

# **Edwards Aquifer Protection Program & Linear Creekway Parks Development Program**

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**CITY OF SAN ANTONIO  
CITY COUNCIL MEETING  
JANUARY 29, 2015  
ITEM #4**

Presented by:

Peter Zanoni, Deputy City Manager

# Edwards and Park Trails Programs

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1. A resolution designating two venue projects:
  - Edwards Aquifer Protection Program - \$100 million
    - \$90 million for conservation easements and land purchases
    - \$10 million for Bexar County watershed and recharge protection initiatives
  - Parks Linear Creekway Program - \$80 million
2. Policy direction for a Special Election on May 9, 2015 for the venue projects to be considered by the voters

# May 9, 2015 Election Timeline

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Jan. 29, 2015

City Council  
Resolution

Up to 15 days

State  
Comptroller  
Determination

Feb. 26, 2015

Call for Election

May 9, 2015

Election Date



# City of San Antonio Edwards Aquifer Protection Program



133,447 acres protected

Contributing Zone

Recharge Zone

Recharge Zone

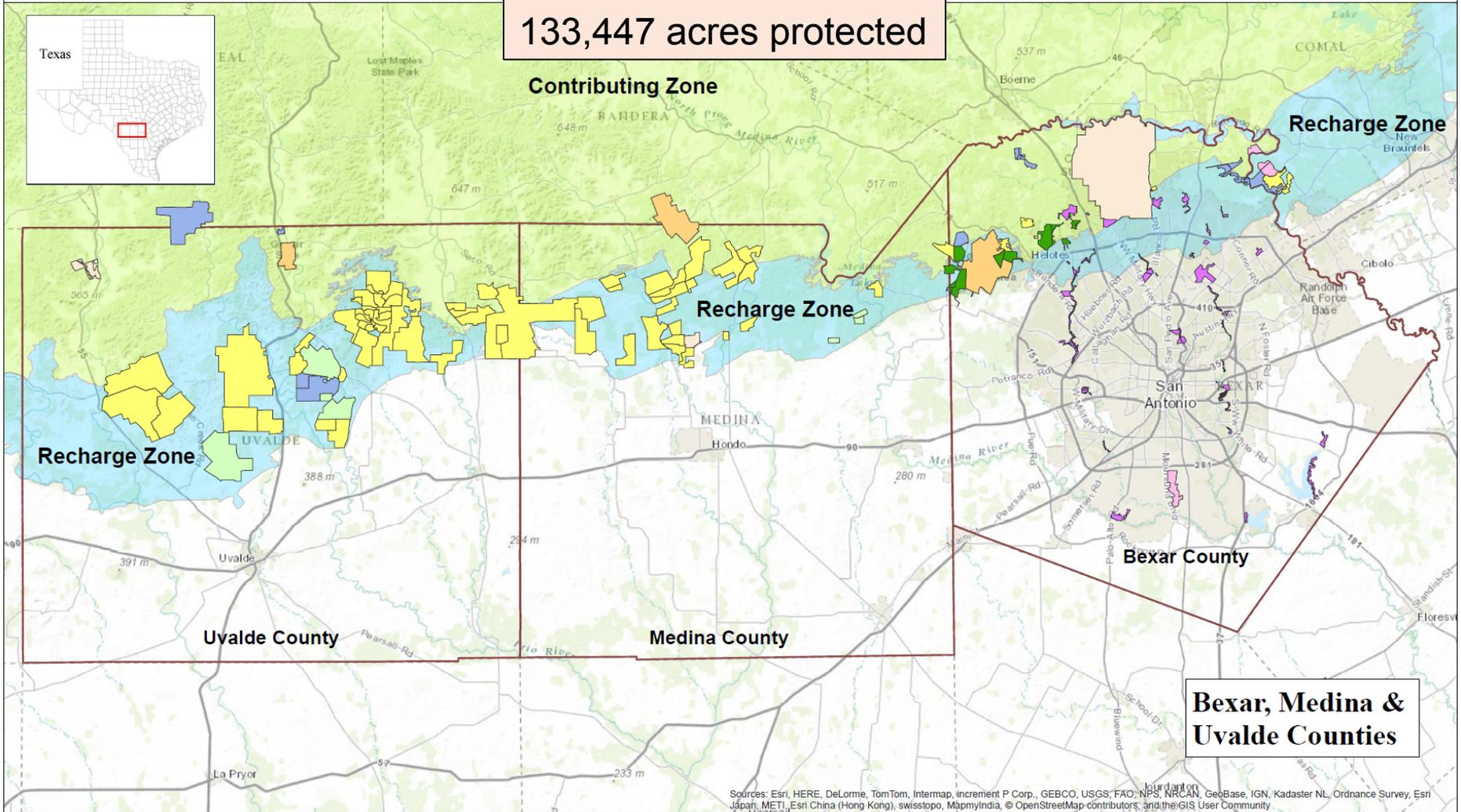
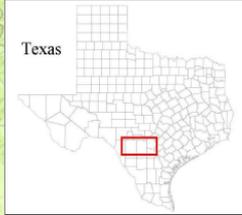
Recharge Zone

