



# Lake Arlington/Village Creek Watershed Protection

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Water Resource Services, City of Arlington

August 28, 2013

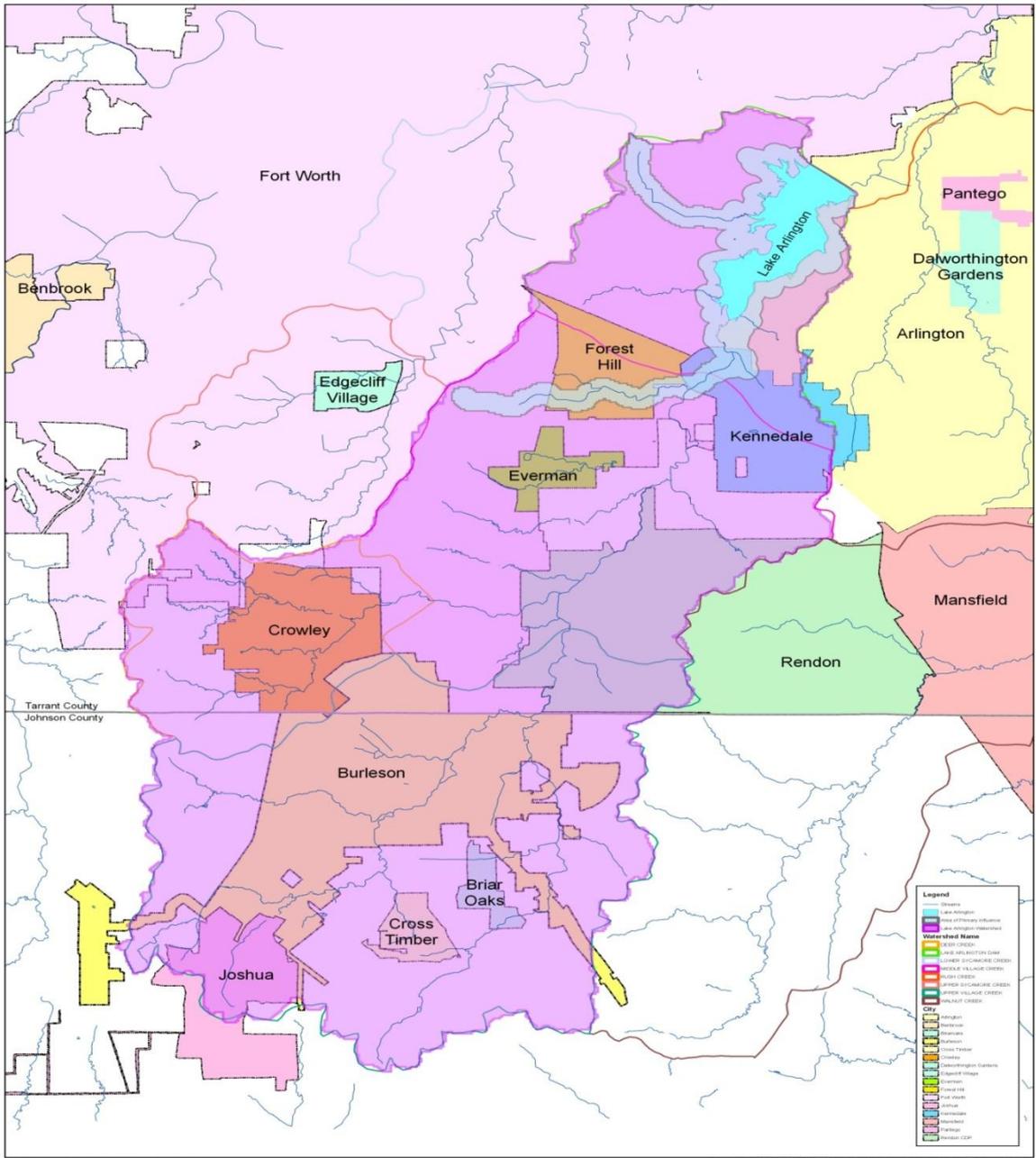


# Counties In Watershed

- Tarrant County
- Johnson County

# Cities in Watershed

- Arlington
- Briar Oaks
- Burleson
- Cross Timber
- Crowley
- Everman
- Forest Hill
- Fort Worth
- Kennedale
- Joshua
- Rendon CDP



This document is not intended for use as a survey product.



