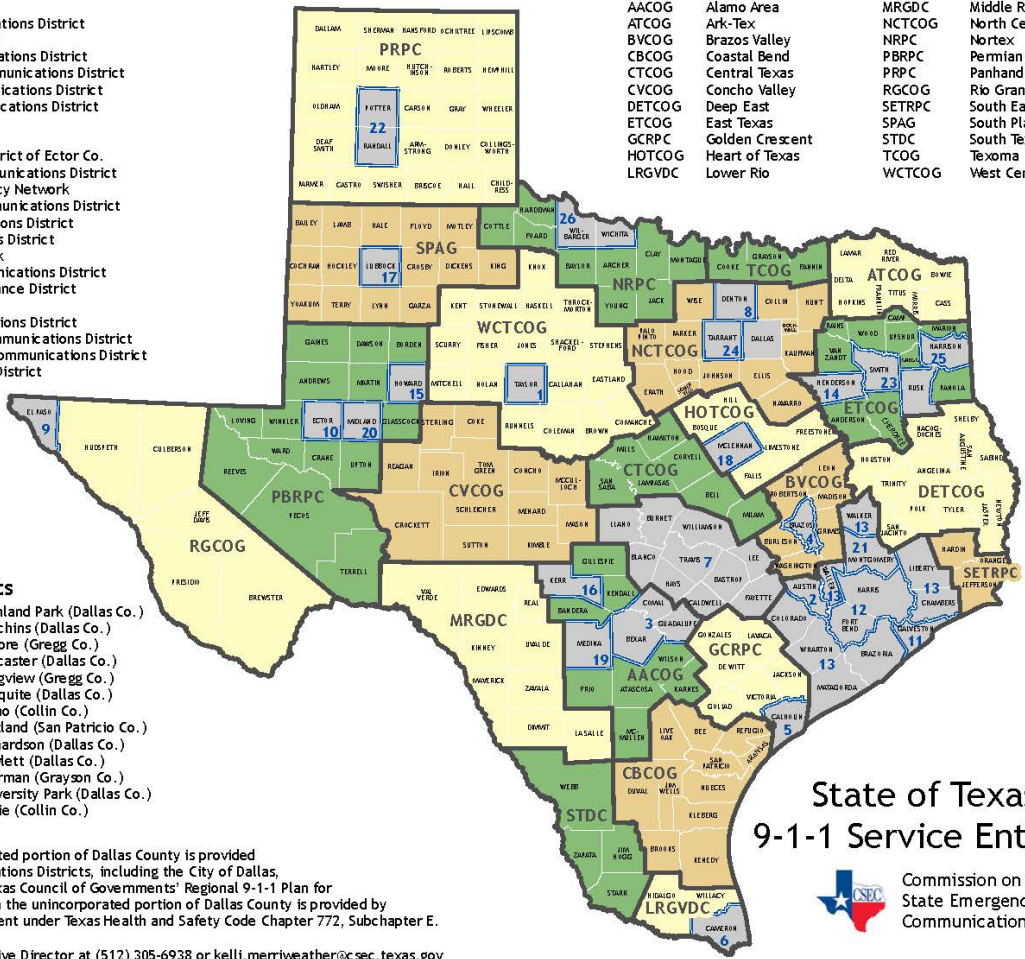
State of Texas 9-1-1 Service Entities

Commission on State Emergency Communications
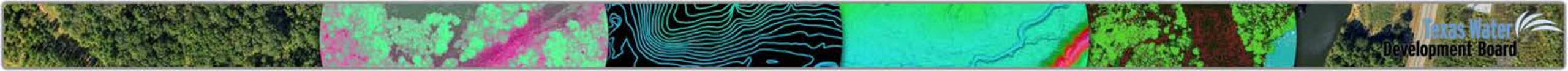
- Establish working committees
  - Parcels
  - Address Points
- GLO Coastal County Project
- Marketing and communications plan
- Stakeholder meetings across the state
- Project updates https://tnris.org/stratmap/

