

Lampasas River Watershed Partnership

Partnership Meeting

Thursday, April 19, 2018





Lampasas River Watershed Partnership Meeting

April 19, 2018
Lampasas County Farm Bureau Building
1793 U.S. Hwy 281, Lampasas
6:00 p.m. to 8:00 p.m.

Introductions

Steering Committee Member Updates

Progress Report on Water Quality Management Plan Program
Lee Gernentz, District Technician; Hill Country Soil and Water Conservation
District #534

Progress Report on Lampasas River Watershed OSSF Database
Dr. Gabriele Bonaiti, Extension Program Specialist; Texas A&M AgriLife
Research & Extension

Plan My Land Operation Landowner Tool
Lori Hazel, Water Resources Forester, Texas A&M Forest Service

Upcoming Events for the Partnership

Adjourn

*Funding and support are provided by a Clean Water Act §319(h) grant from the Texas State Soil and
Water Conservation Board and the U.S. Environmental Protection Agency*

720 East Blackland Road • Temple, TX 76702 • Phone: 254-774-6000 • Fax: 254-774-6001
<http://blackland.tamu.edu/>
<http://www.lampasasriver.org>

Current Steering Committee Members

First Name	Last Name	Representing	City
Dickie	Clary	Hamilton County Commissioner	Hamilton
Lee	Kelley	Central Texas Water Supply	Harker Heights
		Keep Killeen Beautiful	Killeen
Kristina	Ramirez	City of Killeen	Killeen
Bradley	Ware	Agriculture Producer	Killeen
Judy	Parker	Clearwater Underground Water Conservation District	Killeen
Travis	Herring	Hill Country SWCD	Lometa
Ed	Lilley	Agriculture Producer	Lampasas
Chris	Meis	Wildlife Producer	Dallas
Jed	Garren	Mills County Commissioner	Goldthwaite
Henry	Stoneham	Landowner	Lampasas
Mickey	Edwards	Landowner	Lampasas
Bettie	Black	Landowner	Star
Rodney	Parrish	Wildlife/Agriculture Producer	Evant
Jenna	Olsen	Brazos River Authority	Waco
Finley	DeGraffenried	City of Lampasas	Lampasas
Ken	Schoen	Lake Stillhouse Cleanwater Committee	Killeen

2017 Partnership Meeting

- ⦿ Reviewed Past Business, including proposals were developed and funded within the last year
- ⦿ Those present agreed to table the discussion of a Partnership Logo
- ⦿ Results and Final Report on TSSWCB project 13-09 “**Surface Water Quality Monitoring to Support the Implementation of the Lampasas River Watershed Protection Plan**”
- ⦿ Lee Gernentz, the District Technician with the Hill Country SWCD was introduced to the Partnership
- ⦿ Dr. Anish Jantrania, Texas A&M AgriLife Research, introduced the Lampasas River Watershed OSSF Database and Inventory and discussed the methodology and process of the inventory

Educational Activities

◉ Rainwater Harvesting Workshop

- ◉ March 29, 2018
 - ◉ Copperas Cove
 - ◉ 43 participants; 25 built & took home rain barrels
 - ◉ Keep Copperas Cove Beautiful graciously sponsored \$25 of the cost of 25 barrels



MARCH 29, 2018

RAIN ON TAP – PREPARING FOR DRIER DAYS
RAINWATER HARVESTING FOR HOMEOWNERS
FREE WORKSHOP

Rainwater harvesting can be a viable alternative water resource for irrigation, wildlife, livestock and indoor use. You can harvest 660 gallons of rainwater from a 1,000 square foot roof with 1 inch of rain. Learn more about how to effectively harvest rainwater and its benefits by joining us for this workshop.

Barrels can be paid for with cash or checks made payable to AgriLife Extension on the day of the program.



Funding provided through a Clean Water Act §319(h) non-point source grant from the Texas State Soil and Water Conservation Board and the U.S. Environmental Protection Agency.

6:00 p.m. to 8:00 p.m.

Copperas Cove Public Library
501 South Main,
Copperas Cove, TX

FREE Class
Build your own rain barrel for \$50

The first 25 rain barrels reserved will receive a \$25 discount, sponsored by Keep Copperas Cove Beautiful!

Preference will be given to attendees who have not received the discount in the past.

