

Guess What? We're #1 for Wildlife!

NWF Honors America's Top 10 Cities for Wildlife

"America's most wildlife-friendly cities are located in every corner of our nation."

03-09-2015 // Miles Grant









Which American cities are going above and beyond the call of duty to protect America's wildlife? The National Wildlife Federation is honoring the Top 10 Cities for Wildlife whose citizens have the strongest commitment to wildlife as part of our celebration of National Wildlife Week 2015.

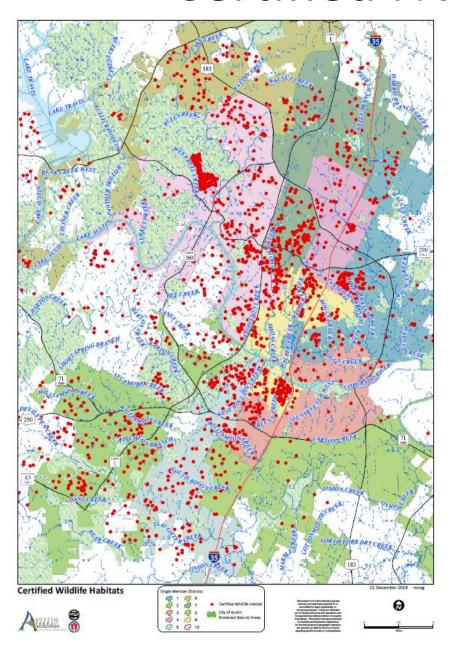
"America's most wildlife-friendly cities are located in every corner of our nation from sea to shining sea," said Collin O'Mara, president and chief executive officer of the National Wildlife Federation, "The common thread between these cities is that citizens are coming together for a common purpose - to create a community where people and wildlife can thrive."



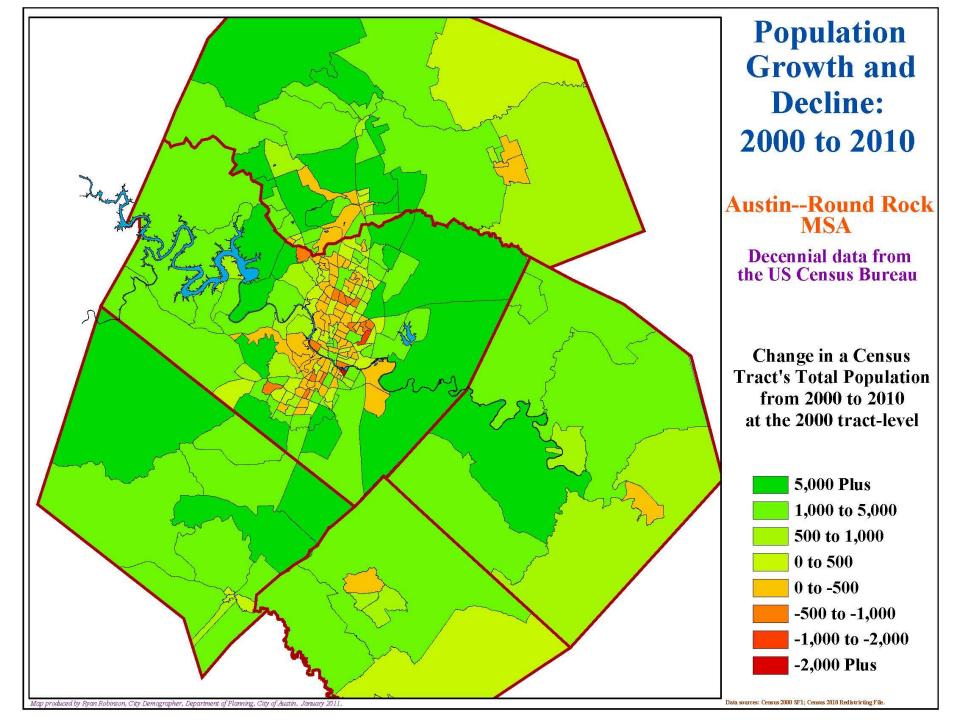
The National Wildlife Federation ranked America's largest cities based on three important criteria for wildlife - the percentage of parkland in each city, citizen action to create wildlife habitat, and school adoption of outdoor learning in wildlife gardens. The top cities are found in every region, from Seattle's temperate rainforest to Albuquerque's arid desert:

- 1. Austin, Texas Austin is a clear-cut choice as America's best city for wildlife, boasting the most Certified Wildlife Habitats (2,154), most Certified Wildlife Habitats per capita, and most Schoolvard Habitats (67). Famous for its Congress Avenue Bridge that's home to 1.5 million bats, the city of Austin is certified as a Community Wildlife Habitat. Its residents not only want to Keep Austin Weird - they're the best in America at keeping their city wild.
- 2. Portland, Oregon The Rose City boasts America's most Schoolyard Habitats per capita, With more than 8,200 acres of natural parkland certified salmon safe and a commitment to provide nature areas within a half-mile of every Portlandian, the dream of a wildlife-friendly city is alive in Portland.
- 3. Atlanta, Georgia The City in a Forest ranks highly across the board, coming in #3 in total Schoolyard Habitats (54), #2 in Schoolyard Habitats per capita, and #2 in Certified Wildlife Habitats per capita.
- 4. Baltimore, Maryland Charm City's commitment to conservation education shines through with the second-most Eco-Schools in America (73), and a #3 ranking in Schoolyard Habitats per capita, Baltimore's 5,700 acres of parkland include the Gwynns Falls/Leakin Park, the second-largest urban wilderness in the U.S.
- 5. Washington, District of Columbia Ranked third in parkland as a percent of city area, DC's efforts to protect and preserve parkland have helped restore America's previously-endangered bald eagles and are now luring osprey back to the Anacostia River.

Certified NWF Habitats



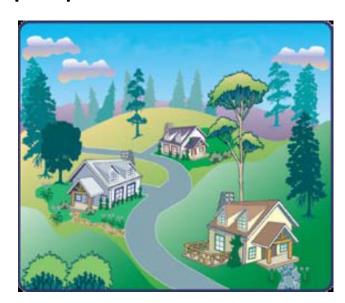
- 106 new Certified Wildlife Habitats in 2014
- 2154 Certified Wildlife Habitats in Austin total!



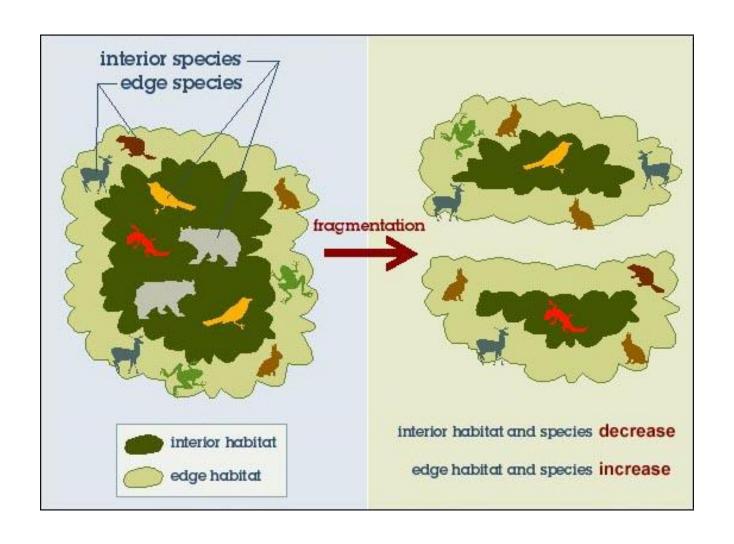
OVERVIEW

- Much of the population growth is flowing into traditionally natural areas
 - This has created the wildland/urban interface
 - This encroachment into forests, grasslands, and farms have put lives and properties at risk