Texas **Imagery** Service

Google

- Imagery from Google

- Automatic Imagery Updates

- WMTS/WMS links

- 6-inch Statewide, no color infrared

- Leaf-on/Leaf-off Mix

- Jan 2015 – Aug 2017 Pilot

- As of Sep1, 2017 - Participant Fee

Texas **Imagery** Service
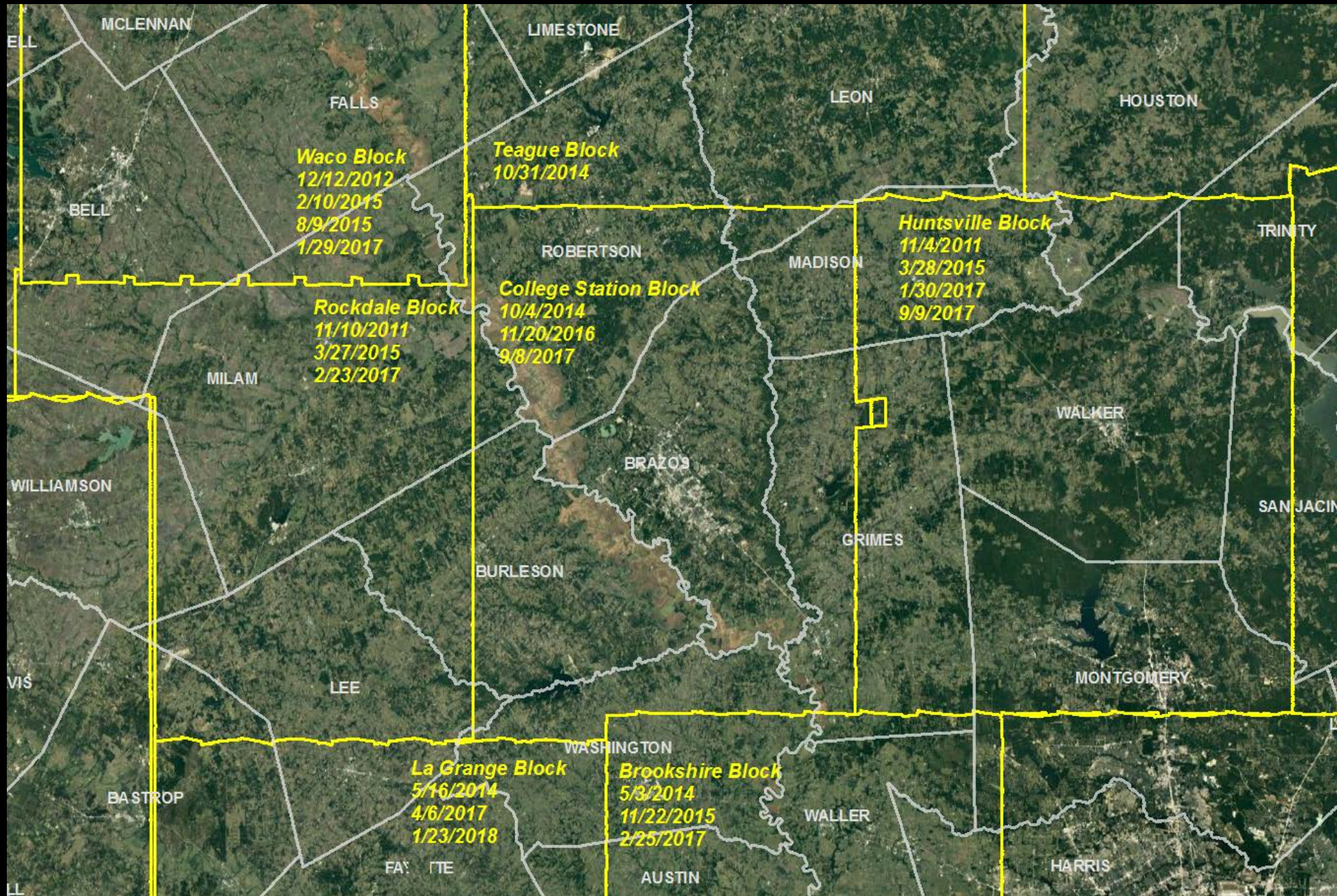
LOCAL AGENCY ANNUAL SUBSCRIPTION