Bexar County

Uvalde County

Medina County

Bexar, Medina &  
Uvalde Counties



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

# Edwards Program Protected Land

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McNair Ranch – Blanco Creek



Dehnisch Ranch – Uvalde County

# Edwards Program Protected Land

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Heep Ranch – Verde Creek



KHK Ranch – Frio River

# Edwards Program Protected Land

7



McNeel Ranch – San Geronimo Creek



Estrella Ranch – Cave

# Edwards Program Protected Land

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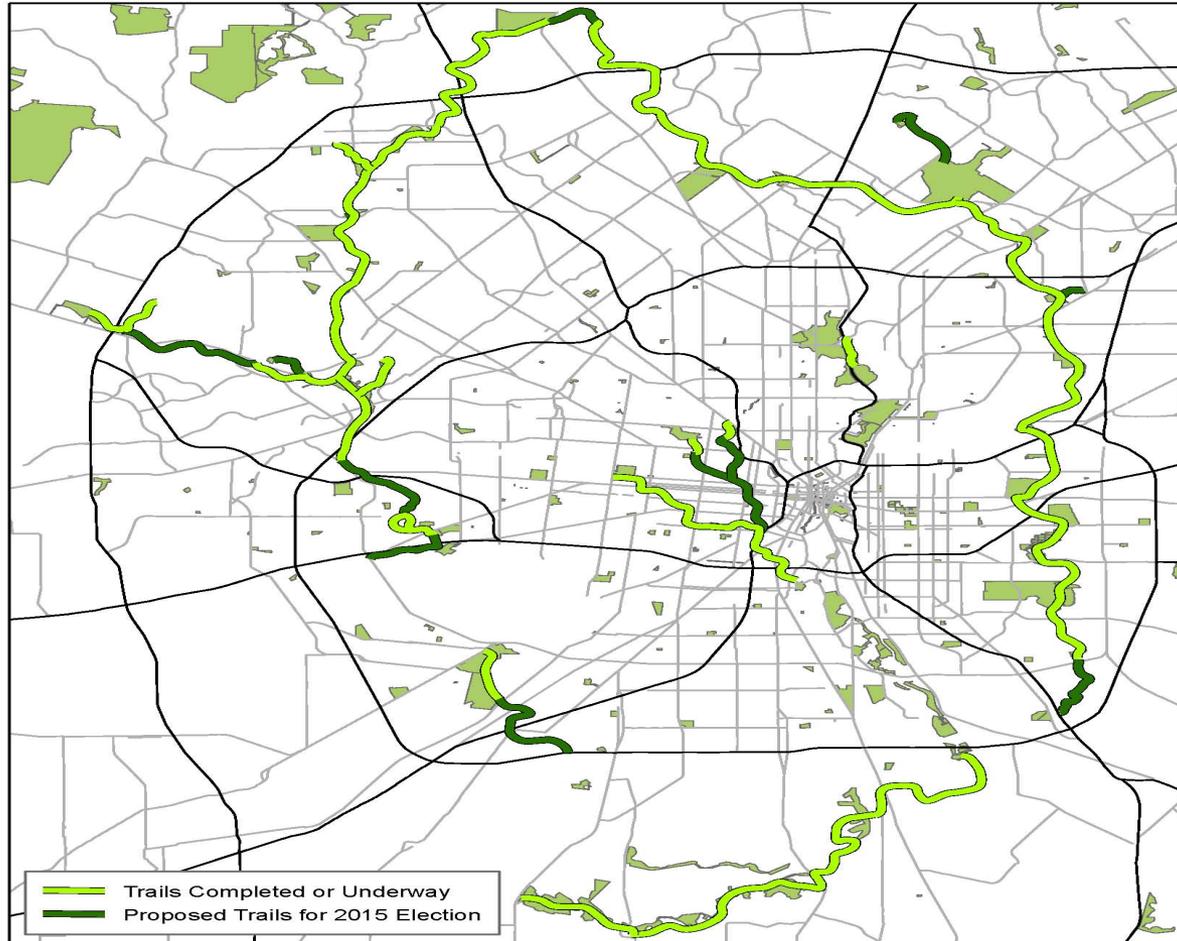
Classen-Ramsay Ranch – Bexar County



