

#### **North Central Texas Council of Governments**

# Let It Grow: A Showcase of No Mow Zones in North Central Texas

NCTCOG Webinar February 22, 2023

Elena Berg, NCTCOG eberg@nctcog.org

Prepared in cooperation with the Texas Commission on Environmental Quality and U.S. Environmental Protection Agency







## Procedures for Webinar

The webinar is being recorded and will be posted to NCTCOG's website under the green banner called "Webinars" here:

https://www.nctcog.org/envir/natural-resources/water-resources

- If you submitted an RSVP for this webinar, you will receive an email with the presentation slides, and eventually, a link to the recording. If you did <u>not</u> RSVP and would like these webinar materials, please email <u>eberg@nctcog.org</u>.
- ▶ Please keep your microphone on mute until the Questionand-Answer period at the end of each presentation.
- ► Thank you!

# Webinar Agenda

- **▶** City of Dallas
- City of Grapevine
- ► City of Burleson
- ► City of Fort Worth
- **▶** City of Denton
- **►** Town of Flower Mound



# Speaker Introduction

## **Brett Johnson**

- Sr. Environmental Coordinator/Urban Biologist
- ► City of Dallas

# Non-Mow Areas in Dallas Parks

**Challenges and Conservation Opportunities** 

Brett Johnson
Senior Environmental Coordinator/Urban Biologist
Park and Recreation Department









## Fire Issues

Prescribed fire good

Political challenge

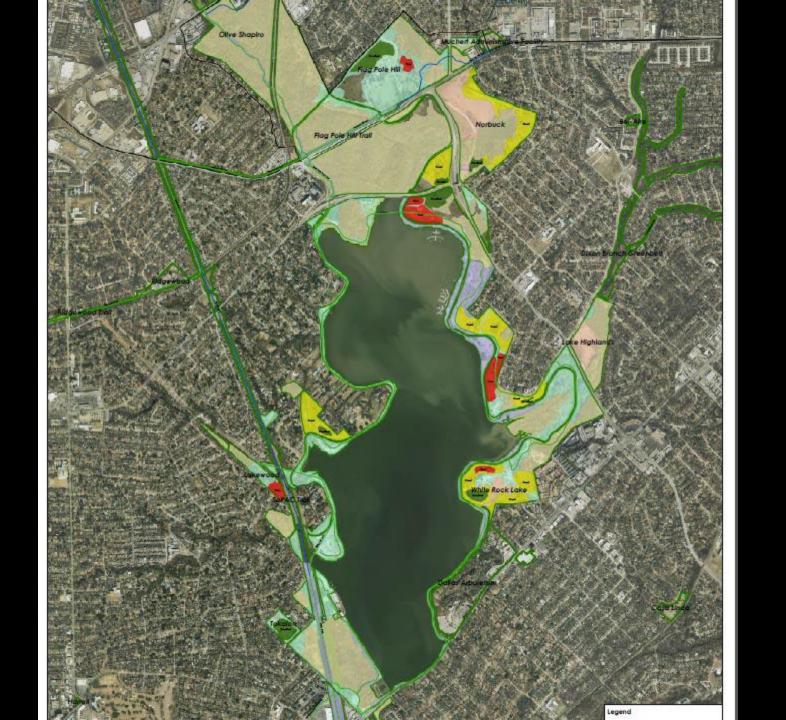
Fuel height reduction



# White Rock Prairie Management







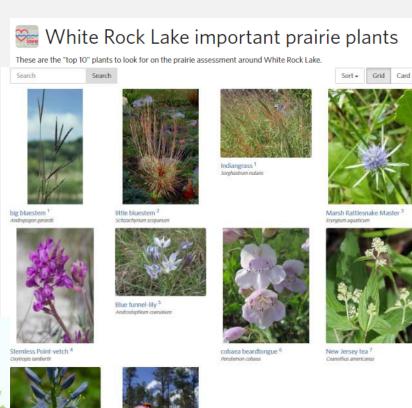
# **Prairie Volunteer Efforts**



# **Volunteer Driven Management**

- Adopt-A-Prairie
- Survey for "Top 10 Plants" iNaturalist\*\*\*
- Manual removal of invasive species
- Seed collection and dispersal
- 5 areas already adopted







## THIS AREA ADOPTED BY

#### **ADOPT-A-PRAIRIE**

## VOLUNTEER ACTIVITIES

#### VOLUNTEER REQUIREMENTS

Thank you for your interest in the Dallas Park and Recreation Department's Adopt-A-Prairie Program.

This program gives volunteer groups the opportunity to engage in the restoration and maintenance of the precious prairie remnants found in Dallas parks.



Manual removal of invasive species



Seed collection and/or planting

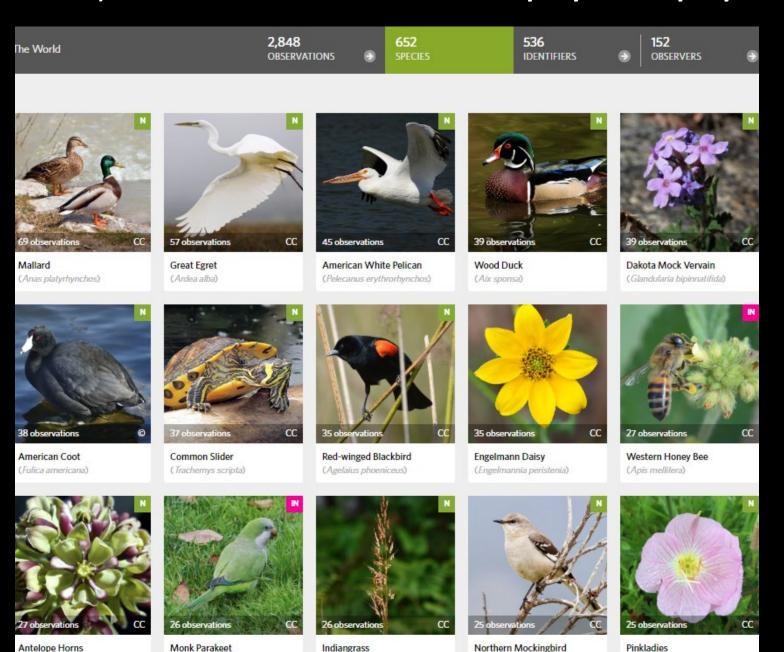


Collection of biological data

- Sign up through a one year Beautification Agreement
- Group has at least 5 participants per 1 acre selected
- Commit to a minimum of 15 hours per month during the growing season (mid-March through October)
- Commit to the three "Volunteer Activities"
- 5. Submit monthly paperwork and photos to the Urban Biologist



