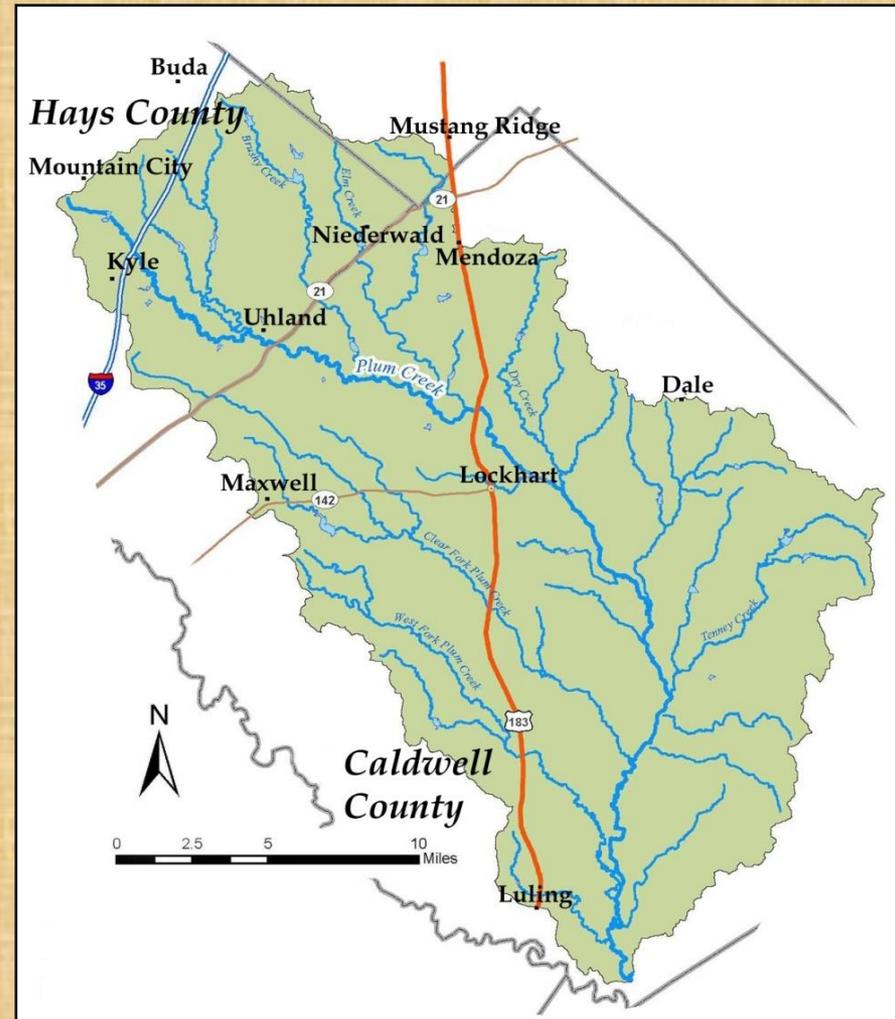


# Plum Creek Watershed Partnership



# The Plum Creek Watershed

- 397 square mile drainage
- Tributary to the San Marcos River
- Plum Creek was placed on the 2004 Texas 303(d) list for exceeding the primary contact recreation water quality standard for bacteria (*E. coli* < 126 cfu). To date, all 3 segments remain impaired.
- Delisted in 2010 TCEQ Integrated Report: Reclassified from 5c to 4b
- 2012 TCEQ Integrated Report concerns: DO, Habitat, Nitrate, Orthophosphorus, Total P

