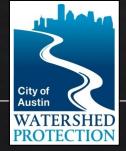
Community Engagement through Creekside Restoration:

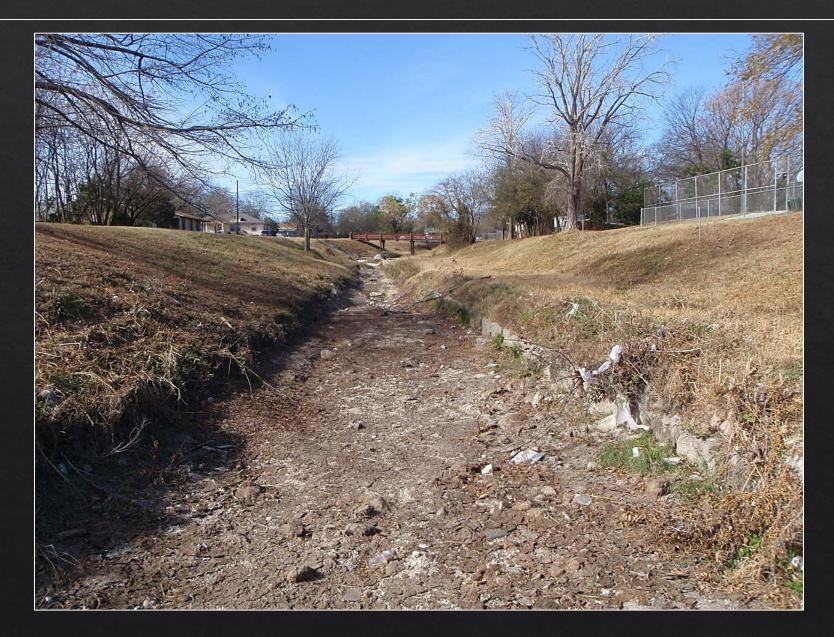


An Update on the City of Austin Grow Zone Program

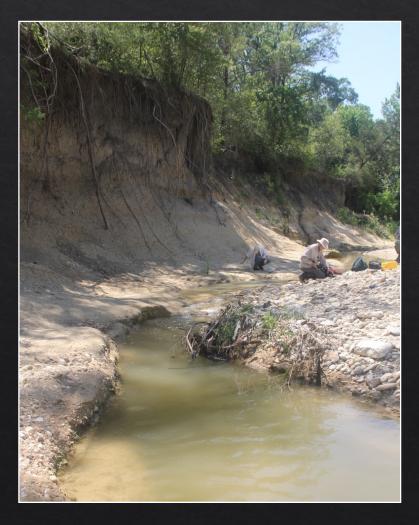




Erin Cord – City of Austin Watershed Protection Department



Erosion



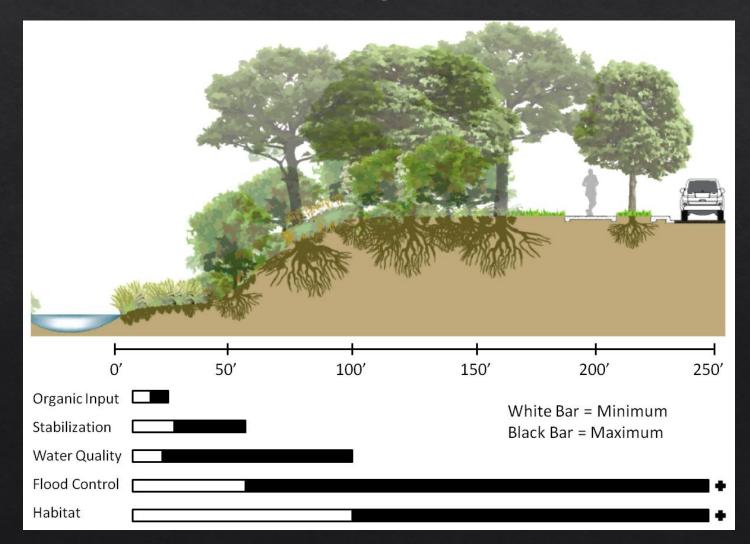
Water Quantity



Water Quality



• The wider the buffer the greater the function



- Willowbrook Reach (2010)
 - Restoration pilot project
 - Active restoration with community input
 - Not scalable





- Grow Zone Program (2012)
 - No Mow
 - Agreement with COA PARD
 - Passive restoration
 - 12 pilot parks







- Grow Zone Program (2013)
 - One program manager
 - Volunteer-driven restoration
 - Partner organizations
 - One restoration events calendar
 - 21 Grow Zones







- Keep Austin Beautiful co-sponsorship (2014)
 - Overlap with existing Adopt-a-Creek Program
 - Mobilize volunteers to drive riparian restoration efforts
 - Train AAC Coordinator







- Keys to initial program success
 - 311 call routing
 - Park District Managers and mowers
 - Lots of outreach!