Pre-Register to Lisa Frein
at 254.774.6008 or
lfrein@brc.tamus.edu

Hosted by
The Lampasas River
Watershed Partnership
&
Keep Copperas Cove
Beautiful
&
Texas A&M AgriLife
Research & Extension

Educational Activities

- Lone Star Healthy Streams
 - Goldthwaite, October 18, 2017
 - 14 participants





LONE STAR HEALTHY STREAMS

<http://lshts.tamu.edu>



The Lone Star Healthy Streams program educates Texas livestock producers and landowners on how to best protect Texas waterways from bacterial contributions associated with livestock production and feral hogs. There is no cost to attend.

October 18, 2017: 1:00pm-5:00pm
Mills County Community Center
1003 Parker St.
Goldthwaite, TX 76844
3 General CEUs available for pesticide applicators



Workshop presentations will focus on the Lampasas River Watershed and will discuss basic watershed function, water quality, and specific best management practices that can be implemented to help minimize bacterial contamination originating from beef cattle, horses, and feral hogs.

Pre-register for the workshop by going to:
<http://lshts.tamu.edu/workshops>.



Educational Activities

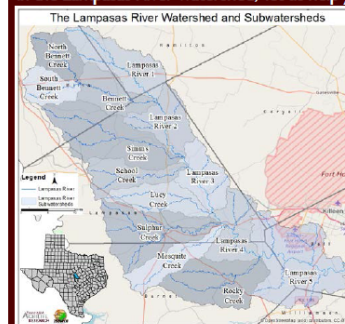
- ◉ FREE Soil Test Program
- ◉ 34 individual participants and 83 total soil samples submitted
 - ◉ Lampasas County – 79 samples
 - ◉ Mills County – 3 samples
 - ◉ Bell County – 1 sample



**NO MATTER WHAT YOU GROW,
YOUR SOIL IS IMPORTANT!**



The Lampasas River Watershed Partnership is offering FREE soil tests to FARMERS, RANCHERS, and HOMEOWNERS in the Lampasas River Watershed. Fertilizer is expensive and excessive application hurts your wallet and our local streams and rivers. If your property or yard is located in the Lampasas River watershed, let us help you be sure you aren't throwing money away.



It's Easy!

- ❖ Pickup sample bags at these local AgriLife County Extension offices: Bell, Burnet, Coryell, Hamilton, Lampasas, or Mills Counties
- ❖ Return soil sample to the same office by November 8th.
- ❖ Receive your results and learn how to interpret them at one of the following FREE, one-hour programs.
- ❖ December 4th – Lampasas County Farm Bureau at 6:00 pm.
- ❖ December 5th – Mills County Community Center at 2:00 pm.
- ❖ December 5th – Texas A&M Central Texas at 6:00 pm.

For more information or to determine if you are in the watershed, contact Lisa Prcin, at 254.774.6008 or lprcin@brc.tamus.edu, or the AgriLife Extension Agent in one of the participating counties. An interactive map of the Lampasas River watershed is also available at www.lampasasriver.org.

Funding provided through a Clean Water Act §319(h) non-point source grant from the Texas State Soil and Water Conservation Board and the U.S. Environmental Protection Agency.

Watershed Coordinator Activities

- ◉ **Presentations or display booths at:**

- ◉ Keep Copperas Cove Beautiful's Annual Eco Harvest Festival
- ◉ Clearwater Underground Water Conservation District's Bell County Water Symposium
- ◉ Annual Meeting of Soil and Water Conservation District Directors
- ◉ Bell County Conservation Expo

- ◉ **Training and Meeting Highlights:**

- ◉ Texas Watershed Coordinator Roundtable
- ◉ Local Soil and Water Conservation Meetings
- ◉ Brazos River Clean Rivers Program Steering Committee Meeting
- ◉ Bell County Natural Resources Committee