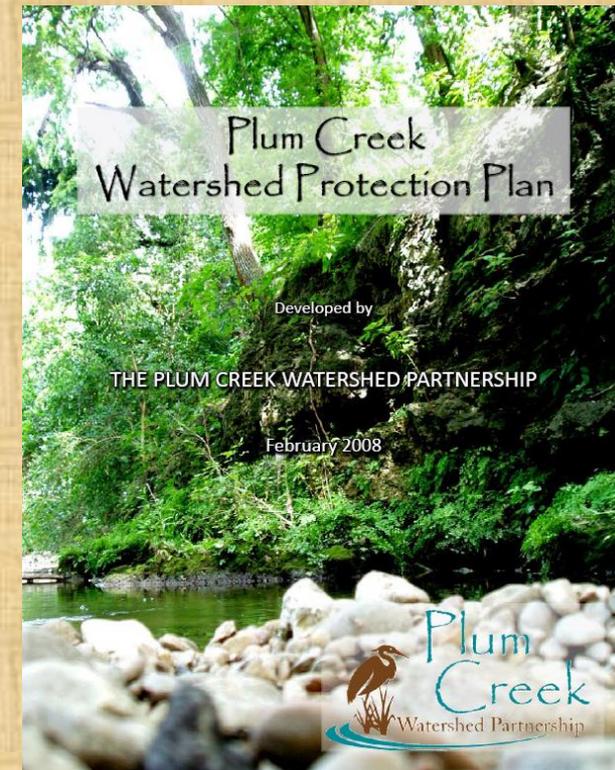


# THE PLUM CREEK WATERSHED PARTNERSHIP

est. 2006

“The *Partnership* works with citizens, businesses and officials in the watershed to restore the health of Plum Creek, recognizing that success in improving and protecting water resources depends on the people who live and work there.”

--Plum Creek Watershed Protection Plan, 2008



# Coordinating Implementation of the Plum Creek Watershed Protection Plan

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- FY 2011 Workplan 11-07
  - Completion of grant funding in spring 2015
  - 2014 Plum Creek WPP Update under review by EPA
- FY 2014 Workplan 14-10
  - Funds 3 additional years of implementation
    - Watershed Coordinator
    - Supplies/Travel/Office
    - 3 riparian workshops
    - 3 OSSF workshops
    - 3 illicit dumping site cleanups

# Plum Creek Watershed Partnership

Program Updates ~

Nick Dornak, Watershed Coordinator



# WINTER / SPRING PARTNERSHIP UPDATES

*Local communities and volunteers coming together*

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- **Caldwell County**
  - Keep Lockhart Beautiful
  - Scrap Tire Collection Events (CAPCOG Grant for \$8,460)
  - LID for Caldwell Co. Justice Center – TCEQ CWA §319(h) Grant
  - Feral Hog Task Force – CHAMP, CHOMP and more...
  - Contested Case Hearing for 130 Environmental Park – Permit No. 2383
    - March 26 at 10:00 a.m. – Caldwell Co. Justice Center
- **Hays County**
  - 2<sup>nd</sup> Annual Negley Elementary Outdoor Expo
  - Hillside Terrace Planning and Design progress
  - Aqua Texas / City of Kyle WWTF permit renewal process
  - Kyle Plum Creek Cleanup set for February 28 (KTB Waterways Cleanup)