Madla Park – Bexar County

# Linear Creekway Parks Development Plan

Howard W. Peak Greenway Trail System



# Linear Creekway Parks

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Leon Creek Greenway



Leon Creek  
Greenway  
at Pearsall Park

# Linear Creekway Parks

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Leon Creek  
Greenway  
Earl Scott Pond



Salado Creek  
Greenway –  
Interpretive Sign at  
Walker Ranch Park

# Linear Creekway Parks

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Olmos Basin Tributary Trail



Salado Creek Greenway connection to J-Street Park

# Linear Creekway Parks

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Salado Creek  
Greenway  
near MLK Park



Salado Creek Greenway  
near Tobin Park

# Linear Creekway Parks

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Salado Creek Greenway  
at Southside Lions Park

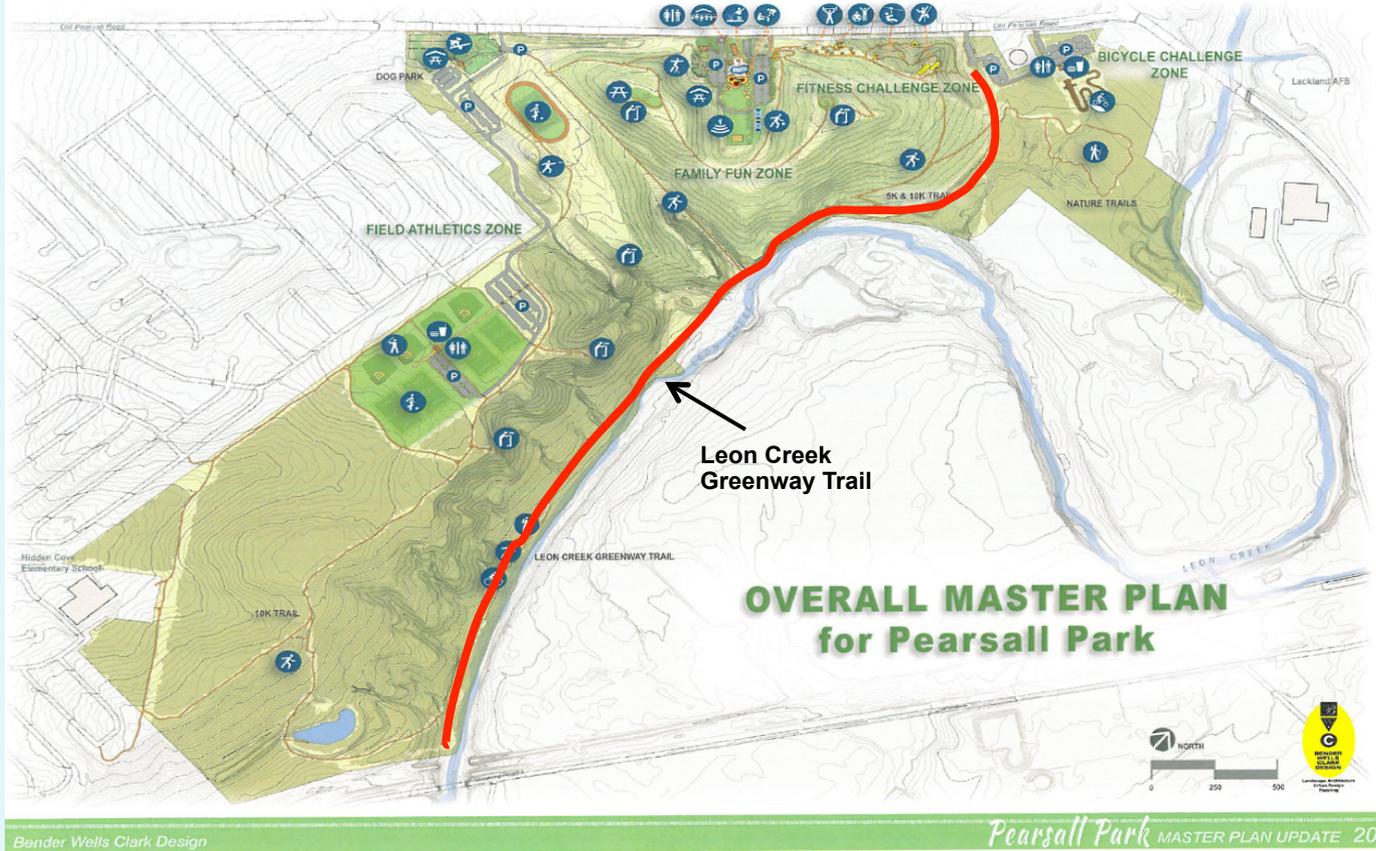


Medina River Greenway  
Old Applewhite Trailhead

# Linear Creekway Parks

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AN UPDATED MASTER PLAN



Pearsall Park Master Plan

# Linear Creekway Parks

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Leon Creek Greenway  
VIA Transit Center Trailhead

# Linear Creekway Parks

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Apache Creek Linear Park

# Edwards and Creekways Program History

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- **2000 Program – \$65 million**
  - \$45m for Edwards Aquifer Program
  - \$20m for Linear Creekway Parks Program
- **2005 Program - \$135 million**
  - Proposition 1 - \$90m for Edwards Program
  - Proposition 2 - \$45m for Creekways Program
- **2010 Program - \$135 million**
  - Proposition 1 - \$90m for Edwards Program
  - Proposition 2 - \$45m for Creekways Program