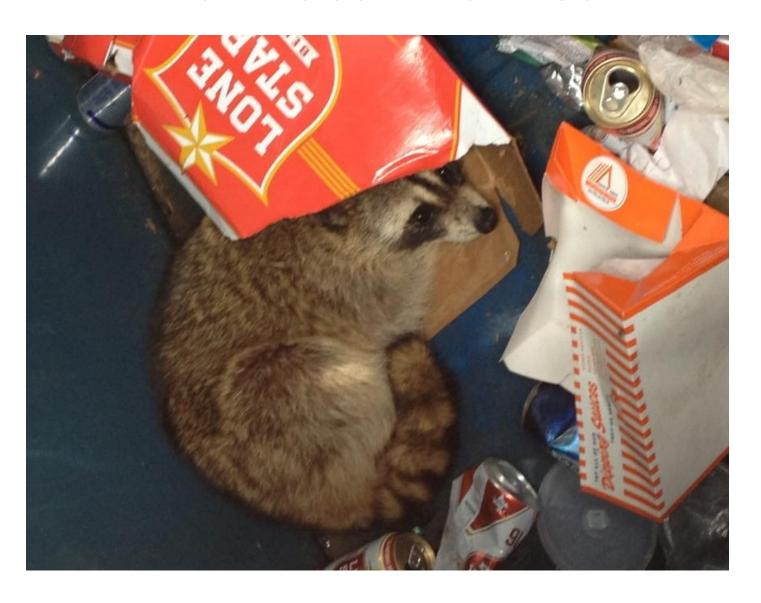




Habitat Fragmentation



What Does This Mean?

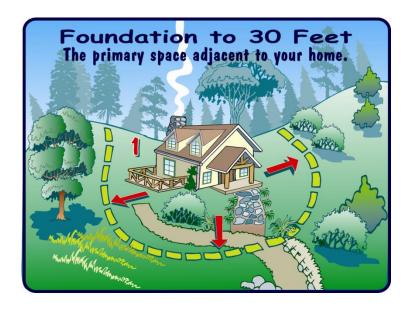


If you're in the WUI... think wildfire mitigation!

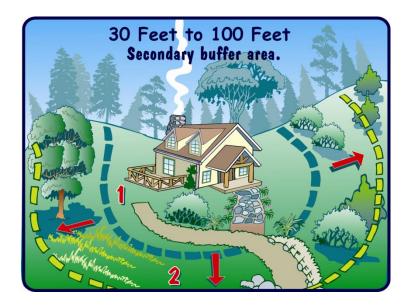




- Within 30 feet from the home:
 - This area should be wellirrigated, pruned, and fertilized
 - Make use of drought resistant native plants



- Within 30 to 100 feet from the home:
 - Establish vegetation consisting of plants that are low growing, well-irrigated, and less flammable
 - Tree can exist in this area,
 with a distance of 10 feet
 between crowns



- Beyond 100 feet from the home:
 - Vegetation should be thinned out and heavy accumulations of debris (dead wood or branches) should be removed
 - Canopies of tall trees should not be touching



- Fires start and burn rapidly in fuels like grasses
 - This provides a path for trees to burn
- Topography is an important consideration for landscaping
 - Slope is important to a wildfire's spread
- Regional weather patterns, such as wind, are important to keep in mind
- Wildfires are cyclic in nature, so the local fire history is important when landscaping

DESIGN AND INSTALLATION

Elements of Landscaping

- Function- most important factor
 - The function of the landscaping and how it will serve the individual should be a primary concern, and well as proper maintenance
- Fit with nature and locale
 - The landscaping needs to fit in with nature and the environment
- Financial considerations
 - The landscaping needs to be affordable to the owner
 - Most importantly, maintenance must be kept up with for the lifetime of the home
- Fun, aesthetics, and beauty
 - The landscape needs to look appealing
 - Balancing nature, human needs, and safety

DESIGN AND INSTALLATION

- Landscaping design is one of the most important factors in a home's survival
- Consider these fire safety issues:
 - Location of the home on the lot
 - If the home is located on a steep slope
- Information on the terrain, native vegetation, winds, seasonal weather, and the history of wildfires will contribute to the design and instillation
- Firewise landscapes use metal fencing materials to reduce flammability.
 Grow vines on a metal fence to create a "Green Fence" which could help stop a wildfire.