# KEEP LOCKHART BEAUTIFUL

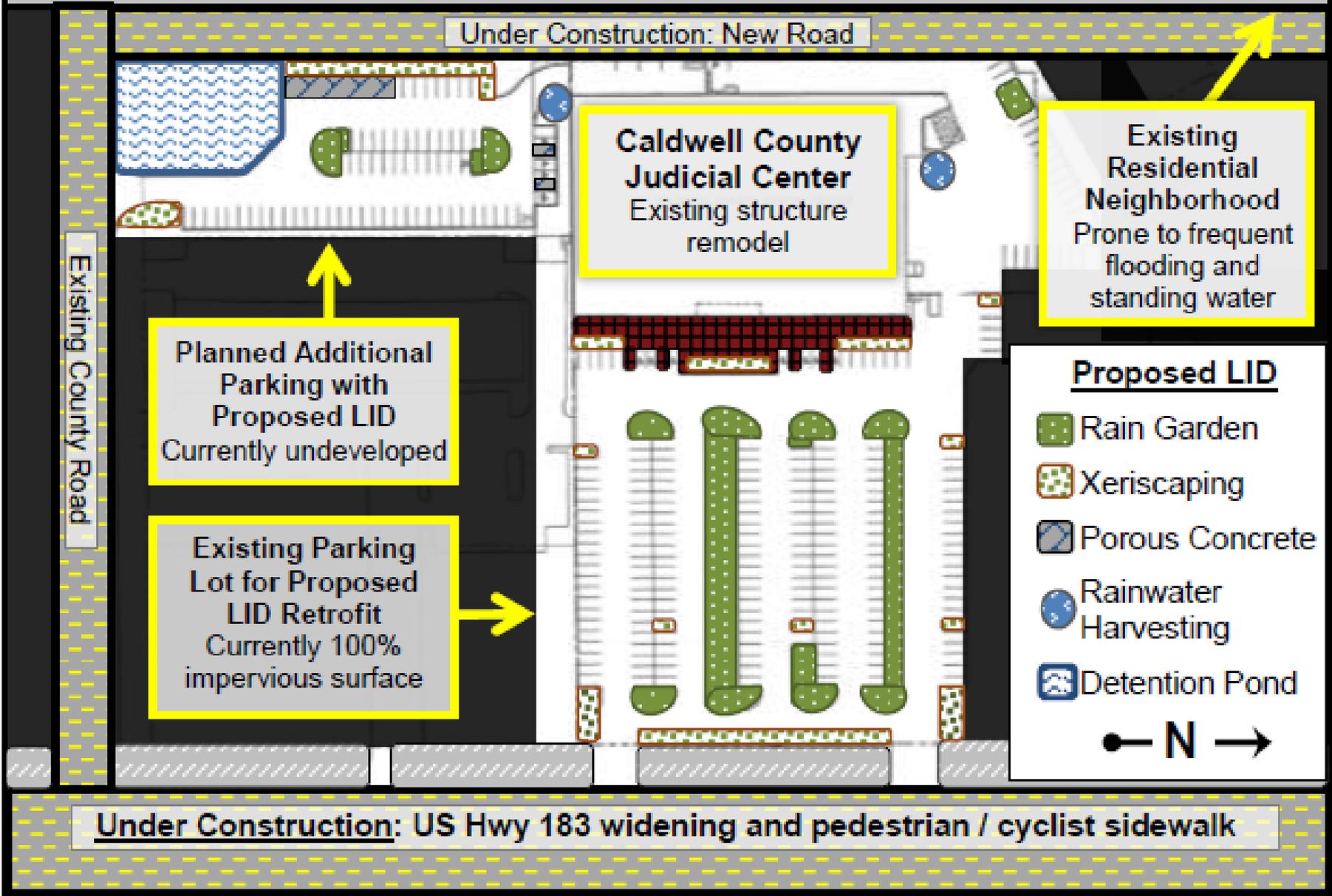
## *2015 Governor's Community Achievement Award Highlights*

- Application submitted Feb. 3, 2015
- \$160,000 "Green" project awarded by KTB (9K < 15K pop.)

- *KLB Business Partner Program*
- *7<sup>th</sup> Annual KLB Cleanup & Environmental Fair*
- *PCWP Workshops and Cleanup Events*



# Implementing LID for Caldwell County Judicial Center: Conceptual Drawing



# CHAMP Highlights

## *Implementation of the Caldwell-Hays County Feral Hog Action Plan*

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- Programs Implemented October 2013 through August 31, 2014
- Landowner Cooperative Hunting/Trapping
  - Over 150 approved participants
  - 4,060 feral hogs removed
  - \$4.66 / hog

*“Hog Hunters Appreciation Brunch, Raffle and Awards”*
- Aerial Control
  - 736 feral hogs removed
  - \$59.42 / hog (contract only)