# City of San Antonio Edwards Aquifer Protection Program



**133,447 acres protected**

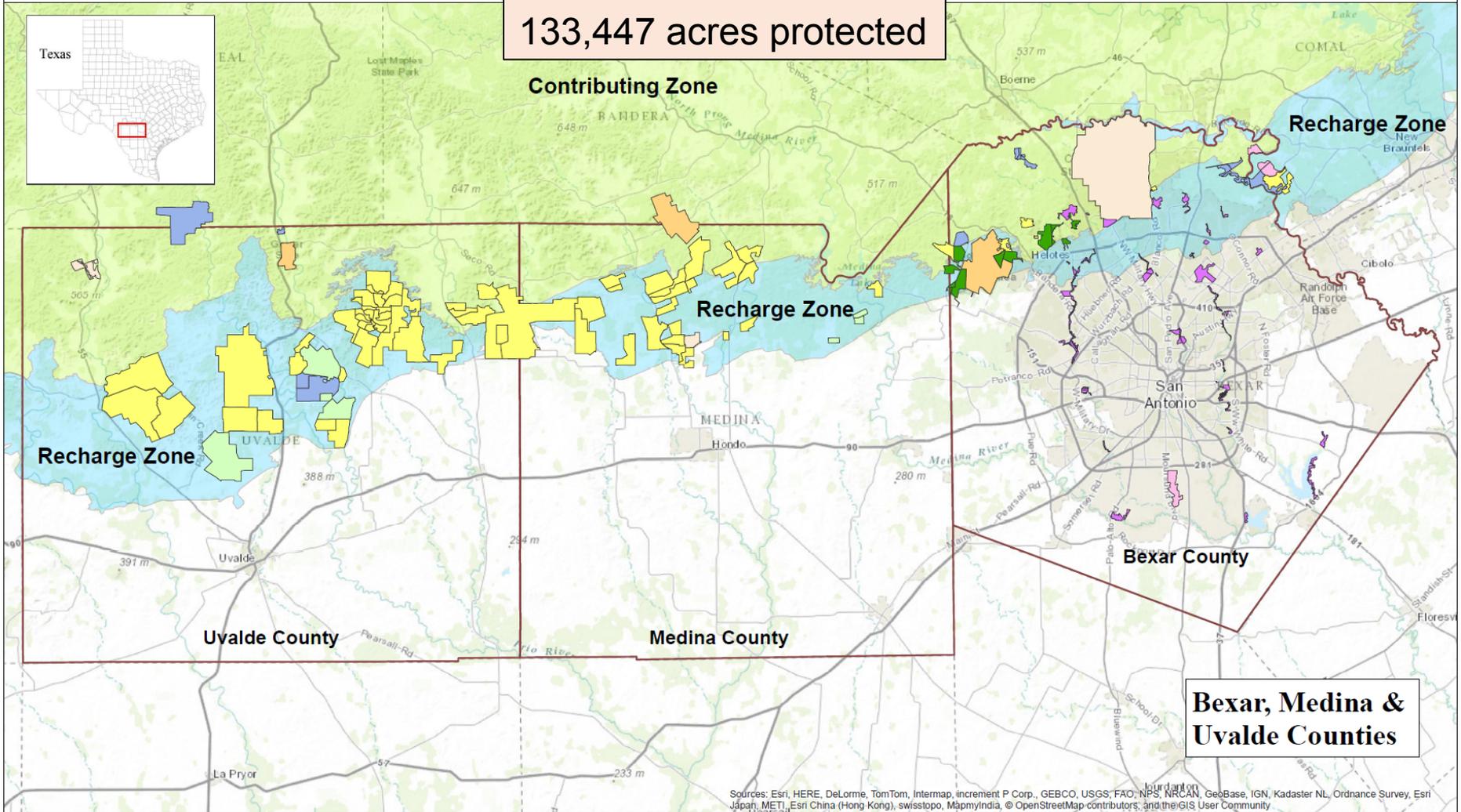
