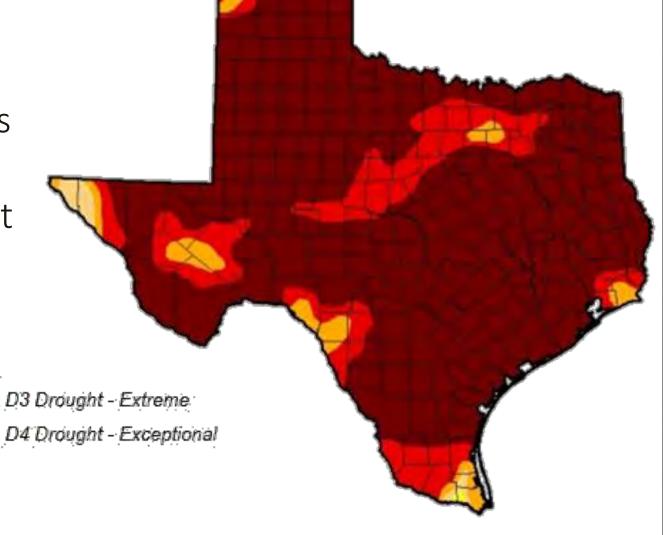
Texas Drought Conditions August 30, 2011

Nearly 99% of Texas was in Severe-Exceptional drought at this time



Intensity:

D0 Abnormally Dry

D1 Drought - Moderate

D2 Drought - Severe







SHELTER

Complex, multi-level vegetation structure provides for birds' needs throughout their lifecycle









Nocturnal Migrants & Urban Lights

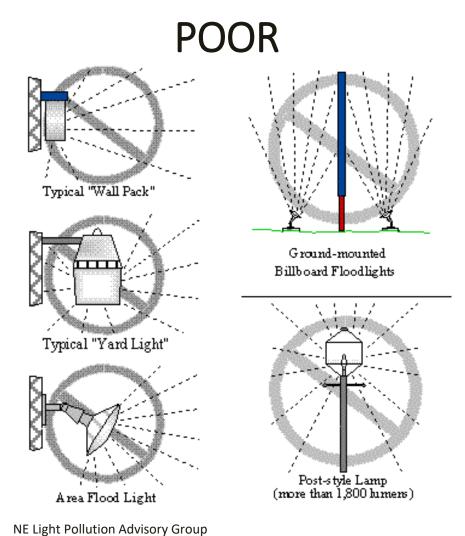
- Lights Out initiatives
 - –New York City, Chicago, SanFrancisco, Toronto, ColumbusOH, Minneapolis/St. Paul
 - Minnesota: all state-owned & leased buildings must adhere to lights-out during migration
- Dark Skies lighting
- Recessed and shielded lighting can reduce light pollution