Site Analysis of Property and Structures-





Plant Selection

- Characteristics of fire resistant plants are:
 - Low amount of duff
 - High water retention/moisture content (such as vines)
 - High salt retention
 - Large leaves
 - Lack of aromatic oils
 - Low fuel volume
 - Height and spread that fits in the area





Fire Resistance in Plants

Fire Resistant Ground Covers

Common Name Botanical Name Ajuga * Ajuga reptans Basket-of-gold Aurinia saxatilis Caucasica sage Artemisia caucasica Creeping phlox Phlox subulata Creeping thyme Thymus praecox Giant flowered so apwort Saponaria x lempergii Green mat penstemon Penstemon davidsonii Ground cover rose Rosa hybrid Hardy plumbago * Ceratostigma plumbaginoides Hens & chicks Echeveria spp. Hummelo lamb's ear Stachys monieri 'Hummelo' Japanese pachysandra * Pachysandra terminalis Lamb's ear Stachys byzantina Lily-of-the-valley * Convallaria matalis Mat penstemon Penstemon caespitosus Mother of thyme Thymus serphyllum Pink iceplant Delosperma cooperi Poppy mallow Call irhoe in volucrata Pussytoes Antennaria spp. Rock soapwort Saponaria ocymoides Rockcress Arabis spp. Silver edged horehound Marrubium rotundifolium Snow-in-summer Cerastium tomentosum Turkish speedwell * Veronica liwanensis Need some shade *

- All plants are flammable, but some plants are more fire resistant than others.
- It is best to avoid plants such as sage, pine and juniper which contain volatile oils or resins and are extremely flammable.
- Plants should also be drought tolerant (think NATIVE!), and have deep roots

Placement and Grouping

- Plants should be widely spaced in the zone 50-200 feet from the house
- Vegetation within 30 feet of the house should be less than 18 inches high and watered regularly
- Use barriers like driveways, walks, and masonry walls to retard fires
 - Stone "fire breaks"
 - No continuous wooden fence
 - (no "wick" for the fire)



Placement and Grouping

- Native flowers and shrubs can be placed in the zone 30 feet from the house and should be well spaced and maintained
 - Feeders for squirrels, hummingbirds, and butterflies are a good substitute
- Larger native trees can be placed outside the 30 foot zone and should be trimmed regularly so the canopies do not touch
 - Any dead trees and downed limbs should be disposed of properly

MAINTENANCE

- Proper maintenance is key to keeping landscaping Firewise
- Pruning, watering, and plant health are the most important elements
- Remember these important points about maintenance:
 - Brush and cuttings should be properly disposed of
 - Clean under decks and porches
 - Fertilizing is also important for maintaining healthy landscapes
- Shrubs should be well placed to break up the fire ladder
- Remove and mow dry grass and weeds

MAINTENANCE

Before Fire Season

- Remove pine needles and leaves from the roof, gutters, and the ground
- Prune trees 6 to 10 feet from the ground
- Remove any dead wood
- Dispose of yard clippings and debris

During Fire Season

- Mow regularly and dispose of clippings
- Store and use flammable liquids properly
- Use fertilizers properly





A wildlife friendly habitat should include food, water, shelter, and a place to raise their young.

CREATE A WILDLIFE FRIENDLY HABITAT

... Encourage Certification



- According to NWF you need 5 things to get a property certified:
 - Food Seeds, Nectar, Fruit (provided by native plants)
 - 2. Water Bird bath, Pond, Backyard Creek
 - 3. Shelter Thickets, Rock Piles, etc.



- 4. Places to Raise Young Large Trees, Host Plants, Nesting Boxes
- 5. Sustainable Gardening Practices Mulching, Compost, etc.