**Contributing Zone**

**Recharge Zone**

**Recharge Zone**

**Recharge Zone**

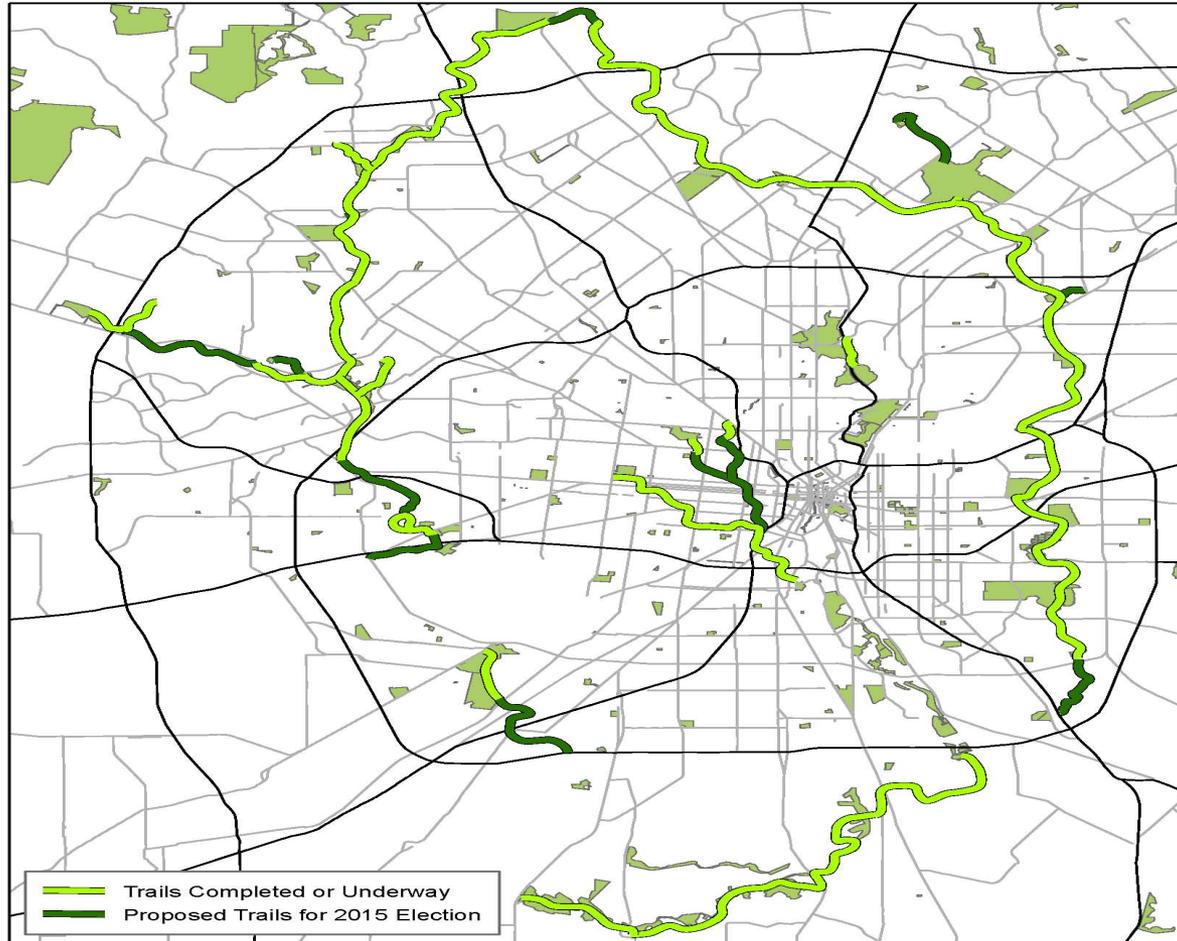
**Bexar, Medina &  
Uvalde Counties**