Level	Data Usage	Cost
Flat Fee	Flat Fee	$ 6,000

REGIONAL AGENCY ANNUAL SUBSCRIPTION

Level	Data Usage	Cost
Flat Fee	Flat Fee	$ 15,000

STATE AGENCY ANNUAL SUBSCRIPTION

Level	Data Usage	Cost
Tier 1	Power	$ 375,000
Tier 2	Advanced	$ 125,000
Tier 3	High	$ 62,500
Tier 4	Moderate	$ 31,250
Tier 5	Minimum	$ 15,625

Request a Link Today

StratMap Contracts
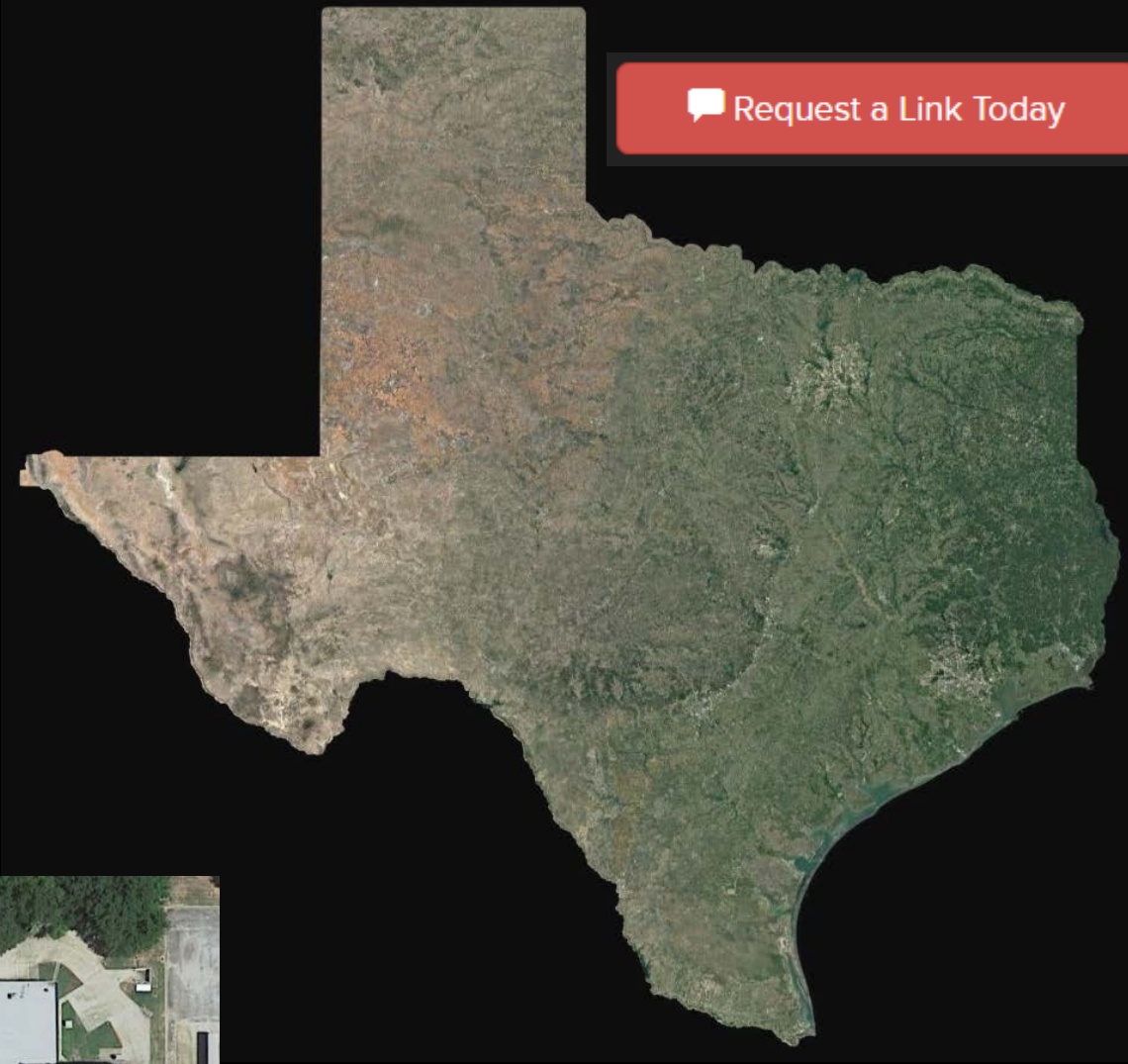
Initiated/held by Department of Information Resources