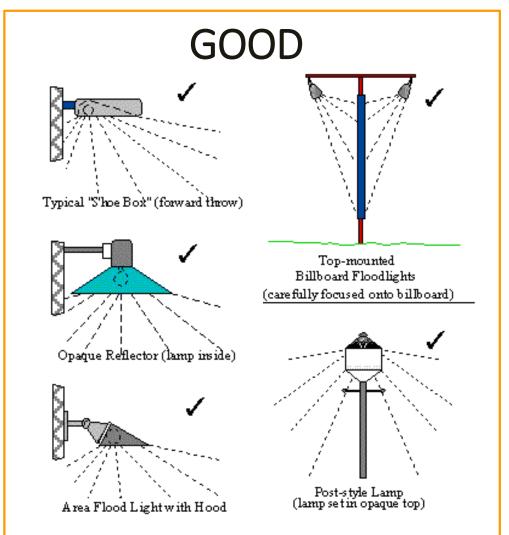




Examples of Common Lighting Fixtures

SAFETY









Health » Diet + Fitness | Living Well | Parenting + Family

Live TV

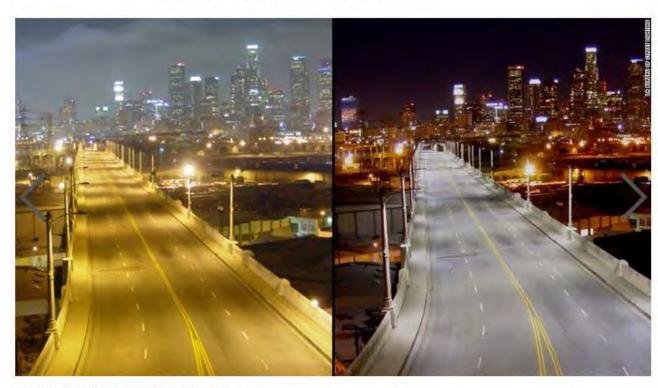
S.E

Doctors issue warning about LED streetlights

THE CONVERSATION

By Richard G. "Bugs" Stevens, The Conversation

① Updated 2:00 PM ET, Tue June 21, 2016



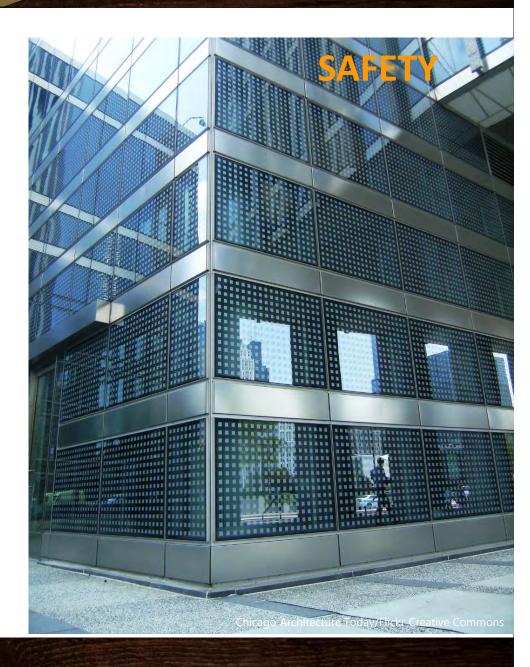
Photos: Los Angeles LED streetlights



Bird Friendly Buildings

Strategies for making glass and building design safer for birds.

- New design
- Retrofit existing glass
- Reduce reflectivity
- Increase visibility of glass to birds