### Verifiable, Research Grade Observations 4/18/2018-4/18/2019



## **Pollinator Conservation Effort**









## Wildflower Areas

- 137 areas, 97 acres
- Prep begins in February, typically start blooming at the end of March, try to maintain until flowers go to seed
- Looking to increase Fall blooming plants





## **Pollinator Gardens**

- Staff/city and volunteer/community driven gardens--at least 1 garden in each maintenance district (6)
- Minimum standard--certifiable as Monarch Waystations
- Texas Discovery Garden-partner and NFWF Grant
- 11installed, 10 more planned—
   RP Brooks, Everglade, Crawford,
   Tenison are excellent examples



Crawford Memorial Park



## **Urban Biologist**



The City of Dallas Park and Recreation Department is a steward of its resources and is committed to maintaining an accurate inventory of its natural assets. Urban Biologist Brett Johnson is responsible for leading a natural resource management plan for the Dallas Park and Recreation Department.

#### **Brett Johnson**

Urban Biologist

Ph: 214-670-1923 Fx: 214-670-6748

Email Biography

#### **Speaker Request**

Invite our Urban Biologist to speak at your next event. Speakers Request Form

#### Park Maintenance and Operations

542 E. Jefferson Blvd. Dallas, Texas 75203

Ph: 214-670-1923 Fx: 214-670-6748

#### **Business Hours**

Monday - Friday 7:30 a.m. - 4:30 p.m.

#### Calendar

## Urbanbiologist@dallascityhall.com

# Questions?



# Speaker Introduction

## Kathy Nelson

- ► Parks and Recreation Department Planning Manager
- ► City of Grapevine



# Enhanced Landscapes

Habitat Restoration

Prairie Reconstruction

# CHALLENGES

## Past Culture

- Everyone should be able to live on a golf course
- Every green space should look like a putting green
- When in doubt, mow



# GRAPEVINE PARKS & REC

# Ordinances... Or the lack thereof

## Work with what you have:

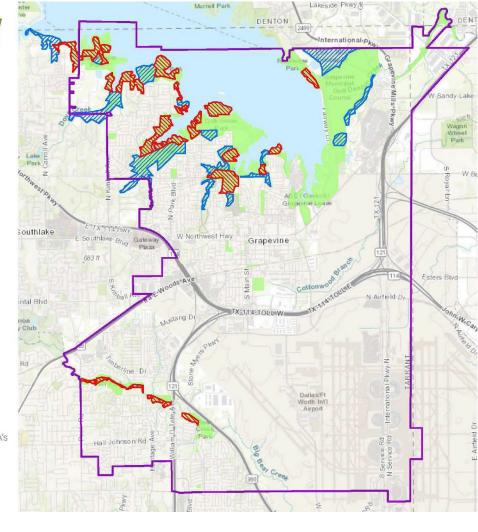
- Flood Damage Prevention
- Sediment & Erosion Control
- General Use Zoning District
- Lean on other requirements and guidelines

## ENVIRONMENTALLY SENSITIVE AREAS (ESA'S)

This map shows the Environmentally Sensitive Areas defined within Grapevine City limits.

The areas in blue are ESA's put in place and determined by the United States Army Corps of Engineers.

The areas in red are additional ESA's determined by the City to offer protection and conservation of the natural resources.



Army Corp of Engineers ESA's
Grapevine ESA
Grapevine City Limits
Parks

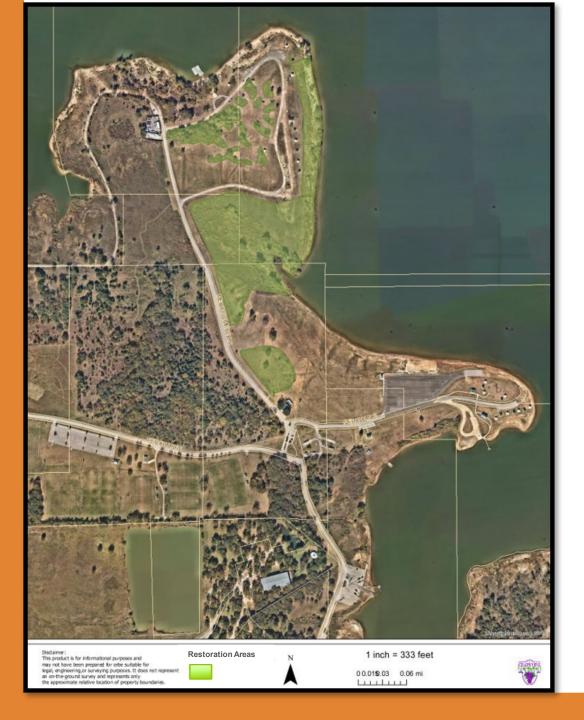
GRAPEVINE PARKS & REC

## Requires Patience

- Meet stakeholders where they are – multiple starting points
- Takes so much time...
  - o to listen
  - to educate
  - to see results in the field



# SUCCESSES



## Meadowmere Park

- Limited stakeholders
- Supportive cultural and physical environment
- Stopped mowing
- Began planting
- Began educational programming



# may not have been prepared for orbe suitable for 00.00705015 0.03 mi





1 inch = 160 feet



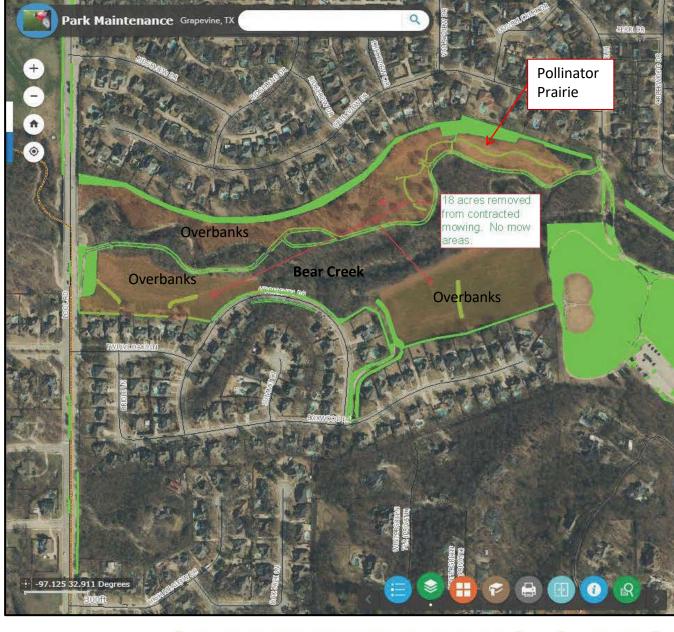
## Parr Pollinator Prairie

- Hesitant stakeholders
- Physical environment not conducive
- Conducted door to door conversations
- Stopped mowing
- Began removing invasives
- Instituted mowed buffers along back yard fences
- Started planting
- Started educational programming
- Mow every three years