Complete or Almost Complete Projects

Project	Project Period	Project Title	Federal Monies	Project Tasks	Status
07-11	October 1, 2007 – September 30, 2012	Lampasas River Watershed Assessment and Protection Project	\$ 498,422	(1) Lampasas River WPP Development and Project Administration; (2) Development of LDCs; (3) Watershed Inventory and Geographic Analysis; (4) SELECT modeling; (5) Facilitate Implementation of WPP	Complete
12-09	November 1, 2012 – October 31, 2014	Coordinating Implementation of the Lampasas River Watershed Protection Plan	\$ 205,305	(1) Project Administration; (2) Support and Facilitation of WPP Implementation; (3) Outreach, Education and Community Support	Complete
13-09	October 1, 2013 – June 30, 2017	Surface Water Quality Monitoring to Support the Implementation of the Lampasas River Watershed Protection Plan	\$ 206,169	(1) Project Administration; (2) Quality Assurance; (3) Water Quality Data Collection and Analysis (4) Maintain Stakeholder Communication	Complete
14-07	September 1, 2014 – March 31, 2017	Coordinating Implementation of the Lampasas River Watershed Protection Plan	\$ 328,052	(1) Project Administration; (2) Support and Facilitation of WPP Implementation; (3) Outreach, Education and Community Support	Complete
14-06	September 1, 2014 – November 30, 2017	Implementing Agricultural Nonpoint Source Components of the Lampasas River Watershed Protection Plan	\$ 171,691	(1) Project administration; (2) Promotion and implementation of the TSSWCB WQMP Program	Complete
14-01	September 1, 2014 – November 30, 2017	¹ Funding for Financial Assistance to Implement Agricultural BMPs	\$ 90,000	Financial assistance to landowners to put conservation practices into place within the watershed	Complete
Total federal funds for Lampasas River Watershed related projects:			\$ 1,469,639		

Current and Future Projects

Project	Project Period	Project Title	Federal Monies	Project Tasks	Status
16-06	October 1, 2016 – September 30, 2019	Continuation of Surface Water Quality Monitoring to Support the Implementation of the Lampasas River Watershed Protection Plan	\$ 207,498	(1) Project Administration; (2) Quality Assurance; (3) Water Quality Data Collection and Analysis; (4) Maintain Stakeholder Communication	Active
TCEQ	January 9, 2017 – October 31, 2018	Lampasas River Watershed Protection Plan Implementation – On-Site Sewage Facilities Database	\$ 59,800	Develop a database of all permitted and unpermitted On-Site Sewage Facilities (OSSF) within the Lampasas River watershed.	Active
17-04	November 1, 2017 – October 31, 2020	Continued Coordinating Implementation of the Lampasas River Watershed Protection Plan	\$ 268,324	(1) Project Administration; (2) Support and Facilitation of WPP Implementation; (3) Outreach, Education and Community Support	Active
17-03	November 1, 2017 – October 31, 2020	Continued Implementation of Agricultural Nonpoint Source Components of the Lampasas River Watershed Protection Plan	\$ 168,618	(1) Project Administration; (2) Promotion and implementation of the TSSWCB WQMP Program	Active
17-01	November 1, 2017 – October 31, 2020	¹ Funding for Financial Assistance to Implement Agricultural BMPs	\$ 60,000	Financial assistance to landowners to put conservation practices into place within the watershed	Active
Total federal funds for Lampasas River Watershed related projects:			\$ 764,240		

Status of the Texas Integrated Report

⦿ 2016 IR

- ⦿ SWQM data collected 7 years prior to November 30, 2014
- ⦿ Draft and public comment period are “imminent”

⦿ 2018 IR

- ⦿ SWQM data collected 7 years prior to November 30, 2016
- ⦿ Stakeholder group meetings are expected to begin late Summer/early Fall 2018

⦿ How does our project data fit in?

- ⦿ Samples collected at routine flows on mainstem sites are included in analysis
- ⦿ Samples collected at routine flows on tributary sites are NOT included
- ⦿ Samples collected with biased flow (storm) at all sites are NOT included



Get to Know the Watershed

www.lampasasriver.org

TEXAS A&M
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RESEARCH

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Search

Lampasas River Watershed Protection Plan

Overview

Publications

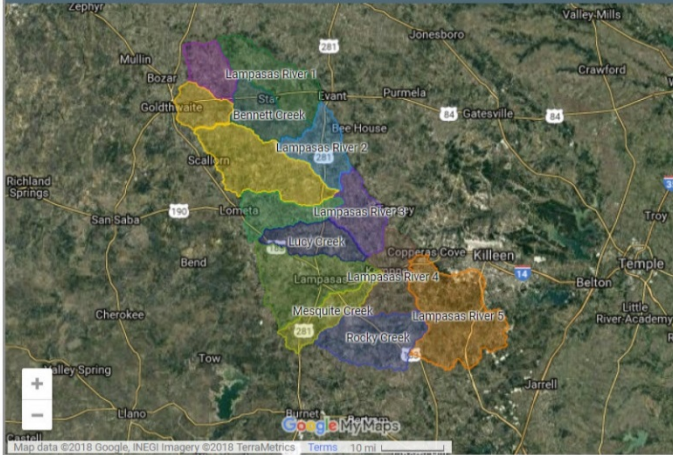
Meetings & Workshops

Join Our Mailing List

Links & Partners

The Lampasas River Watershed Partnership

Get to Know the Lampasas River Watershed!