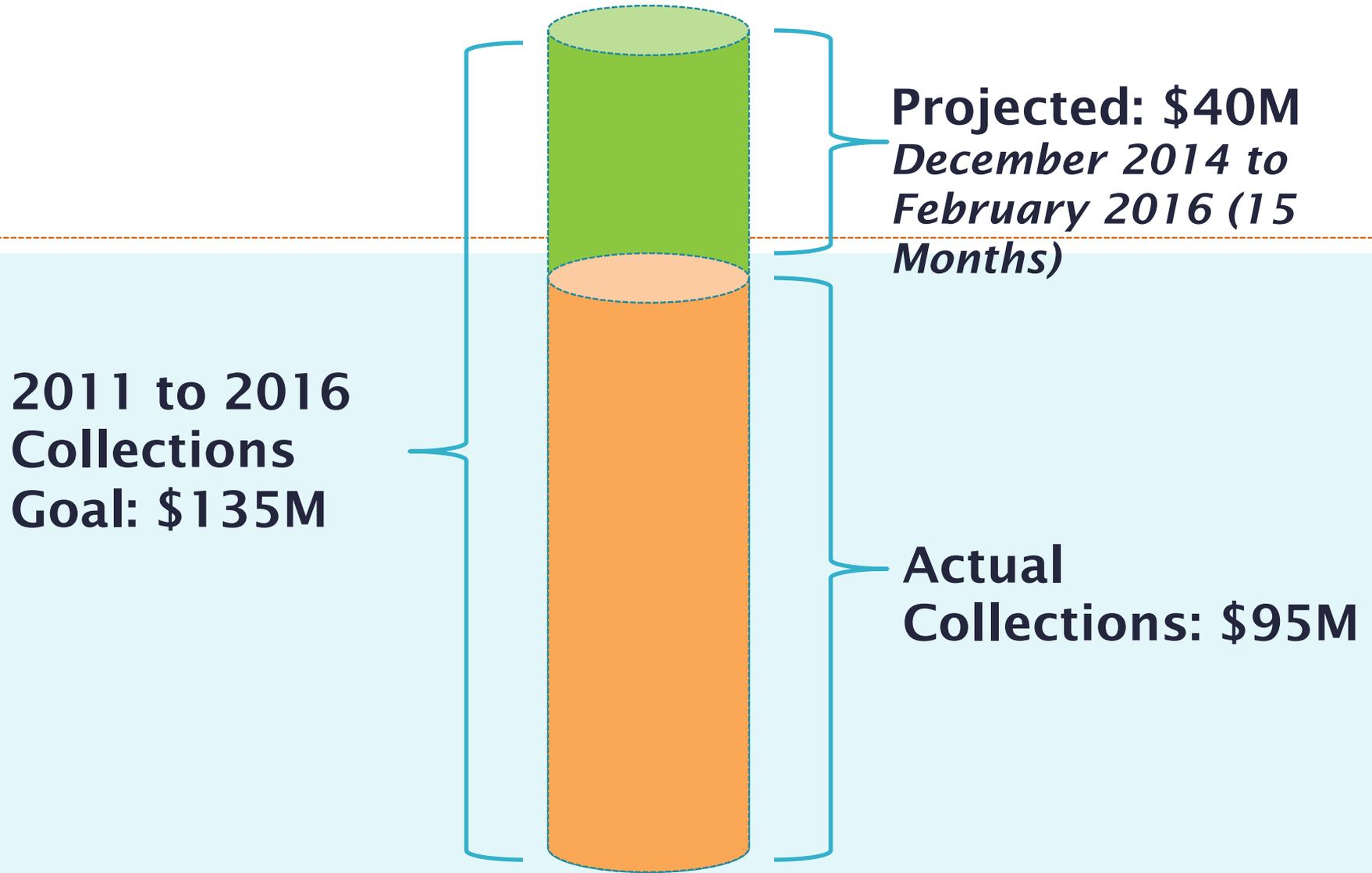
Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri, Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