2012

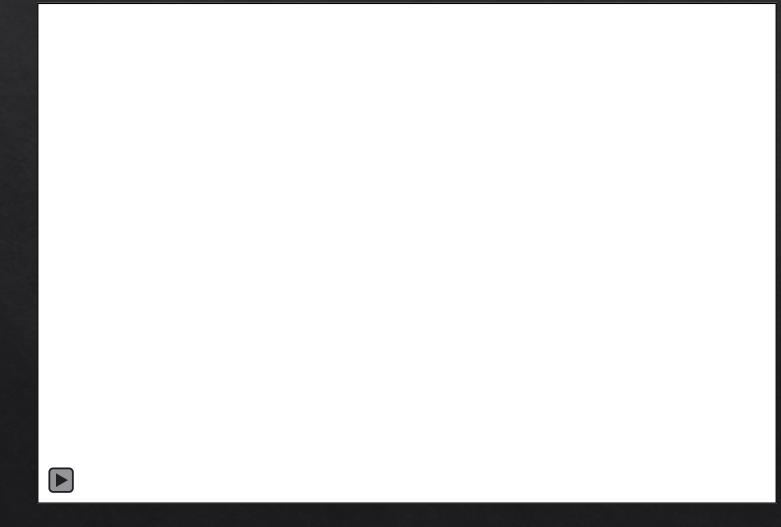




Dottie Jordan Park Grow Zone



Azie Morton Grow Zone



Boggy Creek at Hargrave St. Grow Zone

- Restoration Plan
 - Begin initial conversation about restoration
 - Guide volunteers in a meaningful way
 - Provide options
 - Living document
 - Schedule









Grow Zone Restoration Plan

Site Name			
Creek Name			
Watershed Name			
Volunteer Contact	Name	Pho	ne:
		Em	ail:
Associated Volunteer Group(s)	Keep Austin Beau		ne ner:
Moisture and Canopy	Check which of the four conditions are present at the site:	upland/open upland/closed canopy	floodplain/open floodplain/closed canopy
	Che	ck which invasives are pre	sent at the site:
Invasives	woody	bamboo/cane	johnsongrass
dentity other important a		r native seeding	
	aspects of the site: There are opportunities fo There are opportunities fo	0	
dentity other important a	There are opportunities fo	r tree seedling planting	rone areas
dentity other important a	There are opportunities fo There are opportunities fo	r tree seedling planting anks or other erosion-p	rone areas
dentity other important a	There are opportunities fo There are opportunities fo Vegetation is poor along b	r tree seedling planting anks or other erosion-p he site	
Identity other important a	There are opportunities fo There are opportunities fo Vegetation is poor along b Ragweed is dominant on tl	r tree seedling planting anks or other erosion-p he site invasive species on the	site (such as vines)
identify other important a	There are opportunities fo There are opportunities fo Vegetation is poor along b Ragweed is dominant on th There are other dominant There may be a need for h There are footpaths in sen	r tree seedling planting anks or other erosion-p he site invasive species on the aul-off of plant material sitive areas	site (such as vines) after events
Identity other important a	There are opportunities fo There are opportunities fo Vegetation is poor along b Ragweed is dominant on th There are other dominant There may be a need for h There are footpaths in sen There are creek access poi	r tree seedling planting anks or other erosion-p he site invasive species on the aul-off of plant material sitive areas nts or crossings affectin	site (such as vines) after events g the banks
Identify other important a	There are opportunities fo There are opportunities fo Vegetation is poor along b Ragweed is dominant on th There are other dominant There may be a need for h There are footpaths in sen There are creek access poi There is significant woody	r tree seedling planting anks or other erosion-p he site invasive species on the aul-off of plant material sitive areas nts or crossings affectin debris in or near the ch	site (such as vines) after events g the banks
Identify other important a	There are opportunities fo There are opportunities fo Vegetation is poor along b Ragweed is dominant on th There are other dominant There may be a need for h There are footpaths in sen There are creek access poi	r tree seedling planting anks or other erosion-p he site invasive species on the aul-off of plant material sitive areas nts or crossings affectin debris in or near the chas slands" on site	site (such as vines) after events g the banks annel

Site Name:

Place check marks for each month you would like to plan an event. Gray boxes are months that are not recommended for specific activities.