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Meetings and Events

- [April 19, 2018 - Partnership Meeting Flyer](#)
- [April 19, 2018 - Partnership Meeting Agenda](#)
- [May 1, 2018 - Urban Riparian and Stream Restoration Program in Killeen](#)

News

- [Press Release: Lampasas River Watershed Partnership Meeting](#)
- [Press Release: Urban Riparian and Stream Restoration Program in Killeen](#)

WPP Update

- [Lampasas River Watershed Protection Plan](#)
June 2013

Background Information

The Lampasas River (segment 1217 in the Brazos River Basin), rises in western Hamilton County

Nonpoint Source Pollution Management in Texas

2017 ANNUAL REPORT



Texas
Commission on
Environmental
Quality



Texas State
Soil & Water
Conservation
Board

Funding provided by the
Environmental Protection
Agency through Clean
Water Act Section
319(h) grant
funds

SFR-066/17
January 2018

Progress Report on Water Quality Management Plan Program

TEXAS A&M
AGRILIFE
RESEARCH

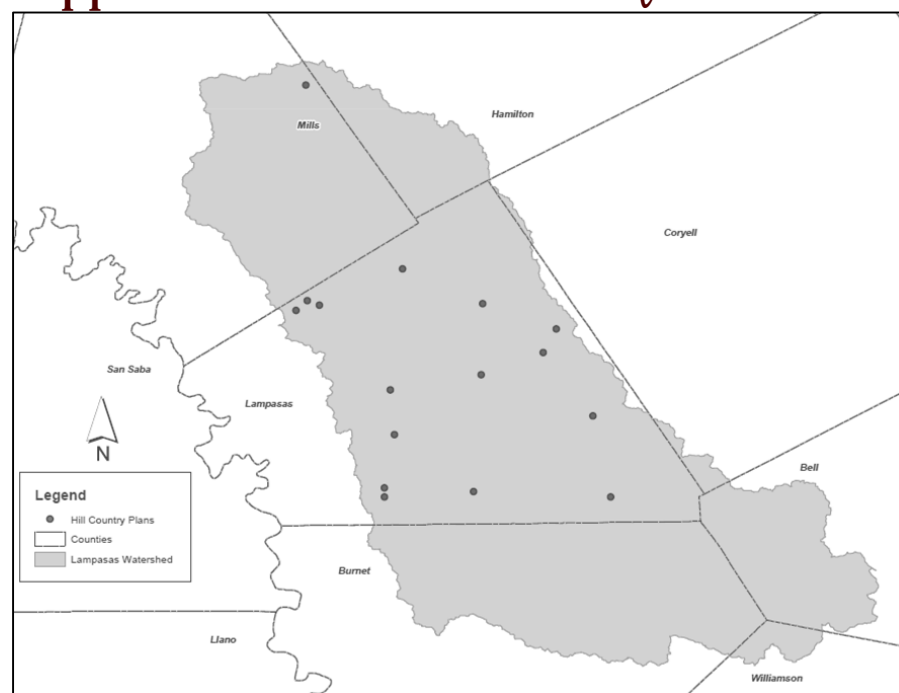
14-06 Project Background

- ⊙ The Hill Country SWCD, working cooperatively with the TSSWCB and the NRCS, provided technical and financial assistance to agricultural producers in the Lampasas River watershed through a Clean Water Act § 319(h) nonpoint source grant from the TSSWCB and the U.S. Environmental Protection Agency.
- ⊙ District Technician provided technical assistance to agricultural producers in developing and implementing WQMPs in the Lampasas River Watershed.
- ⊙ Once the WQMP is developed, it was sent to the TSSWCB Dublin regional office for technical review and certification.
- ⊙ After certification of the WQMP, the District Technician worked with the landowners to implement the BMPs prescribed in the WQMP.
- ⊙ Annual status reviews were conducted on WQMPs developed ensure that landowners implemented BMPs as specified and agreed to in the WQMP implementation schedule.
- ⊙ The District Technician tracked expenditures of financial incentives and assisted landowners in utilizing these funds on schedule.