# Linear Creekway Parks Development Plan

Howard W. Peak Greenway Trail System

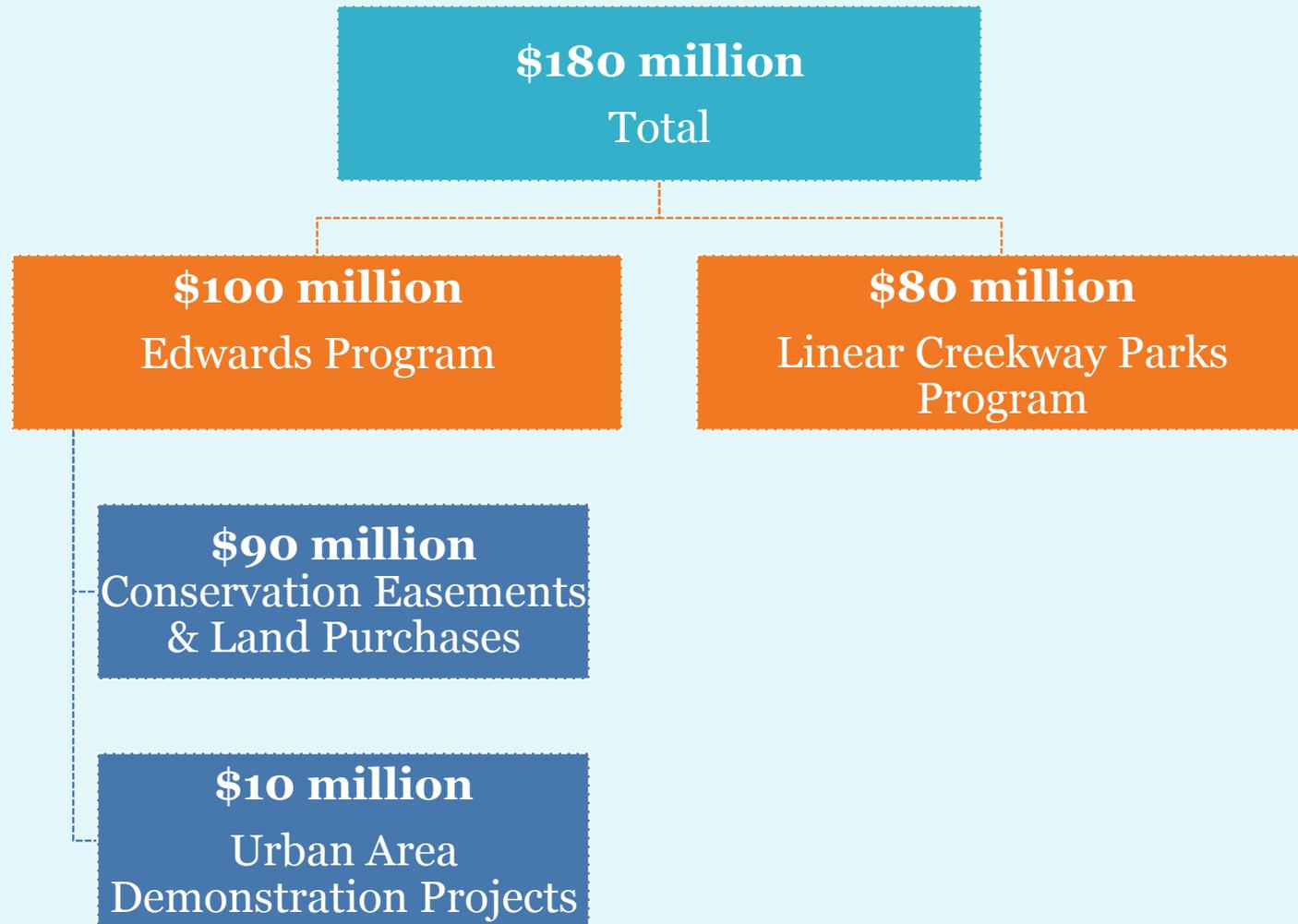


# 2010 VENUE SALES TAX COLLECTIONS



# Proposed Funding Levels 2016 - 2021

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# Program Recommendations

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## Edwards Aquifer Protection Program