GRAPEVINE PARKS & REC

## Bear Creek Overbanks

- Resistant stakeholders
- Conducive physical environment
- Stopped mowing
- Responsive one on one conversations
- Instituted mowed buffers
- Responsive conversations with the HOA
  - provide supportive documentation
  - involved floodplain administrator
- Start invasive removal and observation
- Once-a-year mowing to start



**GRAPEVINE PARKS & REC** 

# LESSONS LEARNED

## Mowed Buffers: The DMZ of Habitat Restoration

- Creates a sense of safety
- Creates a sense of ease
- Provides uniformity
- Demonstrates purposefulness
- Begets tolerance



## No Mow ≠ No Mowing

- Think about signage
- Think about vegetation control methods

## No Mow ≠ No Maintenance

- Invasive Control
- Succession Management
- Maintain wildflower to grasses ratio
- A very important point to drive home when talking with stakeholders



## Floodplain Management

- Flooding gets peoples attention
- Make a new friend today meet your Floodplain Administrator
- Review floodway modeling for areas that are conducive to habitat restoration - look for Manning 's n value (roughness coefficient)

3. Floodplains			
a. Pasture, no brush			
1.short grass	0.025	0.030	0.035
2. high grass	0.030	0.035	0.050
c. Brush			
1. scattered brush, heavy weeds	0.035	0.050	0.070
2. light brush and trees, in winter	0.035	0.050	0.060
3. light brush and trees, in summer	0.040	0.060	0.080
4. medium to dense brush, in winter	0.045	0.070	0.110
5. medium to dense brush, in summer	0.070	0.100	0.160

Discharges:	Upstream Limit	Downstream Lim			
10-year	9400	9400			
50-year		15100			
100-year		18300			
500-year		24500			
Attach diagram showing changes in 100-year discha-	rge				
Explain how the starting water surface elevations were determined From downstream Big Bear					
Creek model.					
i p					
Give range of friction loss coefficients (Manning's "N	") Channel	0.035-0.055			
	Overbanks	0.055-0.080			
give location, value used in the effective FIS, and rev were determined. <u>Location</u>	ised values and an explai	nation as to how the revised of Revised			
were determined.					
were determined.	FIS	Revised  Revised			
were determined.  Location	etermined (e.g., field surv	Revised  Revised			

EVINE DADVO O DE

# Know Your Ordinances... Don't get goat tied

- Review what is not allowed as well as what is allowed
- Make note of what is missing





# Speaker Introduction

### **Daniel Shafer**

- ► Parks Superintendent
- ► City of Burleson



#### Overview

- 1. What Are No Mowing Areas?
- 2. Benefits
- 3. Ideal locations for No Mowing Areas
- 4. Existing Sites
- 5. Best Practices for Maintenance
- 6. Proposed NEW Wildflower Areas
- 7. Education and Outreach
- 8. Fiscal Impact
- 9. Feedback and Recommendations

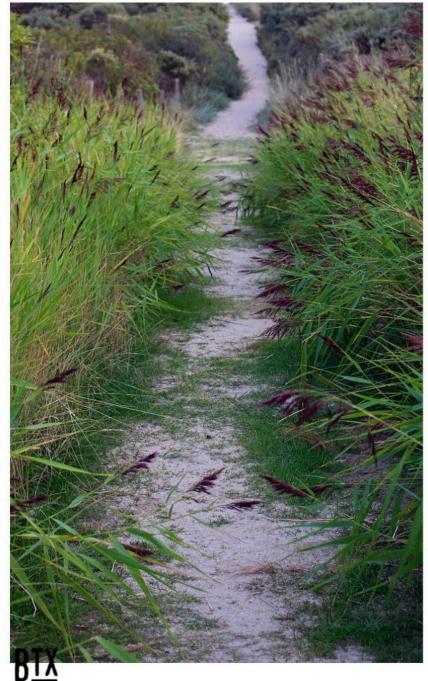




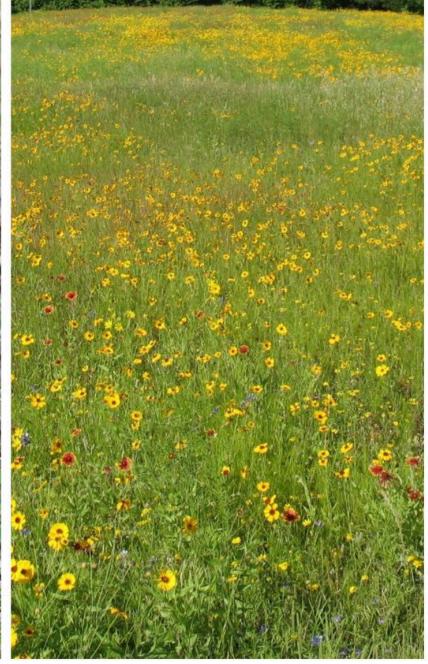


## What are No Mowing Areas?

- Areas identified for conservation, erosion control, and maintenance cost control
- Sections of park land that naturally lend themselves to conservation (natural areas)
- Require no maintenance, minimal maintenance, or volunteer-led maintenance
- Three types identified in Burleson parks
  - Natural Areas riparian buffers along creeks or drainage areas, forest areas, unprogrammed conservation areas that allowed to grow wild
  - Wildflower Areas areas primarily comprised of natural and/or seeded wildflowers
  - Prairie Areas areas featuring native prairie soils, plants and features









## Benefits of No Mowing Areas

- Reduce maintenance cost
- Deep rooting plants retain soils and reduce erosion
- Help prevent/filter grass clippings, litter, and other toxin from regularly entering waterway
- Promote pollinator activity
- Protect natural and native resources
- Provide food and cover for native wildlife
- Help air quality through reduced equipment emissions
- Carbon sequestration
- Provide educational and outdoor learning opportunities
- Help qualify for grant opportunities