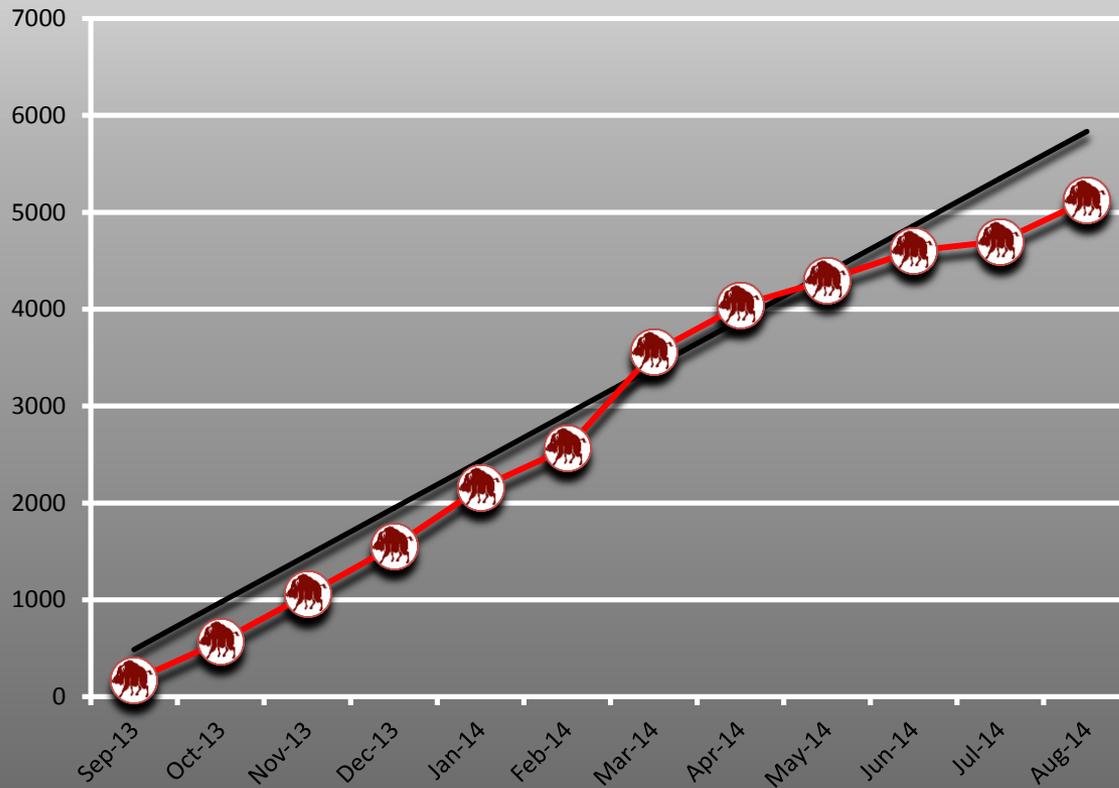
*“Log Your Hogs”*

2 Feral Hog Workshops
- Contracted Professional Hunting / Trapping
  - 326 feral hogs removed
  - \$85.41 / hog (contract only)

August 2014 Jackpot Competition
- Caldwell Co. Total Reporting = 4,438
- Hays Co. Total Reporting = 684