14-06 Project Conclusions

- Through this project, a total of 16 WQMPs were developed and implemented on approximately 5,298 acres
 - Lampasas County – 15 WQMPS
 - Mills County – 1 WQMP

Approximate locations of WQMPs



14-06 Project Conclusions

- ◎ Primary BMPs installed were:

- ◎ Forage and Biomass Planting
- ◎ Range Planting
- ◎ Cross Fencing
- ◎ Prescribed Grazing
- ◎ Livestock water wells
- ◎ Brush Management

- ◎ A new project, TSSWCB #17-03, will allow the Hill Country SWCD to continue the implementation WQMPs in the watershed



14-06 Project Conclusions

- More details will be available in the Project Final Report in near future!

Implementing Agricultural Nonpoint Source
Components of the Lampasas River
Watershed Protection Plan

Final Report

TSSWCB Project #14-06



Hill Country Soil and Water Conservation District #534

FUNDING PROVIDED THROUGH A CLEAN WATER ACT §319(h)
NONPOINT SOURCE GRANT FROM THE TEXAS STATE SOIL AND
WATER CONSERVATION BOARD AND THE U.S. ENVIRONMENTAL
PROTECTION AGENCY

Progress Report on Lampasas River Watershed OSSF Database

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Plan My Land Operation Tool



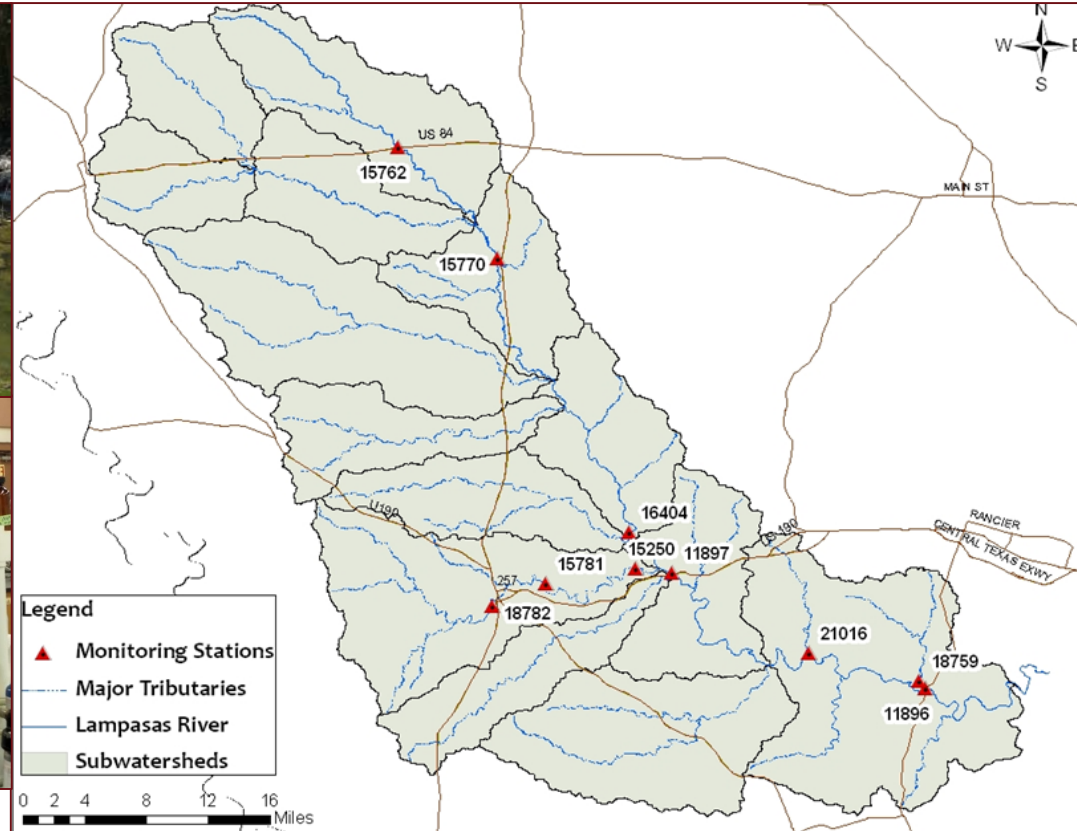
Next Steps for the Partnership



OSSFs in the Watershed

- ◉ Typical TCEQ Request for Grant Applications for NPS funding is June – July
- ◉ Current project will be completed no later than April 2019 – Phase I
- ◉ Develop plan to secure funding for Phases II and III
 - ◉ Phase II – ranking and prioritizing areas to receive assistance and repair/replace 4-10 systems as project demonstration – 2 year project
 - ◉ Potential Plan of Action:
 - ◉ AgriLife and BAEN work with Partnership and DRs to rank/prioritize future activities
 - ◉ Seek input from Partnership and DRs for demonstration areas
 - ◉ Utilize local OSSF inspectors to administer inspections and repair/replacement
 - ◉ Level of engagement from the cities and counties?
 - ◉ Phase III – Begin repair/replacement throughout areas indicated in Phase I & II

Continuation of Surface Water Monitoring



Urban Riparian and Stream Restoration Program

- May 1, 2018 at Texas A&M – Central Texas
- Training will focus on natural design processes for stream restoration projects. Materials delivered in the training will help attendees understand:
 - Urban stream functions,