## Ideal Locations for No Mowing Areas

- Areas of existing, undisturbed, native soils of a historic ecological region as evidenced by native plants, animals, and insects present (e.g. forests and prairies)
- Areas prone to erosion such as sloped areas in parks and along creek embankments
- Areas that are easily accessible for proper maintenance equipment such as discs, tillers, boom sprayers, and rough-cut mowers (wildflower areas require periodic special maintenance)
- Areas of inconsistent grade that offer little value for open space play opportunities
- Areas not presently feasible for irrigation and agronomic programs
- Undeveloped and conservatory park land to minimize maintenance costs and capital funding commitment to beautify an area

## Existing No Mowing (Natural) Areas

#### Forested and Riparian Areas

- Bailey Lake Park 17.45 acres
- Chisenhall Hike/Bike Trail 70.33 acres
- Coyote Loop Trail (Wakefield) 48.42 acres
- Oak Valley Park/Trail 24.42 acres
- Prairie Timber (East) 11.25 acres
- Russell Farm 12.02 acres
- Shannon Creek Park 9.54 acres
- Shannon Creek (east of Candler) 9.74 acres
- Village Creek Trail 6.81 acres
- Willow Creek Park 2.97 acres

#### Prairie Areas

Coyote Loop (Wakefield) 3 acres

Natural Area Acreage: 215.95

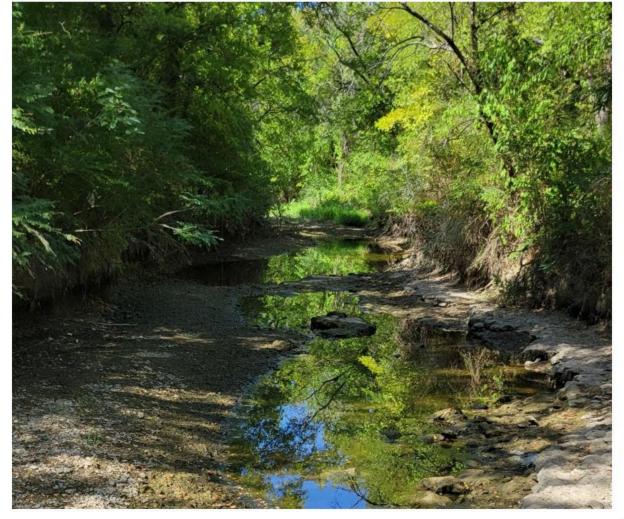
Mow/Litter Cost Avoidance: \$110,674.00/year



### Best Practices for Maintenance

# Natural Areas (forested, wild, and embankment vegetation strips)

- Maintain outside edges
- Maintain a buffer at least 6 feet away from shared property lines, trails amenities and programmed areas
- Post ID signage at riparian and wild areas
- Recruit volunteers to assist with annual or quarterly clean-up
- Annual mowing in wild and riparian areas to manage invasives











Parks and Recreation

# NO MOW AREA

**NATURAL AREA** 



# Sample On-site ID Signage

https://www.burlesontx.com/2493/No-Mow-Areas

## Best Practices for Maintenance (continued)

#### Prairie and Wildflower Areas

- Maintain outside edges
- Preparation by purging invasives and light tilling
- Seeding during the Fall
- Maintain a buffer at least 6 feet away from shared property lines, trails amenities and programmed areas
- Post ID signage
- Recruit volunteers to assist with annual or quarterly clean-up
- Recruit volunteers to help manage invasives prior to flowering or seeding
- Strategic annual or semi-annual mowing to allow for seeding and to manage invasives
- Supplemental plantings or seeding as needed
- Selective herbicide use to manage invasives as needed







## Proposed NEW Wildflower Areas

- Chisenhall paved trail near Windmiller
- Meadow Crest sloped area
- Oak Valley South near creek
- Oak Valley Trail pockets along trail
- Old Mulch Site behind dog park
- Wakefield Heights supplement existing area

5 new acres total

## Education and Outreach Opportunities

#### Webpage for Now Mow Areas

- Category descriptions and inventory
- Location maps
- Benefits
- Volunteer opportunities
- FAQs
  - Managing expectations seasonal appearance
  - Relying on natural rainfall
  - Mowing and seeding strategy
  - Invasive species management

#### On-site standard signage

- Area type
- QR code linking to website

Interpretive signage (if funded and applicable)

Outdoor programming and classroom partnering with public schools, home school groups and Master Naturalists



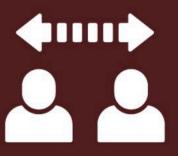




## Fiscal Impact for New Areas

- Seed costs: \$2,500
- Site prep costs: \$220
- Signage costs: \$660
- Mowing savings: \$3,000
- Total Year 1 costs: \$380 (costs savings)
- Total Year 2 savings: \$3,000

## Questions, Answers and Feedback





# Speaker Introduction

### Michelle Villafranca

- ► Park Operations & Natural Resource Planner
- ► City of Fort Worth



# Reduced Mow: Natural Areas

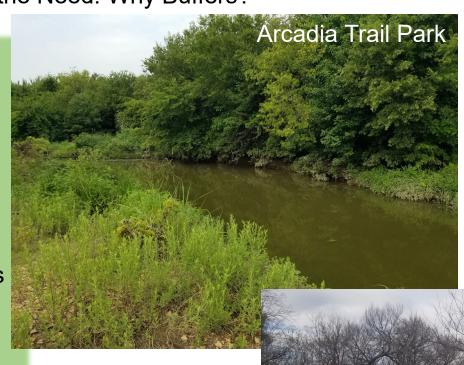


Michelle Villafranca, Park Operations & Natural Resource Planner City of Fort Worth Park & Recreation Department



#### Identify the Need: Why Buffers?

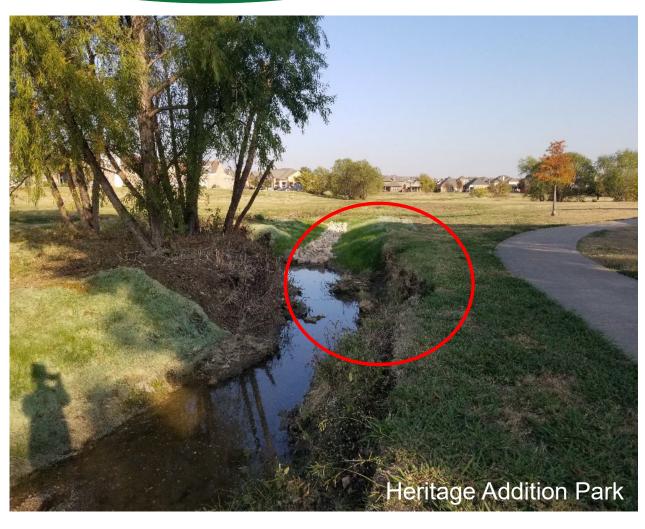
- Returns a more natural stream function
- Filters stormwater runoff, removing pollutants before they reach the stream
- Prevents stream bank erosion
- Reduces floodwater velocity, which reduces downstream flooding & erosion
- Provides shading, reducing water temperatures which protects aquatic life
- Provides habitat & food for diverse wildlife
- Reduces the City's carbon footprint by reduced mowing
- Less staff hours on maintenance
- Better stewardship of taxpayers dollars
- Provides scientific & educational opportunities