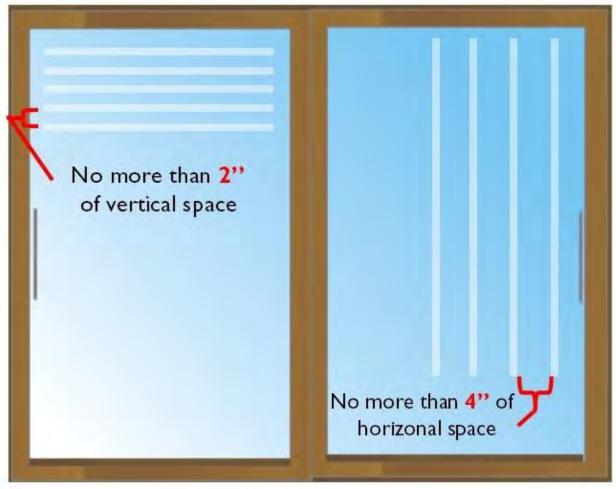


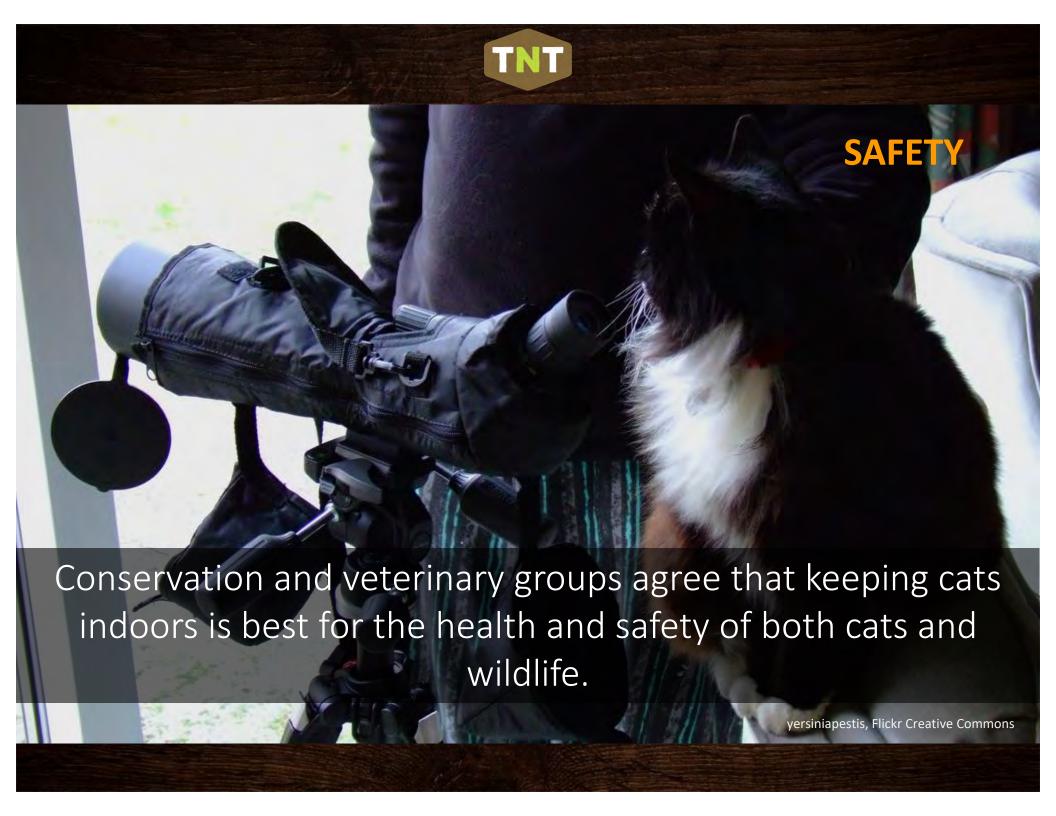
Preventing Window Strikes

SAFETY

The 2 x 4 Handprint Rule













Texas provides vital habitat to wintering grassland birds

Sparrows (over 80% sp.)

Of 42 sparrow species in North America, 34 are found in Texas during the winter

Ducks (Over 60% sp.)

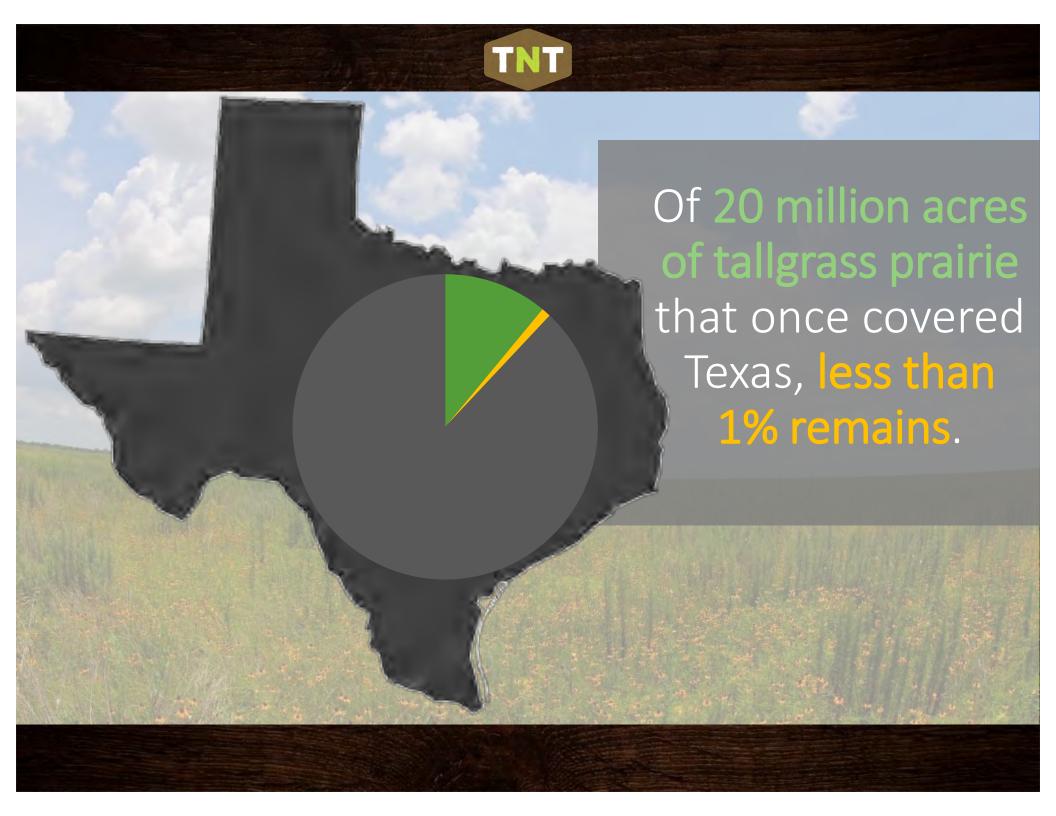
Of 36 species in NorthAmerica, 23 are found inTexas during the winter







