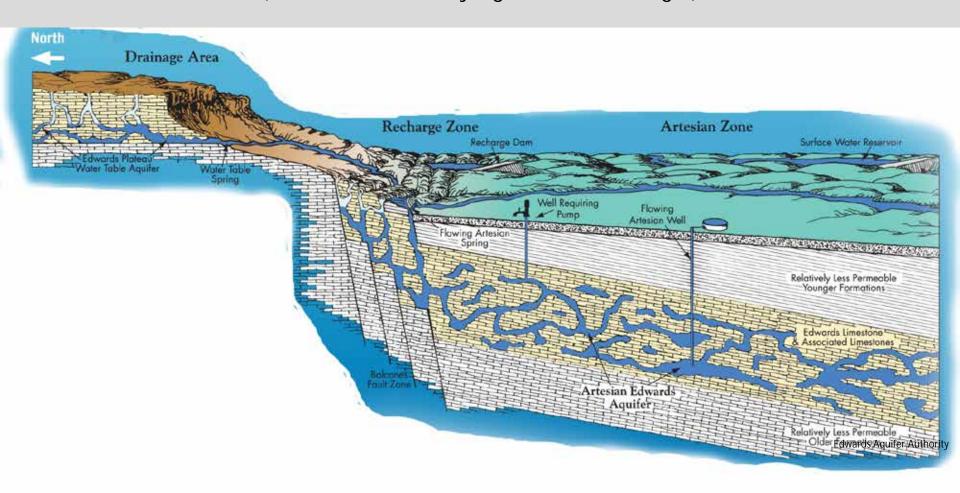


'Dormant Seeds' (i.e. We've been laying around waiting...)



Fort Worth does not have immediate pressing issues (aquifer, endangered species) to accelerate a climate for more progressive & aggressive change (like Austin/San Antonio).

'Dormant Seeds' (i.e. We've been laying around waiting...)

Fort Worth is now involved in various landscape-scale projects:



Trinity River Vision



Lake Worth Greenprinting

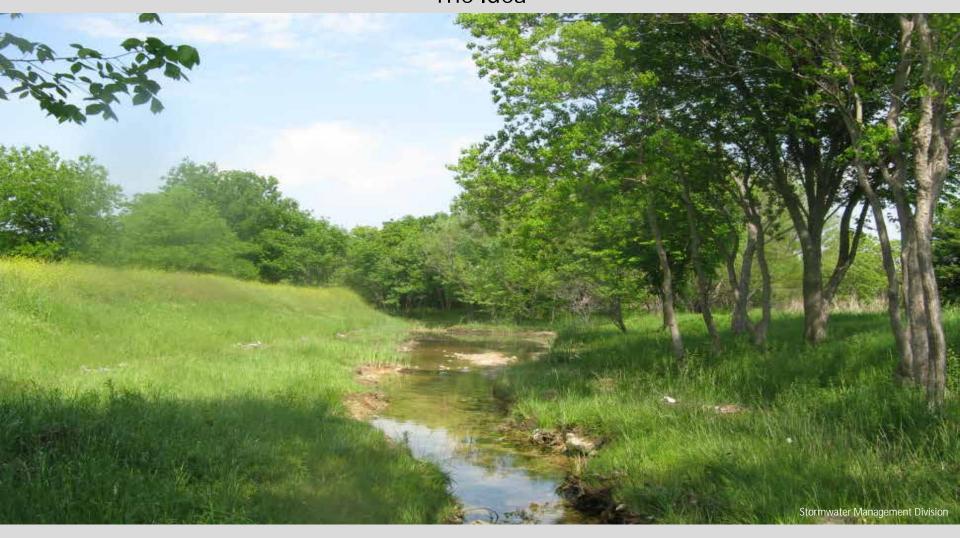
'Stirring up the Soil'