An aerial photograph of Lake Arlington, showing the lake's blue water, surrounding residential neighborhoods with houses and trees, and industrial areas with large buildings and parking lots in the distance.

# *Vision*

*The vision for Lake Arlington is to provide a safe drinking water supply and to protect the Lake and its surroundings by identifying and promoting sustainable uses and watershed management practices that enhance the beauty and the value of Lake Arlington to the community.*

# Purpose of Master Plan

## Lake Arlington Master Plan

Short term and long  
term planning tool

Protect City's water  
quality and supply

Optimize recreational  
use and manage  
ecosystem

Identify impacts of  
future development

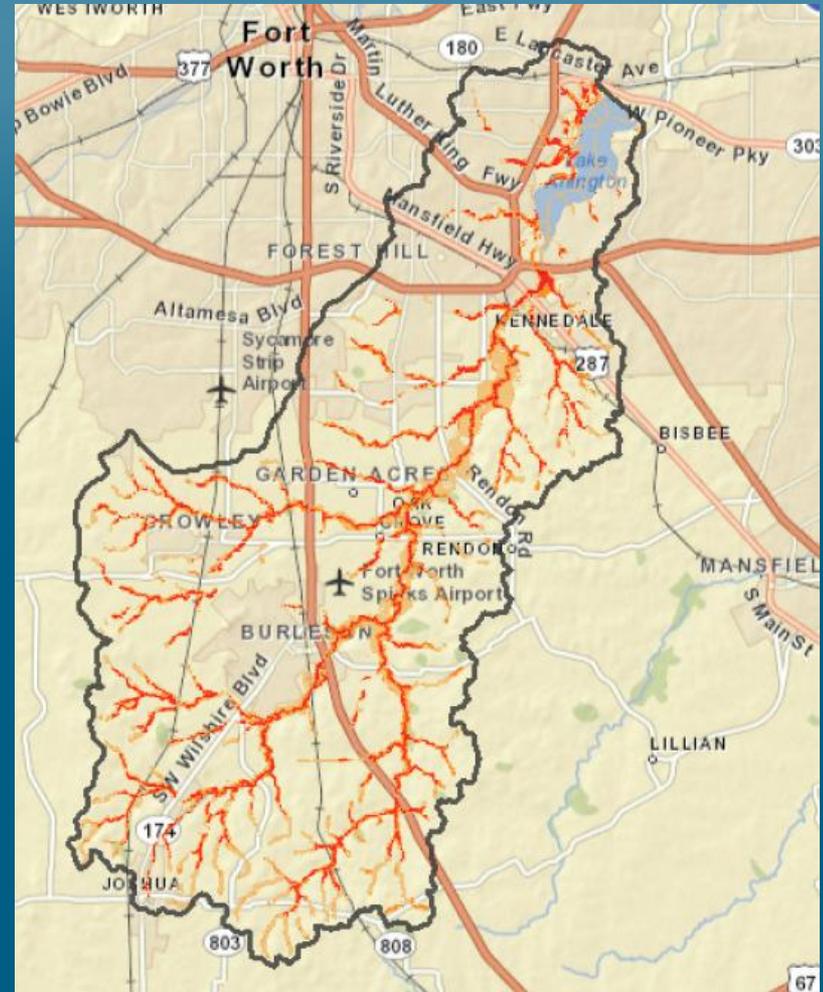
# Lake and Construction Chapter Ordinances Revised

Protecting water quality, sustainable solutions, uniformity, and property values



# From the Lake to the Watershed

- Protecting the Lake means protecting the Watershed
- Main tributary listed on 303(d) list as impaired for bacteria
- Rapid development within watershed
- Partnerships are absolutely necessary to our success



# Master Plan Project Prioritization



- Around thirty projects were identified and prioritized.
- Some are already being implemented.