 - Impacts of development on urban streams,
 - Recognize healthy versus degraded stream systems,
 - Assess and classify a stream using the Bank Erosion Hazard Index (BEHI), and
 - Comprehend differences between natural and traditional restoration techniques.



Training Agenda

May 1, 2018 | 8:30 am - 4:00 pm

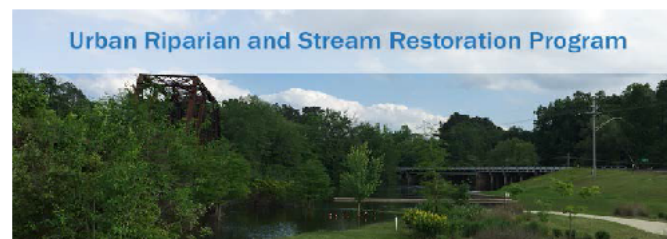
- 8:30 am** **Welcome and Protecting Water Quality by Restoring Riparian Corridors**
- Whitney Grantham, Texas A&M AgriLife Extension, Bell County
 - Clare Entwistle, Texas Water Resources Institute
- 9:00 am** **Stream Processes, Classifications of Streams, and Stream Restoration**
- Dr. Fouad Jaber, Texas A&M AgriLife
- 11:30 am** **Management and Photo Monitoring of Restoration**
- Glavy / Russell, Texas Water Resources Institute
- 12:00 pm** **Lunch (Provided)**
- 12:00 pm** **Local Watershed Planning Updates Over Lunch**
- Lisa Prcin, Texas A&M AgriLife Research
 - Andy James, Texas A&M Natural Resource Institute
 - Anne McFarland, Texas Institute for Applied Environmental Research
- 12:30 pm** **Prepare for the Field**
- Dr. Fouad Jaber, Texas A&M AgriLife
- 1:00 pm** **Field Analysis Stations (30 minute Stations, bring boots or waders)**
- Stream Inspection: Dr. Fouad Jaber, Texas A&M AgriLife
 - Stream Surveying: Clare Entwistle & Nathan Glavy, TWRI
 - Stream Substrate Analysis: Destiny Russell, TWRI
 - Stream Trailer
- 3:00 pm** **Data Analysis, Course Evaluation and Wrap Up**



Funding provided through a Clean Water Act Section 319(h) nonpoint source grant from the Texas Commission on Environmental Quality and U.S. Environmental Protection Agency.

Urban Riparian and Stream Restoration Program

- ◉ Classroom-style teaching in the morning session and hands-on activities in the field at a nearby stream in the afternoon sessions.
- ◉ Continuing Education Units Available:
 - ◉ Texas Water Resources Institute – 1 CEU
 - ◉ Texas Nutrient Management Planning Specialists – 6 hours
 - ◉ Certified Crop Advisor- 7 CEUs (Nutrient Mgmt: 1, Soil & Water: 2.5, IPM: 1, Sustainability: 2.5)
 - ◉ Texas Floodplain Management Association – 6 CECs
 - ◉ Texas Board of Architectural Examiners “Acceptable for HSW credit”
 - ◉ The program may also be used for CEUs for Professional Engineers
 - ◉ Check with your Chapter for Master Naturalist and Master Gardener to see if it is approved for your area.