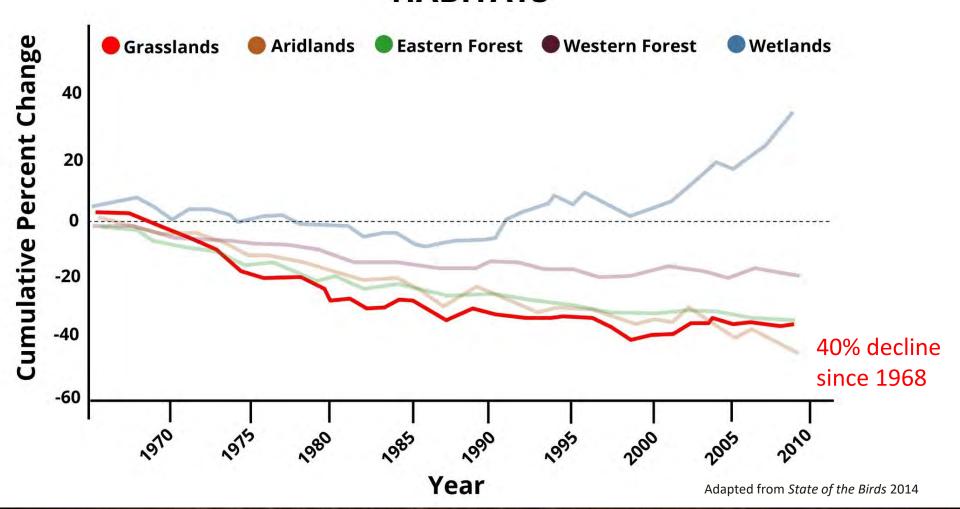






Grassland birds have some of the most dramatic and sustained declines

BIRD POPULATION INDICATORS IN FIVE INLAND HABITATS

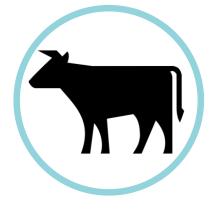




Prescribed Fire



Brush Management



Prescribed Grazing



Native Grass Restoration



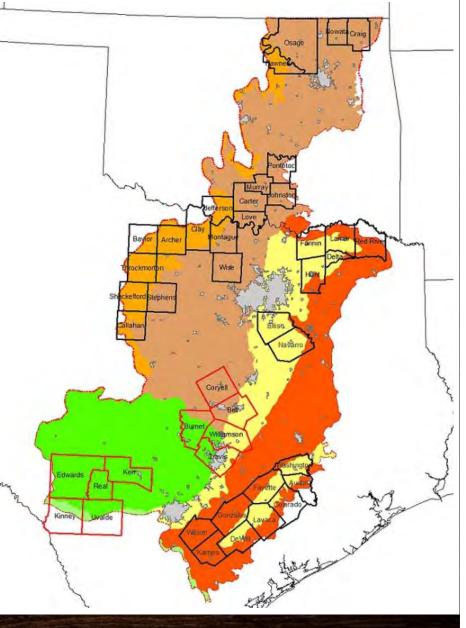
Grassland Bird Habitat



www.opjv.org



Grassland Restoration Incentive Program (GRIP) is a multi-organization effort aimed at achieving OPJV grassland bird objectives in focus areas throughout Texas. GRIP provides funding in the form of direct payment to landowners as an incentive for conducting approved grassland bird habitat improvement practices on their property.