Administered by TWDB-TNRIS

- Pool resources

- Lower cost per entity

- Higher quality service

- Save time – no individual procurements

Established 2016   **Expires 2020**

StratMap Contracts

Geospatial Data, Services & Software

APPENDIX C PRICING INDEX
DIR-TSO-3389
DEWBERRY CONSULTANTS LLC
CATEGORY: CUSTOMIZED GEOSPATIAL DATA SERVICES

NOTATION: For further Information, Pricing and availability of CATEGORY: CUSTOMIZED GEOSPATIAL DATA SERVICES, contact the Vendor directly.

Areas of Interest			
SW = **Statewide** – State of Texas (70,001 – 270,000 sq. miles)			
SR = **Super Regional** – Ecological Areas, East Texas, West Texas, etc. (5,001 – 70,000 sq. miles)			
R = **Regional** – County, Multi-County, Large Watershed, etc. (251 – 5,000 sq. miles)			
L = **Local** – Corridor, Municipalities, Parks, etc. (0 – 250 sq. miles)			

CUSTOMIZED GEOSPATIAL DATA SERVICES - PER STATEMENT OF WORK

CATEGORY / DESCRIPTION	Product/Service Number	Area of Interest	Product Description	DIR Customer Discount % off of SOW Quoted Cost
Planimetric Feature Extraction- Orthoimagery Derived	D-P-L	R, L	Orthoimagery Derived using softcopy photogrammetric solutions from raster data	25.00%
Planimetric Feature Extraction using lidar	D-P-O	R, L	Creation of planimetric data using lidar point cloud	25.00%
Planimetric 3D Feature extraction	3D-FE	R, L	Lidar derived	25.00%
Building Footprints	B-F	R, L	Creation of building footprints from Lidar or imagery	25.00%
Classification of Lidar	C-USGS	R, L	Classification of lidar to classes user defined	25.00%
Classification of Lidar to USGS 1.2 Specifications	C-USGS	R, L	Classification of lidar to classes and accuracy specified in USGS Specifications 1.2	25.00%
Land Use Land Cover Classification to USGS 1.2 specifications	LULC		Per SOW	25.00%
Land Use Land Cover Change detection	LULC-CD		Per SOW	25.00%
Change Detection	CD	SW, SR, R, L	Determine differences between 2 data sets	25.00%

STAY TUNED FOR THE 2018

TEXAS GIS FORUM

SAVE THE DATES!

October 22 - 26 | Austin, Texas

Education and Training
Technical training courses bring the latest GIS technologies and skills to a range of professional skill levels in the workplace.

Courses offered range from basic introductions to software use and application, to intermediate skill enhancement and refinement, to more advanced skill development for increased efficiency and effective use of GIS.

Our experienced instructors possess technical and teaching skills which are combined with industry knowledge and practical applications of GIS. Courses are offered at a lower price compared to commercial training organizations.

GIS training is offered for employees of
- State agencies
- Regional and local government
- Private organizations
- University students

Register Online Today

Training Facilities

TCEQ Computer Training Lab
12100 Park Thirty Five Circle
Building A, Room 234/235
Austin, TX 78753
View Map

Cancellation Policy

We rely on your attendance to make important arrangements for the courses. Please contact us if

https://tnris.org/education/

Thank you!

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