# Caldwell / Hays County Feral Hog Action Plan Year-1 Results

**Caldwell - Hays Reported Feral Hog Harvest**  
Sept. 1, 2013 through August 31, 2014



**1 Year Goal = 5,835**

Total 9/1/13 through  
8/31/14 = 5,122

— Program Goal

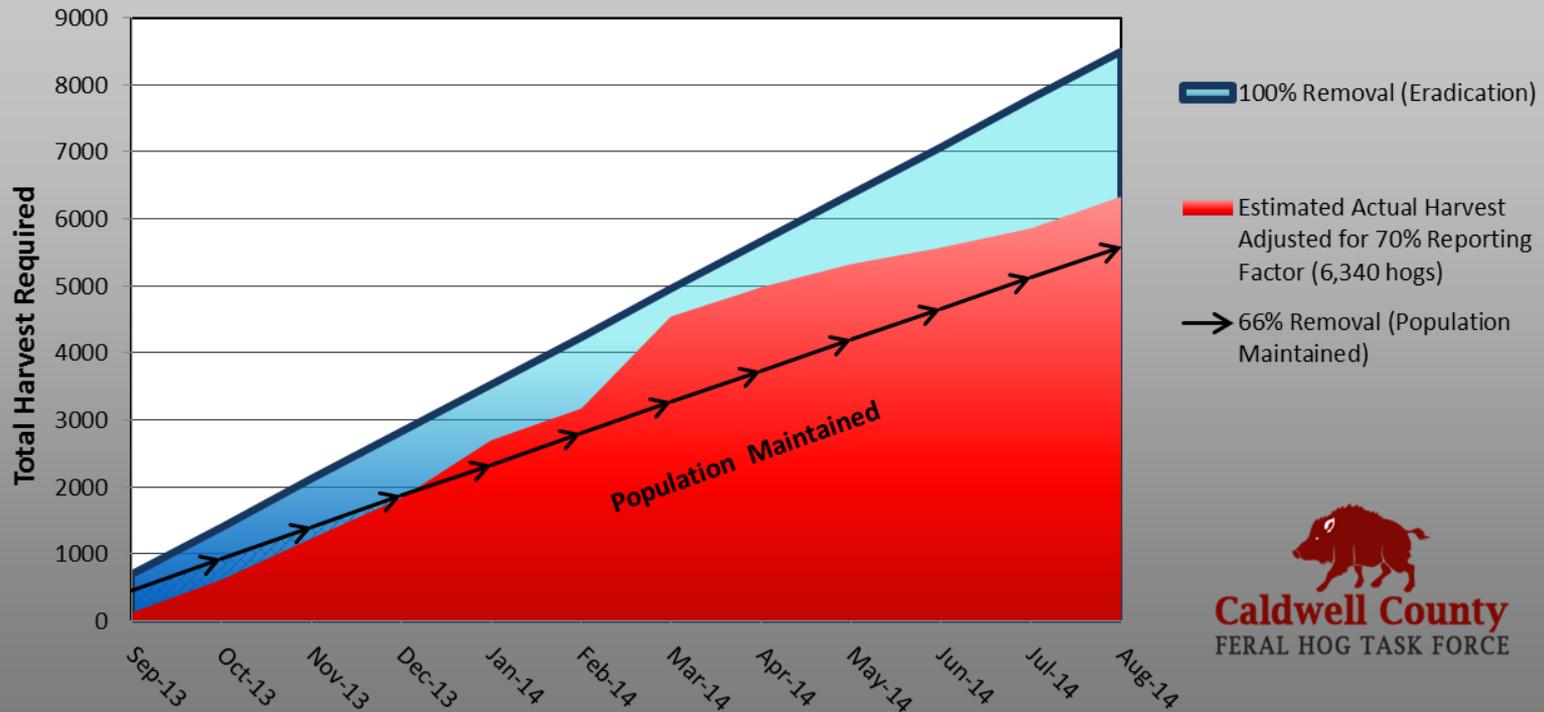
— Total Harvest Reported



**Caldwell County**  
FERAL HOG TASK FORCE

# Caldwell County Feral Hog Population Reduction Based on 70% Reporting Rate through CHAMP Programs = 6,340 hogs (74.6% of estimated pop.)