	UPLAND/OP	EN				UPLAND/CLC	SED CANOPY		
	Native Seeding	Seed Islands	Seedling Planting	Johnsongrass/ Ragweed Management	Bamboo/Arundo Management	Native Seeding	Seed Islands	Seedling Planting	Woody Invasive Management
January									
February									
March									
April									
May									
June									
July									
August									
September									
October									
November									
December									

	FLOODPLAIN	/OPEN				FLOODPLAIN	CLOSED CAN	OPY	
	Native Seeding	Seed Islands	Seedling Planting	Johnsongrass/ Ragweed Management	Bamboo/Arundo Management	Native Seeding	Seed Islands	Seedling Planting	Woody Invasive Management
January									
February									
March									
April									
May									
June									
July									
August									
September									
October									

Volunteer Techniques

- City website (austintexas.gov/creekside)
- Instructional videos
- Trainings
- "How To" documents
- Invasive species field guide









www.austintexas.gov/invasive

Community Creekside Monitoring

- Derived from the Riparian Functional Assessment (RFA)
- Once per year between April and October
- 9 categories for data collection

SITE NAME		CREEK		
WATERSHED		DATE		
l Channel Shading	Upstream Point 0 = <25 % 1 = 26-50 % 2 = 51-75 % 3 = 75-100 %	Midstream Point 0 = < 25 % 1 = 26-50 % 2 = 51-75 % 3 = 75-100 %	Downstream Point 0 = <25 % 1 = 26-50 % 2 = 51-75 % 3 = 75-100 %	Score (average of all three plots)
2 Riparian Zone Width	Upstream Plot 0 = < 25 ft. 1 = 26-60 ft. 2 = 60-100 ft. 3 = > 100 ft.	Midstream Plot 0 = < 25 ft. 1 = 26-60 ft. 2 = 60-100 ft. 3 = > 100 ft.	Downstream Plot 0 = < 25 ft. 1 = 26-60 ft. 2 = 60-100 ft. 3 = > 100 ft.	Score (average of al three plots)

Community Creekside Monitoring

• Riparian Score based on parameter scores

7 Defining Species			2 =	4-5 species > 5 species
8 Large Woody Debris	0 = no LWD piece 1 = 1-3 LWD piece 2 = 4-6 LWD piece 3 = > 6 LWD piece	es — ces —		
9 Number of Snags	0 = 0 snags 1 = 1-3 snags 2 = 4-6 snags 3 = > 6 snags		core	
Add t	he scores for each pa	rameter and circle the o	overall Riparian Score	below
Riparian Score	Optimal > 24	Suboptimal 17-24	Marginal 8-16	Poor 0-7
				14

Community Creekside Monitoring

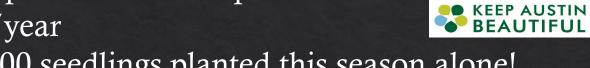
• Training





- Ready? Set. Plant!
 - Partnership with local non-profits
 - ~10 sites/year





Over 11,000 seedlings planted this season alone!





Photos by TreeFolks





- Texas Conservation Corps
 - Certain qualifying sites
 - 30% canopy reduction
 - Focus clearing around larger native trees





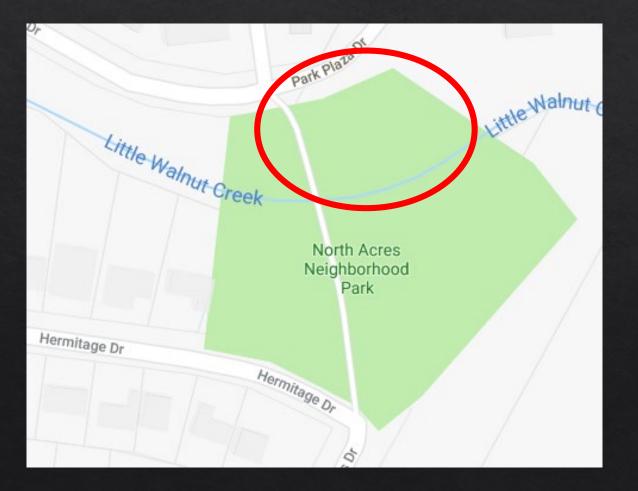


Photos by TXCC

• ~6.5 acres managed this year



• North Acres Park





• North Acres Park



Photos by TreeFolks



The Future of the Grow Zone Program



Stewardship Plans

- Jumping off point from the Restoration Plan
- More in depth and site specific
- Menu options with direction
- Sets expectations of city services





And Beyond...

- Adding more Grow Zones in Austin
- Grow Zones on AISD property
- Restoration manual for volunteers
- Sharing the program with other cities/municipalities





Questions?

erin.cord@austintexas.gov