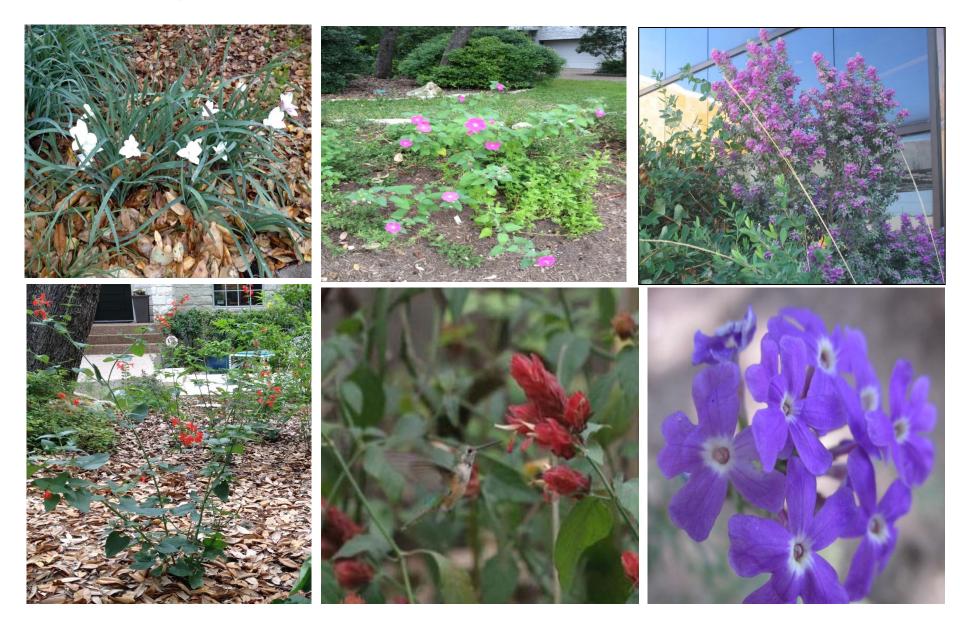








Incorporating Native Food Sources



Incorporating Water











Incorporating Cover



Places to Raise Young





Sustainable Gardening Practices











Getting Certified...

How it works...

Certify new backyard habitats through the National Wildlife Federation certification (contact wildlife@austintexas.gov for a pre-paid application form worth \$20)

your community. Do your b if something is missing. If y personalized certificate su National Wildlife Federatio National Wildlife magazine	wildlife friendly space in your yard, school, or anyw pest to answer the questions and we'll make sugge your habitat meets the requirements, you'll receive itable for framing and become a member of the n (a \$20 value), receiving our award-winning pers on December 31, 2013.	estions WILDLIFE
	pires on December 51, 2515.	Cultural Places, Natural Spaces
Have you ever certified bet	fore? Yes No If yes, what is you	ur habitat #?
If yes, have you moved	or is this for a second property?	PRE-PAID BWI2VAUS
If you are filling out this ap	plication for someone else, please write their nam	e in the space provided below:
Name	Organization (if applicable)	
Name(s) to Appear on Cert	ificate (if different from above)	
Address of Habitat	Maximu	im 30 characters, spaces included.
City	State/Province	Zip Code
Add A		





Landscape Principles for Wildlife

Encourage Diversity

Use Layers

Pay Attention to Edges

Use Native Plants

Diversity

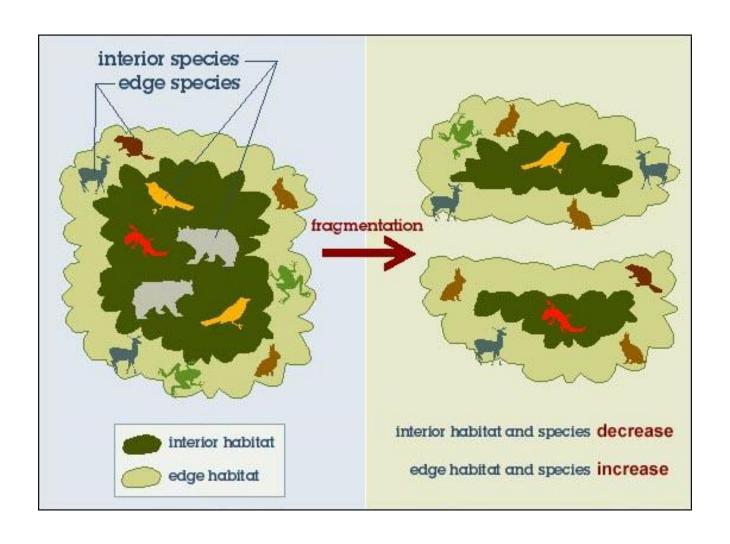
Figure 1. A habitat with variety-or diversity-means wildlife will have more to choose from, so they are more likely to find what they need. Habitat diversity allows more animals to successfully coexist in your yard.



Low habitat diversity equals fewer wildlife species

High habitat diversity equals more wildlife species.