Caldwell County Harvest Rate Requirements  
Based on High Density Feral Hog Population<sup>1</sup>  
(16.4 Hogs / Mile<sup>2</sup>)



<sup>1</sup>Highest population density estimate used for "Feral Hog Population Growth, Density and Harvest in Texas, 2012"

*Continued Implementation of the Caldwell County Feral Hog Action Plan*



**Caldwell County**  
FERAL HOG TASK FORCE

*Movin' on Up...*

# CHOMP Highlights

## *Continued Implementation of the Caldwell County Feral Hog Action Plan*

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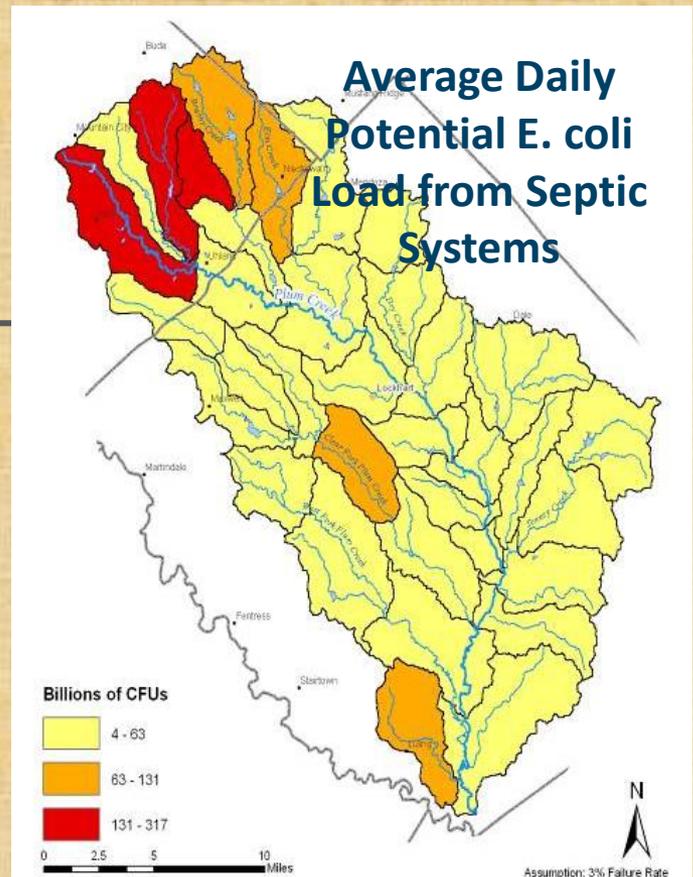
- \$5 / \$10 Bounty Program – Sept. 1 thru Nov. 30, 2015
  - Trapping = 704
  - Hunting = 139
  - Other/Unidentified = 407
  - Aerial Control (HToT and Operation Dustoff) = 110
- Education
  - 10 educational programs provided
  - Youth Education Program
  - CCFHTF Veterans' Day Salute
- Caldwell Co. Total Harvest Reported = 1,360
- Caldwell Co. Total Education = 509
- *Application submitted December 15, 2014*

*Caldwell Co. was  
top performing  
county in the state*

*\$25,000 TDA  
Grant*

# Hillside Terrace Wastewater Project

- CWSRF Loan Program providing primary funding for \$400K Planning and Design
  - 70% loan forgiveness
  - 30% Interlocal agreement between City of Buda and Hays Co.
- LAN Contracted for P&D
  - Delay on EFR and EID
  - Anticipated submittal to TWDB is mid-July
  - Release of design funds and completion by end of 2015
  - Shovel-ready 2016