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Urban Riparian and Stream Restoration Program

- Limited to the first 40 people
- Cost is \$100 and includes all training materials, a catered lunch, and a certificate of completion at the end of the course.
- Registration is required by April 24, 2018.
- Register online through the link below, or if paying by check or PO by email to clare.entwistle@ag.tamu.edu.
- Lunch from Jason's Deli will be provided to participants or they may bring their own.
- Dress is casual and comfortable, hip boots/waders are required for the hands on field assessment as we will be out in the creek in the afternoon.

https://secure.touchnet.com/C21490_ustores/web

Search course code: 4655371



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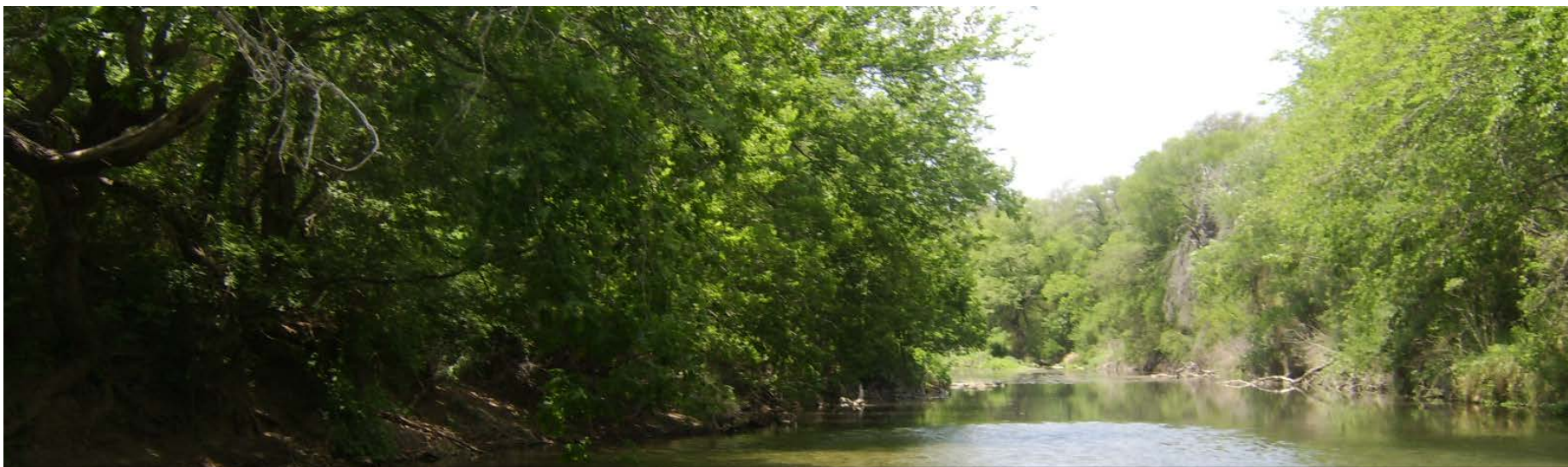
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Upcoming Activities

- ⦿ Participate in Fort Hood's EarthFest – Tomorrow!
- ⦿ Bell County Interagency Natural Resources Committee meeting – April 23
- ⦿ Brazos River Authority Coordinated Monitoring Meeting – April 26
- ⦿ Brush Contractor Stewardship Workshop – May/June 2018
- ⦿ Homeowner's Maintenance of OSSF – Summer 2018
- ⦿ Bell County Conservation Expo – September 20, 2018
- ⦿ Partnership Meeting
 - ⦿ Tentatively planned for October 2018
 - ⦿ Topics will include discussion of 2016/2018 Texas Integrated Report



The facilitation of the Lampasas River Watershed Partnership and development of the watershed protection plan is funded by the Texas State Soil and Water Conservation Board through a Clean Water Act §319(h) grant from the U.S. Environmental Protection Agency.

Lisa Prcin

Texas A&M AgriLife Research

📍 720 E Blackland Rd, Temple, TX 76502

☎ (254) 774-6008 • 📧 lprcin@brc.tamus.edu • 🌐 www.lampasasriver.org

Thank You