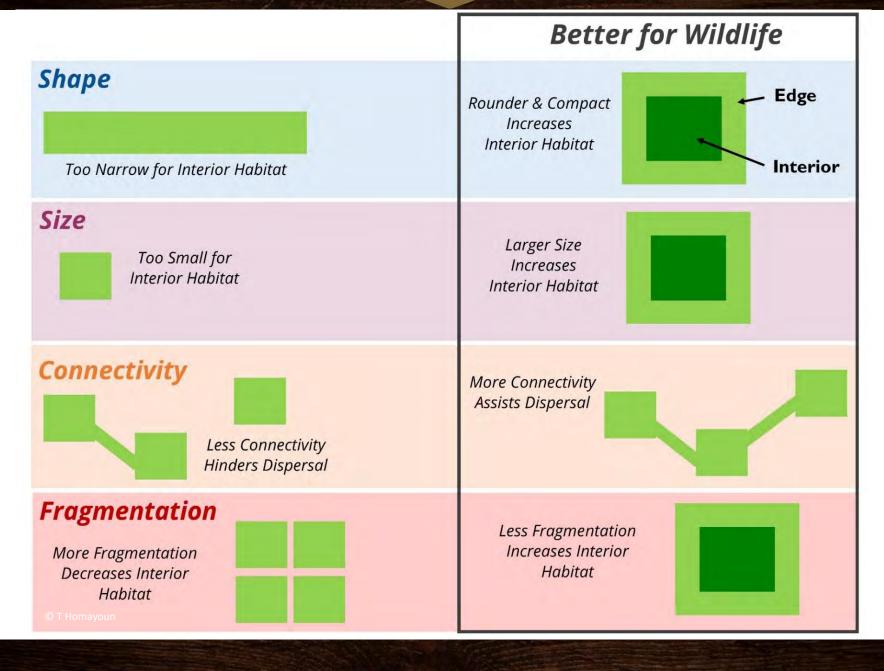


"What" & "When" Matter: Creating a Habitat Mosaic



Timing and frequency of disturbance regimes can result in different outcomes in different native ecosystems & on existing land cover.







On the landscape, we can help birds by:

- Preserving larger intact parcels of land for breeding and wintering birds
- Restoring and connecting smaller scattered parcels as stopover habitat for migrating birds





At the policy level, communities can help birds by:

- Supporting bird-friendly ordinances & legislation
 - -"Dark skies" initiatives to reduce light pollution
 - –Pesticide/herbicide limits
- Supporting sustainable funding for wildlife & habitat management and implementation of Conservation Action Plans

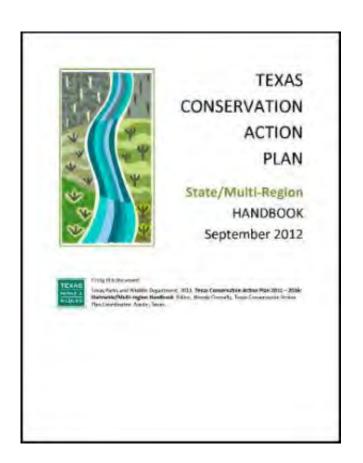




Texas Conservation Action Plan

- Every state has a plan to address their Species of Greatest Conservation Need
- More than 15,000 SGCN nation-wide
- More than 1,300 SGCN in Texas