Project		Workshop Rankings			Ranking Across Scenarios
		Scenario 1	Scenario 2	Scenario 3	
No.	Name	All Criteria	All Criteria Except Costs	Only Benefit Criteria	Rank by Sum
12	Acquire riparian corridors	7	2	1	1
13	Support watershed BMPs	5	3	4	2
22	Promote awareness of zebra mussel infestation prevention	1	1	11	3
5	Establish BMP Education Program	2	4	16	4
8	Distribute list of recommended pesticides, herbicides, and fertilizers	4	6	17	5
4	Send Bill Inserts	3	5	20	6
18	Adopt iSWM	11	12	5	6
11	Construct bioretention structures	17	10	2	8
19	Improve parks and create hike/bike trails	15	8	6	8
27	Construct wetlands	17	10	2	8
28	Complete list of WQ monitoring and partnering	14	7	9	9
25	Participate in litter reduction campaign	9	13	14	10
9	Complete dredging of lake	20	9	8	11
24	Create TCEQ SEP	12	15	12	12
30	What's in it for me? Public Officials Packet	6	14	24	13
23	Participate in regional wastewater treatment plan	21	17	7	14
6	Establish school outreach programs	10	18	22	15
7	Provide updates to city councils	8	16	26	15
29	Maintenance road as precursor to hike/bike trail	19	19	13	16
17	Monitor Lakeshore Drive Progress	22	23	10	17
2	Erect Signage: Major roads through watershed	13	20	26	18
10	Complete greenprinting for conservation acquisitions	23	22	15	19
3	Erect Signage: LAMP logo on new developments	16	21	26	20
14	Evaluate trash collection structures	24	24	18	21
15	Purchase and use debris removal equipment	28	25	18	22
1	Coordinate Stakeholder Involvement	25	26	26	23
26	Create lake sponsorship program (i.e. Adopt a Highway)	29	29	21	24
16	Monitor Fort Worth's BMP Pilot Study in trash collection	27	28	25	25
20	Develop permit requirements for gas drilling in API	30	30	23	26
21	Monitor watershed area TCEQ permits	26	27	30	26

# Working Together

- Bimonthly Coordination Meetings



# The Search for Funding

- Grant Opportunities
- Regional Pooling of Resources
- Supplemental Environmental Projects



# Supplemental Environmental Project Applications

- In the Works:
  - Rain Garden
  - Native Plant Demonstration Garden
  - Rainwater Harvesting
- Created:
  - Litter Trailer
  - Texas Stream Team
  - Tree Planting

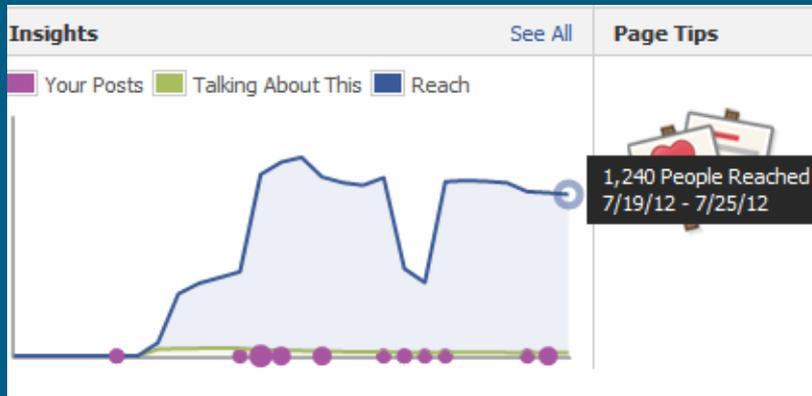


# Enviroscape Loan Program



# Lake Arlington Social Media

- Lake Arlington Facebook page has launched!
- <http://www.facebook.com/lakearlingontx>
- Weekly updates on how to be more lake-friendly, recreational opportunities happening on the lake, DFW lake friendly events.