Chisholm Ridge Park



#### Identify the Need



- Recognized the issue
- Researched & benchmarked
- Gathered input from other City departments
- Drafted a Natural Resource Management plan for Water Resources
- · Established evaluation criteria
- Identified parks for trial run

Definitions of SMZ Widths							
Tier 0	0 feet	= Mow to edge of stream	Narrow, linear parks; as determined on a case- by-case basis				
Tier 1	30 feet	= 15 feet either side of bankfull (top of bank; the water level stage that begins to spill out of the channel into the floodplain.) totaling 30 foot width (not including stream bed)	Narrow, linear parks				
Tier 2	50 feet	= 25 feet either side, totaling 50 foot width	Standard, applicable distance from adjacent private property structures				
Tier 3	100 feet	= 50 feet either side of bankfull totaling 100 feet	Large parks with ample access to stream elsewhere				
Tier 4	200 feet	= 100 feet either side of bankfull totaling 200 feet	Large parks, TCEQ impaired watercourses, erosion issues, natural area designation (official or not)				
Tier 5	300 feet	= 150 feet either side of bankfull totaling 300 feet	Large parks, TCEQ impaired watercourses, erosion issues, natural area designation (official or not)				



#### Ready, Set, Action!

- Mapped reduced mow & met with contractors on site
- Notified adjacent neighborhood associations
- Designed & installed signage
- Developed website with FAQs
- Established photo points
- Established *StreamTeam* riparian monitoring
- Developed natural resource management training for park staff
- Hired new position: Natural Scientist

# Sample Date Sample Time (milit Site ID #

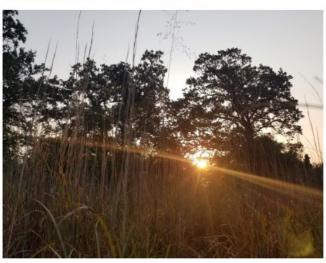
RIPARIAN ENVIRONMENTAL MONITORING FORM



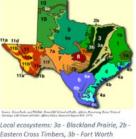


Home / Departments / Park & Recreation / Services & Activities / Naturally Fort Worth!

#### Naturally Fort Worth!



Natural Areas are areas left either in their natural habitat or areas that are minimally maintained.



Prairie, 2c - Western Cross Timbers



#### Natural Area: Stream Buffers



4/2022





7/2022



#### Natural Area: Wildflowers

Love Circle Park





#### Challenges & Solutions

#### Challenges:

- Conveying area to mow contractors
- Training staff
- Public perception, complaints
- Developing an education campaign
- Rapid growth, short-staffed, priority is general maintenance
- Litter
- Provide access to water, rotate area out to avoid erosion
- Invasive species management
- Unauthorized camping

#### Solutions:

- Work with Keep Fort Worth Beautiful for litter abatement
- Install water goats
- Develop a more robust outreach & education program
- Provide more habitat for wildlife; especially species that can control mosquito population
- Develop an urban wildfire management plan;
   establish a Fuelbreak policy for parks & open space
   with natural areas
- Use available tools to control invasive species

# Thank you

Michelle Villafranca, Park Operations & Natural Resource Planner City of Fort Worth Park & Recreation Department

Michelle.Villafranca@fortworthtexas.gov



# Questions?



# Speaker Introduction

## **JoEtta Dailey**

- ► Watershed Protection Manager
- ► City of Denton

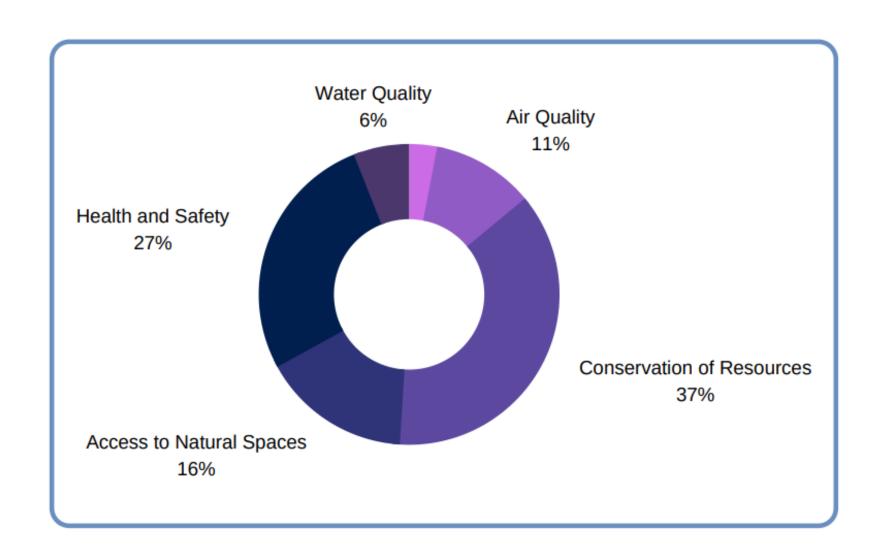
## City of Denton – Grow & Low Mow Zones

JoEtta Dailey
Environmental Services and Sustainability
Watershed Protection Division