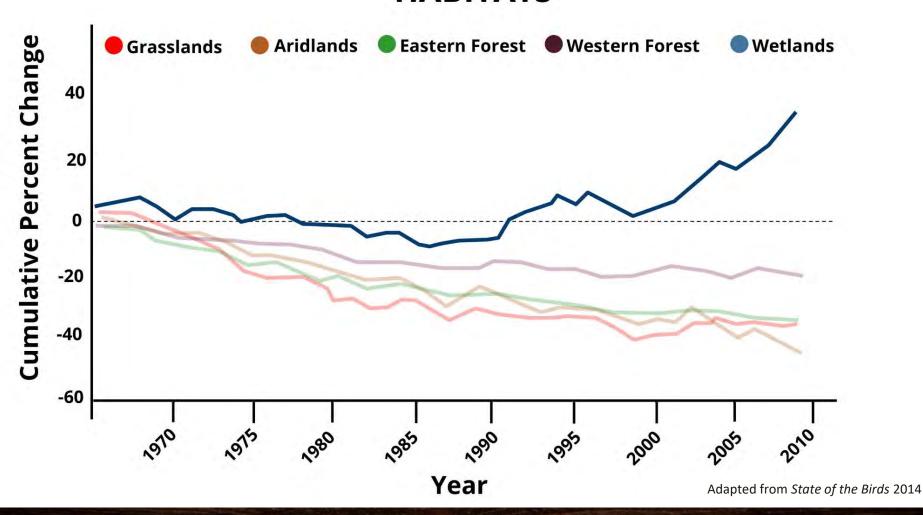
 Texas Conservation Action Plan provides a roadmap to recover our species of concern





Recovery of wetland birds shows impact of targeted habitat restoration

BIRD POPULATION INDICATORS IN FIVE INLAND HABITATS



Recovering America's Wildlife Act (HR 4647)



- Blue Ribbon Panel on Sustaining America's Diverse Fish & Wildlife Resources tasked with finding mechanism to sustainably fund the conservation of ALL fish and wildlife
- Reps. Fortenberry (R-NE) and Dingell (D-MI) introduced HR 4647 in Dec 2017
- Allocates up to \$1.3B annually from existing federal mineral & energy royalties into Wildlife Conservation Restoration Program
- Dedicated to implement State Wildlife Action Plans to fund SGCN
- Texas could receive \$60M annually



Get Involved, Stay Informed



Teaming with Wildlife: True to Texas has rebranded as the Texas Alliance for America's Fish & Wildlife

- 106 organizations
- 1,000,000+ members
- Outreach & information about the pending Recovering America's Wildlife Act legislation



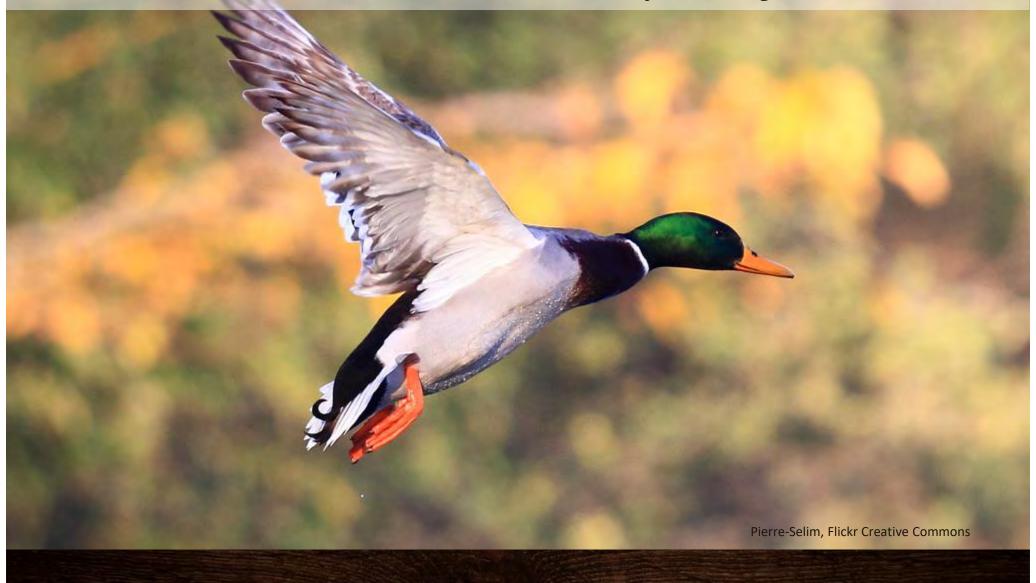


Connecting people to birds & bird conservation





Birds are Boundary Objects











Peter Firminger, Flickr Creative Commons