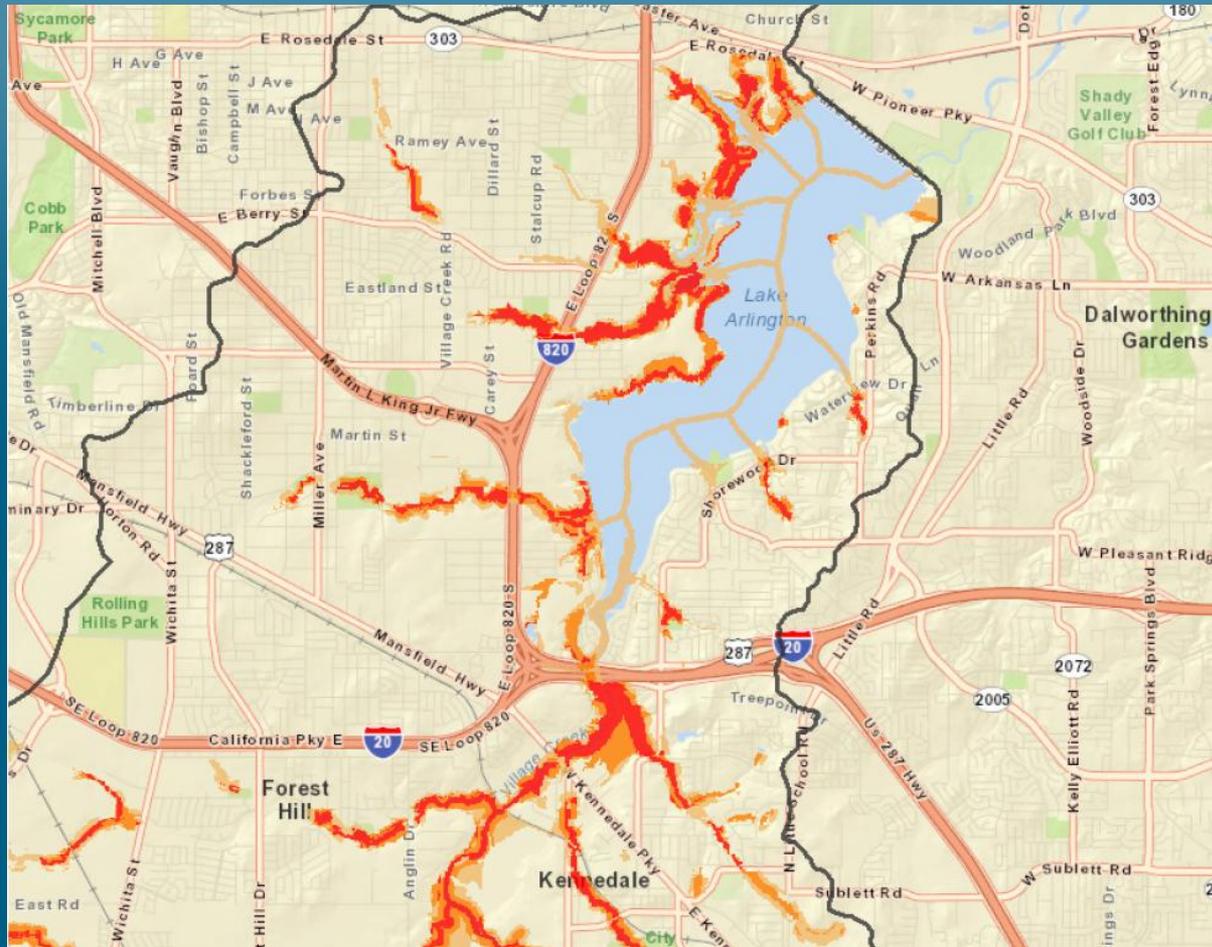


# Volunteer Recruitment

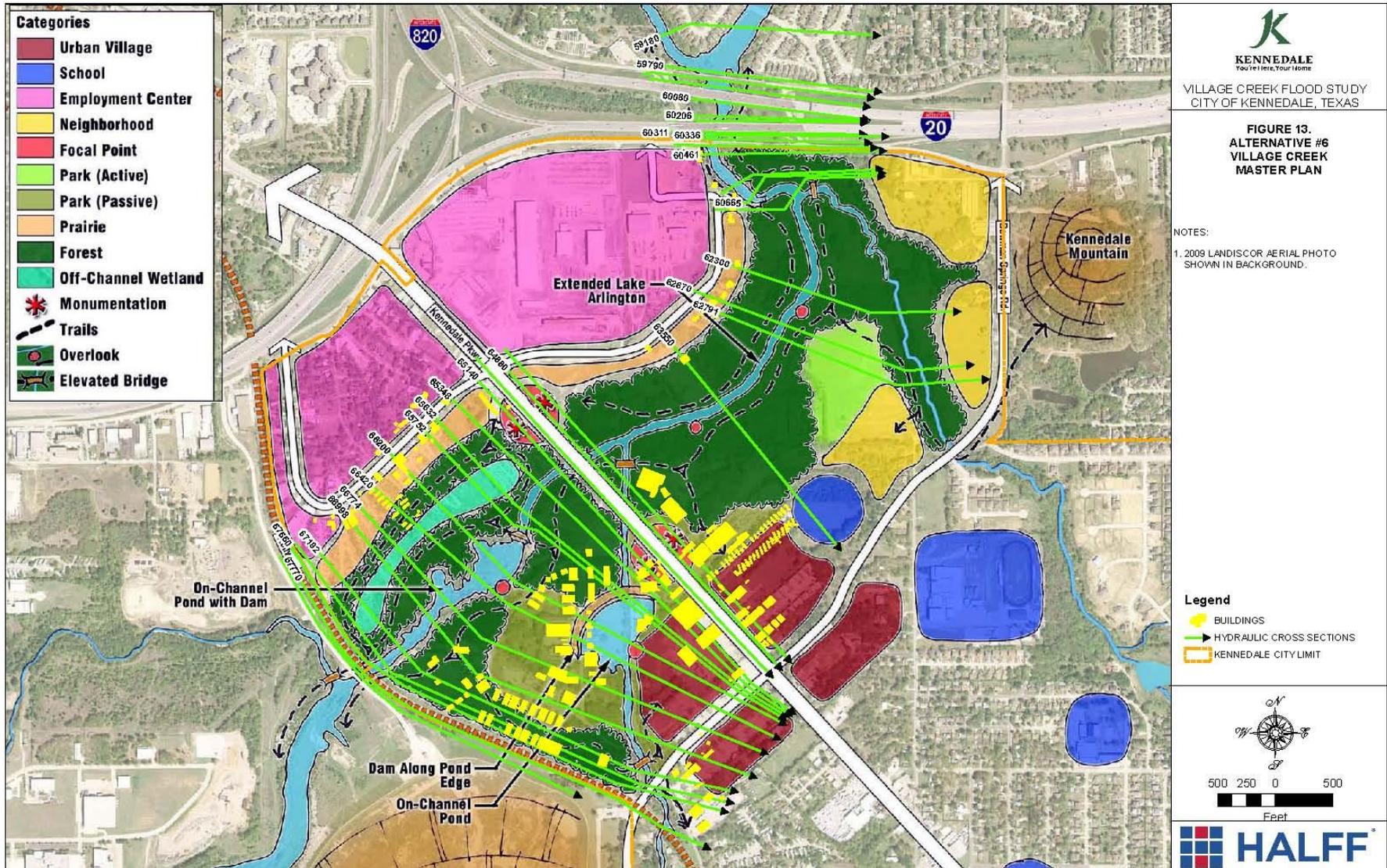


- Texas Stream Team
- Partnering with community groups

# Greenprinting



# Village Creek Master Plan





# Draft 2012 Texas Integrated Report

**SegID: 0828A** Village Creek (unclassified water body)

From the confluence with Lake Arlington in Tarrant County to the headwaters east of Joshua in Johnson County

Parameter(s)

bacteria

Category

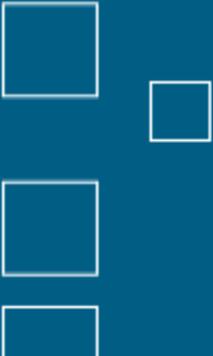
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Year Segment First Listed

2010

0828A\_01

From Lake Arlington to the headwaters



## Group made comments to TCEQ



# Making Use of Partnerships

- The best avenue for improving water quality in the watershed (and therefore, the lake)
- Pooling of resources
- Improves chances of receiving grant funding
  - 319 grants
  - Urban trails
  - Brownfield Remediation
- Working with Texas Parks and Wildlife, UTA, and Agrilife





Questions?