- \$90 million for conservation easements and open space preservation over the Recharge and Contributing Zones
- \$10 million for watershed and recharge protection and recharge projects within Bexar County



Concan Ranch – Uvalde County



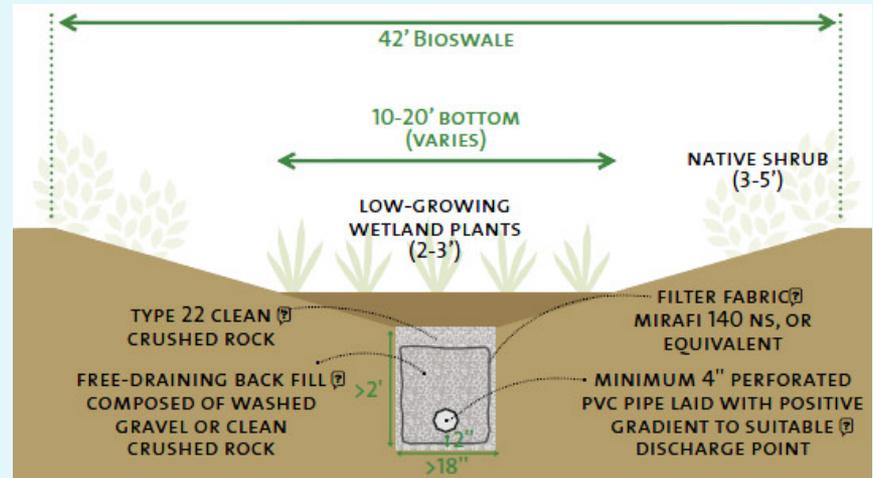
Moore Ranch – Verde Creek

# Watershed Protection Projects

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## Examples of Low Impact Development

- Bioretention/Bioswales
- Constructed wetlands
- Dry detention basins
- Green roofs
- Porous pavement & parking lots
- Rain gardens
- Retention-irrigation
- Wet basins



**Bioswales**

# Watershed Protection Projects

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## Pervious Parking Lots



# Watershed Protection Projects

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## Rain Gardens

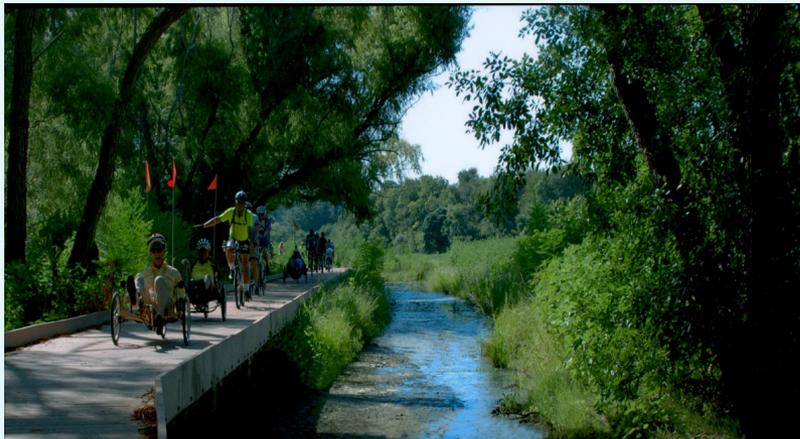


# Program Recommendations

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## Parks Linear Creekway Program

- \$80 million for the acquisition of open space and development of linear parks
- To the extent possible and practical, watershed and water quality protection efforts will be incorporated when developing park improvements within the re-authorized project venue



Salado Creek Greenway



COSA Linear Park System

# Board & Committee Recommendations

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1. City Council Governance Committee met on January 28, 2015 and recommended this Resolution to City Council
2. The Conservation Advisory Board (CAB) passed a resolution supporting reauthorization of the Edwards Aquifer Protection Program in September 2014
3. The Linear Creekway Advisory Board passed a resolution supporting reauthorization of the Parks Linear Creekway Program in January 2015

# City Staff Recommendation

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City Council approve Resolution for two venue projects:

- 1. Edwards Aquifer program totalling \$100 million**
  - \$90M for continuation of conservation easement and land purchases
  - \$10M dedicated to watershed and recharge protection projects exclusively in Bexar County
- 2. Linear Creekway Parks program totaling \$80 million**
  - Continuation of existing program objectives and, when possible and practical, watershed and water quality protection efforts for future parks improvements
- 3. Special Election on May 9, 2015**