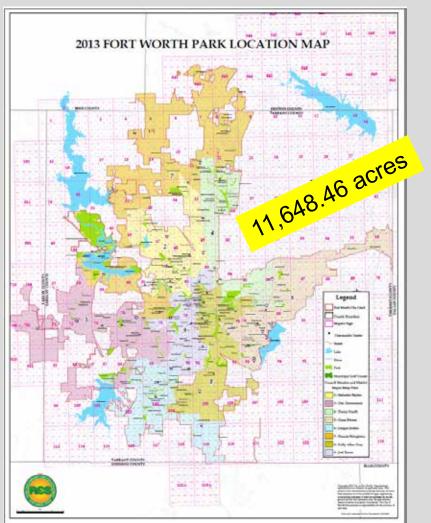
A conversation at a TCU Riparian Workshop...

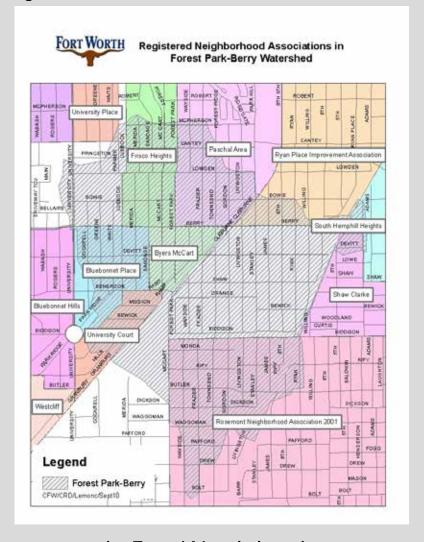
'Planting the Seed' The Idea



Introduce native prairie grasses & flowers in select drainage easements following reconstructive maintenance efforts with the goal of reducing future maintenance needs while providing environmental & aesthetic benefits to the community.

'Planting the Seed' Potential Acreage





Collaboration between two of the major land managers in Fort Worth has important implications for: other channels, watercourses, parks, highways, medians, other public spaces, residential & commercial properties.

'Bad Seeds' Standard Practices: Seeding

Bermuda Grass \$227/bag 25#/acre of bermuda 25#/acre of perennial winter rye = \$174/acre

Table 3.12 Classification of Vegetal Covers as to Degrees of Retardance		
Retardance Class	Cover	Condition
A	Weeping Lovegrass	Excellent stand, tall (average 30")
	Yellow Bluestem Ischaemum	Excellent stand, tall (average 36")
	Kudzu	Very dense growth, uncut
	Bermuda grass	Good stand, tall (average 12")
	Native grass mixture Little bluestem, bluestem, blue gamma other short and long stem Midwest grasses	Good stand, unmowed
В	Weeping lovegrass	Good stand, tall (average 24")
	Laspedeza sericea	Good stand, not woody, tall (average 19")
	Alfalfa	Good stand, uncut (average 11")
	Weeping lovegrass	Good stand, unmowed (average 13")
	Kudzu	Dense growth, uncut
	Blue gamma	Good stand, uncut (average 13")
С	Crabgrass	Fair stand, uncut (10 - 48")
	Bermuda grass	Good stand, mowed (average 6")
	Common lespedeza	Good stand, uncut (average 11")
	Grass-legume mixture: summer (orchard grass redtop, Italian ryegrass, and common lespedeza)	Good stand, uncut (6 – 8")
	Centipede grass	Very dense cover (average 6")
	Kentucky bluegrass	Good stand, headed (6 - 12")
D	Bermuda grass	Good stand, cut to 2.5"
	Common lespedeza	Excellent stand, uncut (average 4.5")
	Buffalo grass	Good stand, uncut (3 - 6")
D	Grass-legume mixture: fall, spring (orchard grass, redtop, Italian ryegrass, and common lespedeza)	Good stand, uncut (4 – 5")
	Lespedeza sericea	After cutting to 2" (very good before cutting)

City of Fort Worth
iSWM Criteria Manual for
Site Development and Construction
August 1, 2012

Standard Practices: Typical Urban Creeks & Stormwater Drainage Channels





ØLow biodiversity

ØNo healthy connectivity

ØLow-level biotic systems in place (aquatics, vegetation, invertebrates, etc.)