# Primary Interest in Sustainability



## Green Stormwater Infrastructure

- 319 grant funded
- Supports the Hickory Creek Watershed Protection Plan







# Green Stormwater Infrastructure

Complete Streets



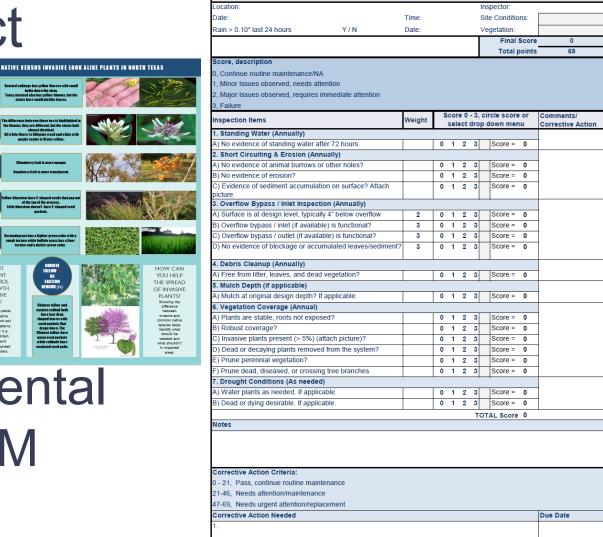
## Green Asset Management Grant

OF INVASIVI

undermine native ones and disturb so

Silver Jackets project

- USACE
- Texas AgriLife
- **EPA**
- City of Denton
- Southwest Environmental Finance Center - UNM



CHECKLIST FOR INSPECTION OF BIORETENTION SYSTEM

## **Environmentally Sensitive Areas**

- Riparian Zones
- Water Related Habitat
- Undeveloped Floodplains

Cross Timber Upland Habitat



**Environmentally Sensitive Area** 

### **Grow Zone** (No Mowing!)



with tall grasses and plants: · Improve water quality and quantity

- · Stabilize streambanks from erosion
- · Provide wildlife habitat and food

Riparian zones, such as these,

· Shade streams and lower temperatures

#### Zona Ribereña Delicada ¡No corte las hierbas!

#### Zona ribereña de pastos altos y plantas silvestras:

- Meioran la calidad y cantidad del agua
- Estabilizan los causes de erosión
- Proporcionan un entorno de vida silvestre y de alimentos
- Hay mucha sombra para el suelo y para moderar las temperaturas del agua

Learn more at www.dentonwatersheds.com **DENTO** 



## Parks Grow Zones

- Natural areas
- Signage to educate community





**Environmental Management Area** 

## **Grow Zone**

OUR WATER (Limited Management)



KEEP IT CLEAN

Environmental zones, such as these, with tall grasses and plants:

- Improve water quality and quantity
- Stabilize streambanks from erosion
- Provide wildlife habitat and food
- Shade streams and lower temperatures

The City of Denton has a specific management strategy for these areas to optimize their environmental services.

## Zona Ribereña Delicada ¡No corte las hierbas!

#### Zona ribereña de pastos altos y plantas silvestras:

- Mejoran la calidad y cantidad del agua
- Estabilizan los causes de erosión
- Proporcionan un entorno de vida silvestre y de alimentos
- Hay mucha sombra para el suelo y para moderar las temperaturas del agua

Learn more at www.dentonwatersheds.com



## Wildflower Planting Program – Low Mow

- Green Ribbon Medians
- ▶ 224 acres ROWs and open spaces
- Bloom throughout the year
- Reduced maintenance
  - Reduce greenhouse gas emissions
  - Conserve water

## Supporting Sustainability

- Monarch City USA
- Bee City USA
- Tree City USA
- Integrated Pest Management Plan
- ▶ Bird City Texas in progress
- NWF Community Wildlife Habitat