Edges



Layering and Edges

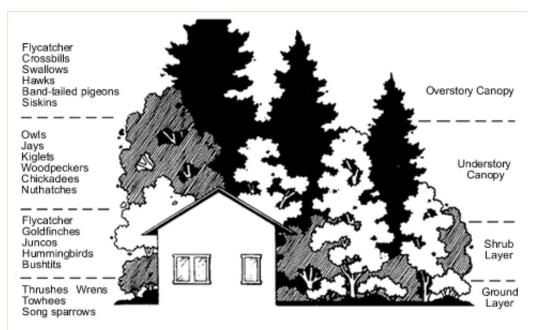
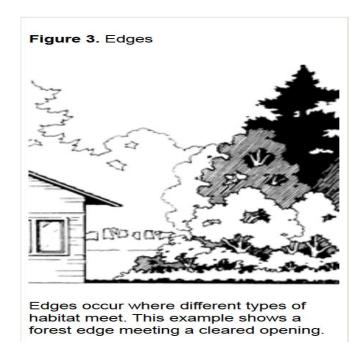
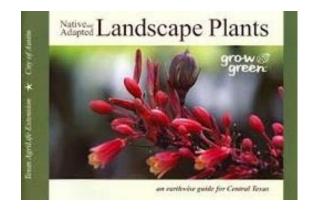


Figure 2. Different species of wildlife, especially birds, live at different heights in the vegetation. Having many layers of vegetation in your landscape allows wildlife to select the layer to which they are best adapted for survival. Missing plant layers equals missing wildlife species.





How to Help?



- Use Native/Adapted Plants
- Choose Plants with diverse colors
- Choose flowers with different shapes and sizes
- Select plants with varying heights and growth habits and flowering times
- Include plants that provide for butterfly larva as well as nectar and pollen producing flowering plants

Native Plants

- Native—plants here prior to European settlement
- Adapted—plants that arrived after European settlement but have adapted to this region.
- Invasive— plants the spread aggressively outside of its native habitat
- Exotic—opposite of native
- Exotic Invasive-- plants spread aggressively outside of its native habitat.

- American Beautyberry Callicarpa americana
 - Grows well in moister conditions
 - Good shade plant
 - Beautiful berries in late summer/fall
 - Great for wildlife!







- Coralberry Symphoricarpos orbiculatus
 - Does well in moist soil
 - Has beautiful magenta berries in the fall and winter
 - Great option for ground cover
 - Great for birds





- Fall Obedient Plant Physostegia virginiana
 - Very tolerant of most soil types
 - Great nectar source
 - Can be aggressive but easy to keep in check





- Big Muhly Muhlenbergia lindheimeri
 - Well-behaved clump grass
 - Needs little water
 - Beautiful fluffy seed heads in the fall







Other plants to consider...

- Milkweed Asclepias sp.
 - Several species to chose from
 - Generally flowers earlier but the tropical kind is still going
 - Provides food to monarch caterpillars
 - Great to have in your garden year round!







Other plants to consider...

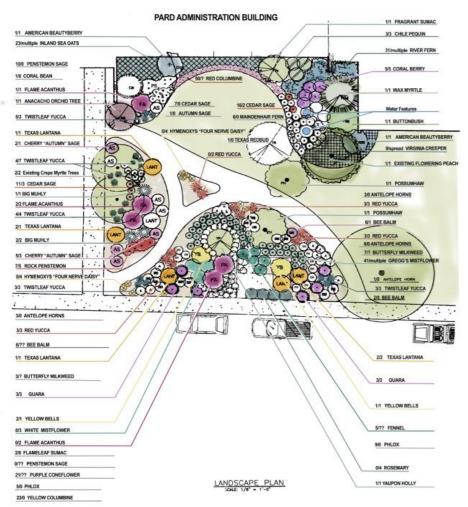
- Sunflowers *Helianthus* sp.
 - Generally bloom earlier
 - Seed heads have great wildlife value!







Examples and Resources





Join Our Fall Habitat Steward / Urban Forest Steward Training

September 12th -October 17th - and the first class is free!

http://www.austintexas.gov/department/wildlife-austin

You'll Learn About:

- How to Create Wildlife Friendly Habitats
- Native and Invasive Plants
- Landscape Design Principles
- Water Conservation
- Riparian Restoration Techniques
- Beneficial Insects
- Community Stewardship
- Schoolyard Habitat Projects
- Native and Local Wildlife
- Invasive Plant Ecology and Management
- Riparian Habitat Restoration
- Tree Care and Tree Diseases
- Tree ID and Common Tree Pests
- Cost: \$59 for Habitat Steward Track, \$99 for Urban Forest Steward Track,
 \$125 for both!