ØHeavy on frequent maintenance & fuel consumption

ØSubject to erosion

Who is involved & what is the mission of each group? Partners













Who is involved & what is the mission of each group? Stormwater Management Division



ØProtect life & property from flooding

ØReduce erosion & sedimentation

ØKeep channels & drainages free of obstruction

ØReduce watering to establish cover

ØReduce maintenance time & costs

ØLess wear & tear on equipment

ØImprove water quality

ØSave taxpayer's money

Who is involved & what is the mission of each group? Fort Worth Nature Center & Refuge Botanical Research Institute of Texas



Who is involved & what is the mission of each group?

Fort Worth Nature Center & Refuge

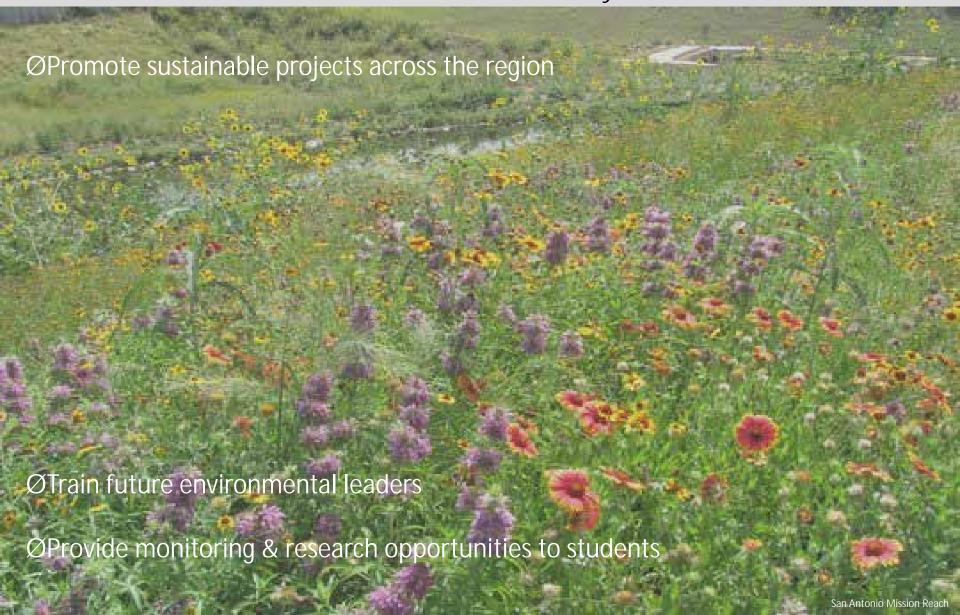
Botanical Research Institute of Texas

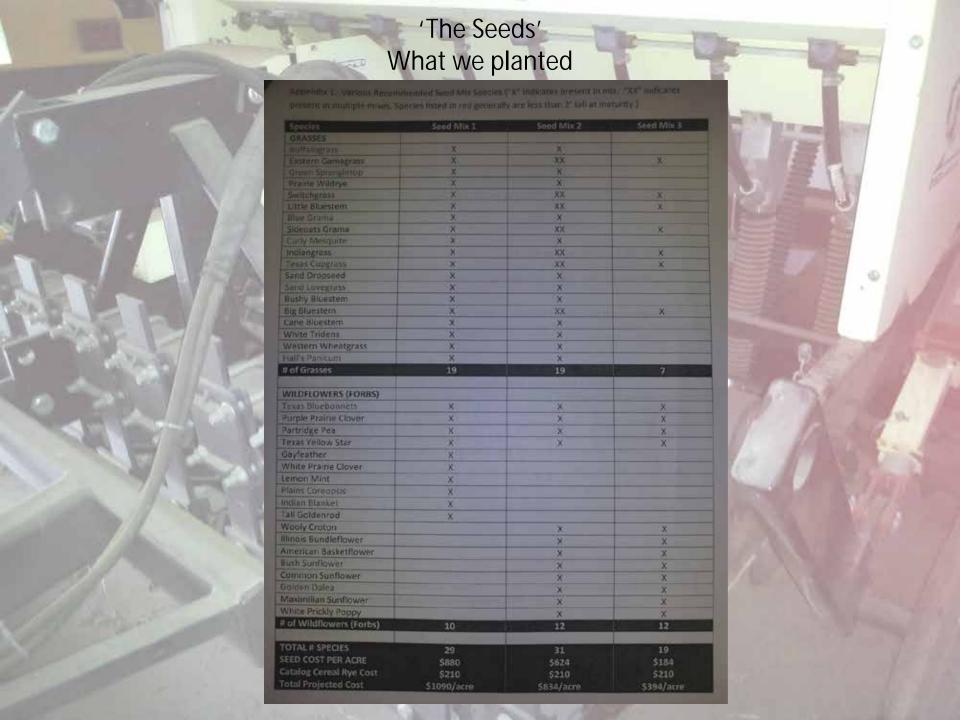


Who is involved & what is the mission of each group?

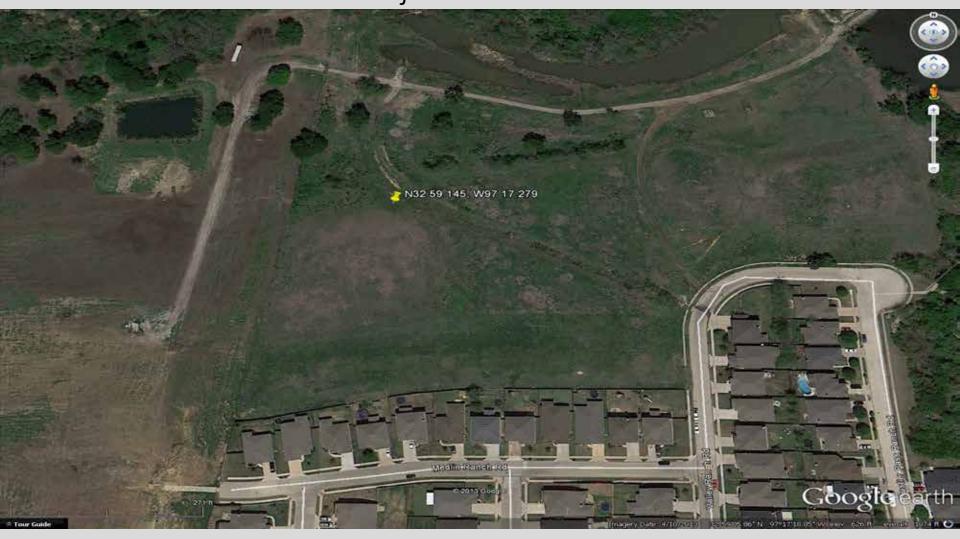
Texas Parks & Wildlife Department

Texas Christian University





'Watering the Seed' Pilot Project Site: Medlin Ranch



57' easement (28' to each side of channel), 12' wide bottom, 4:1 slope, total length = 765'

Goals are to encourage native vegetative cover with low maintenance needs.

'Germinating Seeds' The Pilot Project: Medlin Ranch



Grading completed by 8/21, seeding by 9/25, germination by 10/23/13.

'Growing' Forward The Future





ØInvolve Master Naturalists in invasive species control, monitoring, outplanting & education

ØPilot site #2 – John T. White

ØThe results of this project may be applicable to the developing Trinity River Vision project that will involve riparian restoration.

ØMove towards a landscape-scale model

'Growing' Forward The Future



If successful, we move forward to standardization:

ØPlanting & vegetation management guidelines manual

ØPlant community descriptions

ØPlant palette for soil type & elevation (foot, slope, wetland, upland)

ØChecklist "Process for Project Implementation"

'Growing' Forward The Future