## Questions

- JoEtta Dailey, Watershed Protection Manager
- Joetta.Dailey@cityofdenton.com



## Speaker Introduction

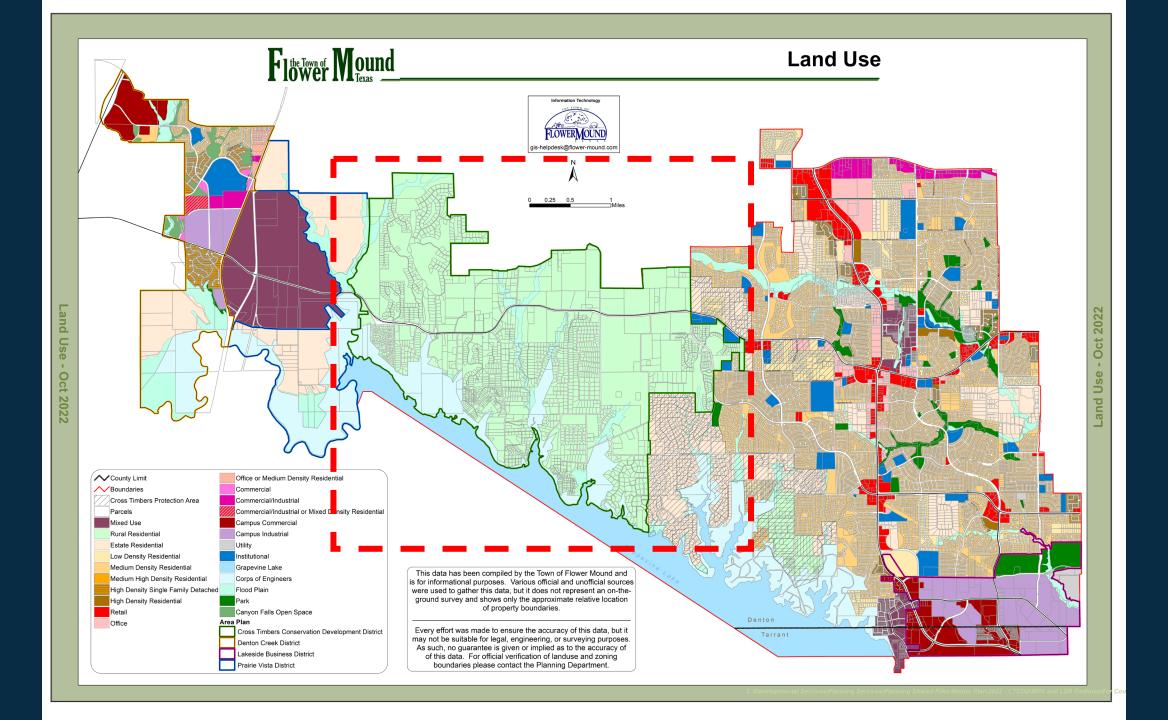
### John Chapman

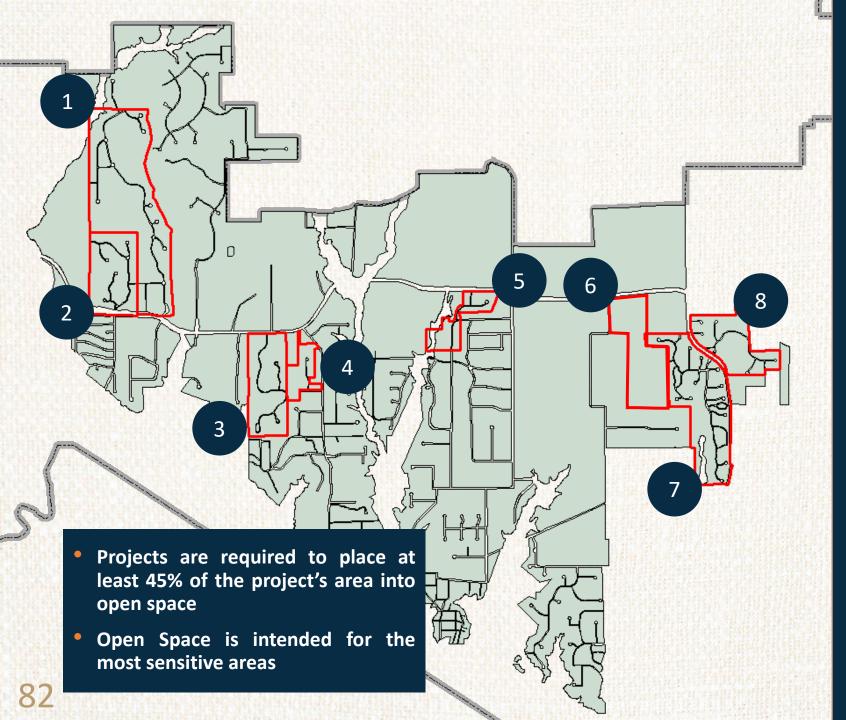
- ► Long Range Planner
- ► Town of Flower Mound

### Joe Whiteley

- ► Environmental Review Analyst
- ► Town of Flower Mound







## Conservation-type Developments

#### 1. Montalcino - Conservation

- 103 lots on 280.6 acres
- Approved on March 1, 2010

#### 2. Pepper Creek Ranch – Cluster

- 50 lots on 94.61 acres
- Approved on May 21, 2018

#### **3. Chimney Rock** – *Conservation*

- 51 lots on 103.7 acres
- Approved on December 16, 2002

#### 4. High Meadow – Conservation

- 15 lots on 32.38 acres
- Approved on August 19, 2013

#### **5.** Hillside of F.M. - Cluster

- 28 lots on 46.22 acres
- Approved on September 21, 2015

#### **6.** Townlake Ph 5/6 - Cluster

- 65 lots on 107.26 acres
- Approved on April 4, 2022

#### **7. Townlake 1/2/3** - *Cluster*

- 105 lots on 170.96 acres
- Approved on April 20, 2015

#### **8.** Townlake 4 - Cluster

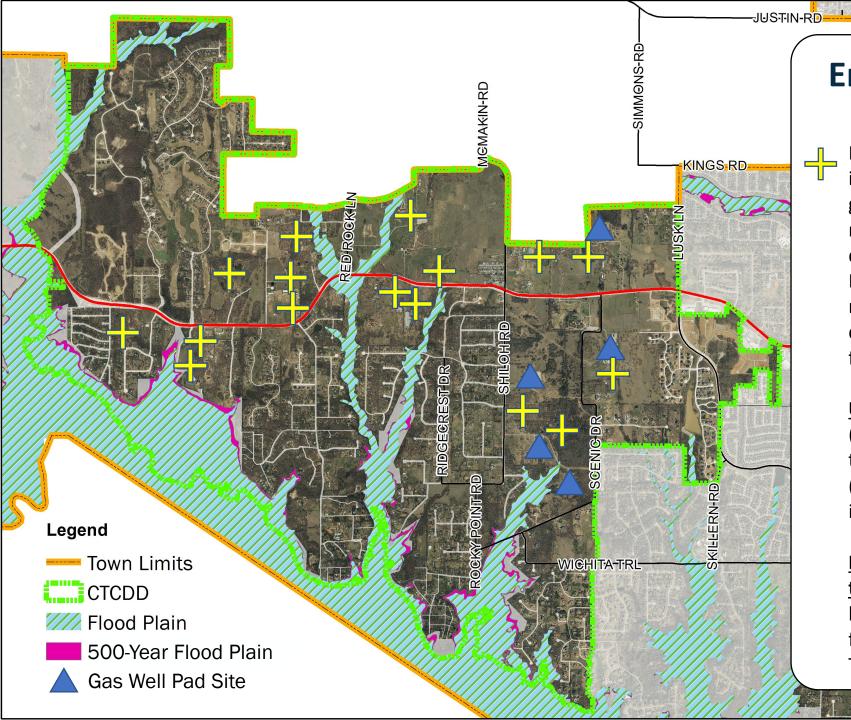
- 56 lots on 89.92 acres
- Approved on October 1, 2018

# **Environmentally Sensitive Areas**

Possible <u>water impoundment</u>, which includes existing ponds with a surface area greater than 0.5 acres. Water impoundments must be integrated into a proposed development and be addressed in an Environmental Protection Plan. An exception may be approved by Town Council if the development wishes to eliminate or alter flow to an impoundment area.

<u>Upland habitat</u>, which are 10-acre (minimum) tracts of land with at least 50 trees per acre containing a predominant (more than 30%) matrix of tree species identified on the Town's protected tree list.

<u>Heavily-treed properties and specimen</u> <u>trees</u> identified on a tree survey are not to be cut down, destroyed, or removed without first obtaining proper permission from the Town.



#### 2. Street Buffer Open Space

- Street Buffer \_\_\_\_\_
  - a) Description:
    - i) <u>Location</u>: Areas included are the 50'-0" Landscape buffer along Cross Timbers Road, Scenic Drive, and Walsingham Drive, as well as Block E, lots 2X and 3X
    - ii) Street buffer land shall include a 30'-0" pipeline easement, a 20'-0" H.O.A. Maintenance easement, and a varying width drainage easement.
    - iii) Street buffer area shall include an existing 8'-0" concrete trail, Primary Entry Monuments, Enhanced Landscape, Required Street Trees, and Split Rail Fencing.
    - iv) Street buffer area is comprised of approximately 6.306 acres (274,708.26 SF)
  - b) Maintenance:
    - Street buffer open space and amenities will be maintained by the developer initially, then by the H.O.A., as outlined in the dedications and restrictions. Service and repairs of all the items listed above.
  - c) Uses:
    - Street buffer will be open to the public to contribute to the aesthetic rural vistas as well as for use of the 8'-0" hike and bike trail located along Cross Timbers Road, Scenic Drive, and Walsingham Drive.

#### 6. Native Prairie Habitat

- 1) Native Prairie Habitat
  - a) Description:
    - i) <u>Location</u>: Open prairie (Lacking Trees) sections of Lot 1X, Block A and B; Lot 1X, Block D; and the southen section of Lot 1X, Block E which includes Native Prairie Habitat.
    - ii) These meadows presently have primarily coastal Bermuda grass.
    - iii) Native Prairie Habitat areas comprise approximately 17.283 Acres (752,833.9 SF)
  - b) Maintenance:
    - i) Option 1: Keep as Bermuda for low maintenance open space.
    - ii) Option 2: Control burn to remove the current Bermuda. Then addition of native mix groundcover like buffalo grass, other native grasses, native wildflowers, and other approved seed mixes shall be seeded seasonally.
    - iii) The developer and H.O.A. to create a schedule to coincide with appropriate seasonal timing. Developer and H.O.A. to seek consultant supervision and information over appropriate seeding measures and specifications.
  - c) Uses:
    - i) The rural pastoral open space vistas will be significant and the homeowners and their guests may enjoy these areas for picnics, parties and passive recreation.
    - ii) Interpretive signage is recommended for native plants along trails for education and interest.

#### 3. Existing Woodland Upland Habitat

- 1) Woodland Upland Habitat
  - a) Description:
    - i) <u>Location</u>: The forested section of Lot 1X, Block A; The forested section of Lot 1X, Block B; The forested section of Lot 1X, Block E; Lot 1X, Block C; and Lot 2X, Block A.
    - ii) Outcrop of existing Wooded open space with trees covering 20%-100% of the included lots.
    - iii) Majority of the existing Wooded Upland Habitats are comprised of Post Oaks and Cedar Elms.
    - iv) Other mentionable species on site included American Elms, Eastern Red Cedars and Black Jack Oaks.
    - v) Wooded open spaces make up approximately 23.668 Acres (103,1005.26 SF).

#### b) Maintenance:

- i) This Open Space will remain with all wildlife habitats undisturbed\*.
- ii) Gas well site will be under the supervision of the gas well site owner and act as a buffer.
- iii) Heavily treed areas will be under the supervision of an ISA certified arborist retained by the Developer and/or the H.O.A.
- \*To the extent improvements to the existing stock pond located on Lot 1X, Block A are needed or required, improvements will be appropriately permitted and constructed in such a manner minimizing impacts to the existing surrounding habitat and wetlands. The pond maintenance will include a mix of biological, chemical, or mechanical methods as required and directed by a certified fisheries professional.

#### c) Uses:

- i) In coordination with the Private Meadows Open Space, the Wooded Upland Habitat areas will contribute to buffering the sound of the active gas system adjacent to the residences.
- ii) The approved and finalized areas of the gas well easement shall be open to the homeowners and their guests to enjoy these areas for hiking, wildlife observations, and passive recreation.
- Identifies all open spaces, maintenance requirements, and allowed uses
- Approved as part of the zoning application
- Filed with the County as part of the HOA CCRs

### Scenic Corridors

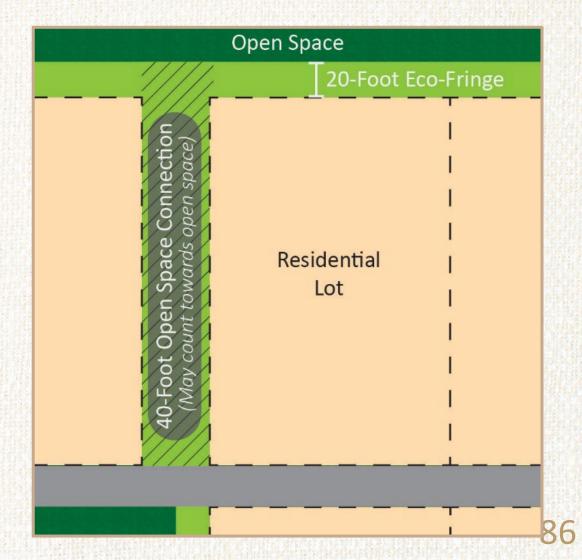
- Described as "land visible from scenic or country roads, and that possesses natural elements indicative of a country atmosphere or natural environment."
- Minimum 200-foot scenic corridor buffer requirement along the scenic roadway
- Generally owned by the HOA
- Requirements of land maintenance provided within the Open Space Management Plan



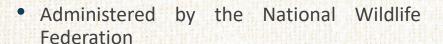


### **Eco-Fringe Buffers**

- Applicable to residences adjacent to open spaces
- Requires buffers to extend at least 20 feet from residential property line
- Eco-fringe is intended to be maintained, but provides for areas to be considered no-mow zones



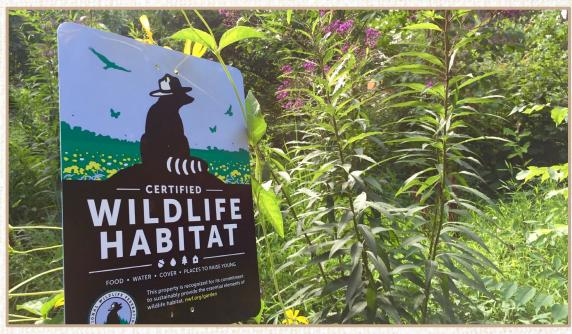
### Community Wildlife Habitat Program



- Communities work toward certification by certifying properties as wildlife habitats.
- Properties are assigned point values based on their type. (Residence, park, school, etc.)
- Individual properties must meet five requirements to be certified as habitats. (Food, water, cover, place to raise young, and sustainable gardening practices.)

#### Outreach

- Points toward certification are added for meeting outreach and education benchmarks.
- Educational opportunities include booths and tabling events discussing benefits of sustainable gardening, water conservation, native plantings, no-mow zones, etc.











## Questions?



## Wrap-Up

- If you submitted an RSVP for this webinar, you will receive an email with the presentation slides and a subsequent email with a link to the recording.
- All webinar slides and recordings are posted on NCTCOG's website under the green banner, "Webinars" here:

https://www.nctcog.org/envir/natural-resources/water-resources

If you did <u>not</u> RSVP and would like these webinar materials, please email <u>eberg@nctcog.org</u>.

## Webinar Survey

➤ Please provide your feedback on today's webinar in this 4question survey. Thank you!

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#### **North Central Texas Council of Governments**

## Thank you for attending!

NCTCOG Webinar February 22, 2023

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