Aqua Texas / City  
of Kyle WWTF  
Permit Renewal

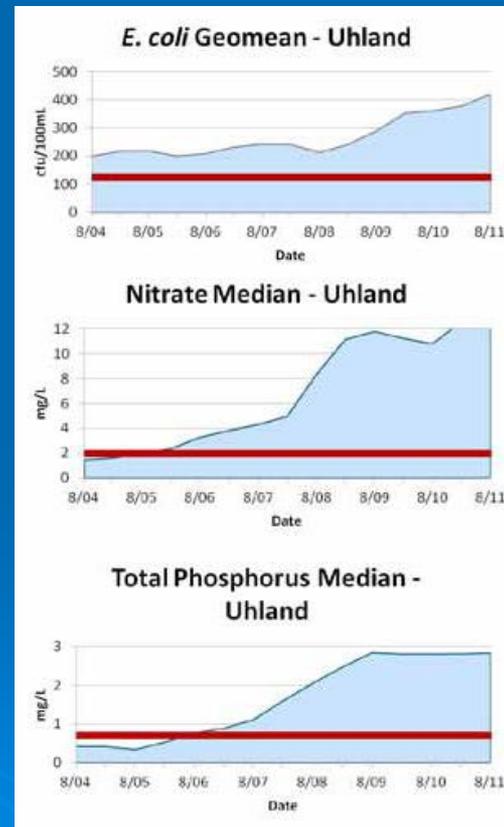
# Kyle WWTP Water Quality Monitoring - GBRA Routine Monitoring (*E. coli* only)

<u>Date</u>	<u>E. coli (cfu/100mL)</u>
4/26/2011	2170
5/31/2011	4840
6/14/2011	1970
7/19/2011	180
8/16/2011	2850
9/20/2011	>4840
10/18/2011	10
11/15/2011	150
12/6/2011	15
1/11/2012	11
2/14/2012	100
3/28/2012	1600
4/18/2012	88
5/2/2012	150
6/19/2012	72
7/11/2012	1990
7/17/2012	470*
8/22/2012	--
8/29/2012	54**
9/25/2012	820
10/17/2012	1200

\* Follow up sample

\*\* Sample not collected by request of plant operator due to broken chemical line

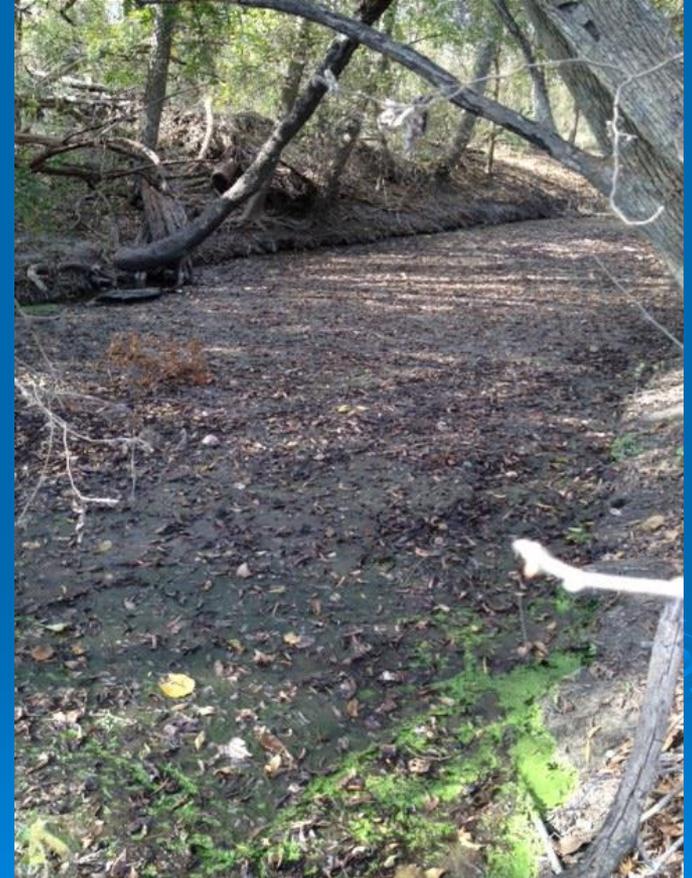
Meeting between PCWP representatives and City of Kyle staff held on June 26, 2012.



# 2012 Kyle WWTP Spills

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- Kyle WWTP operated by Aqua Texas – City of Kyle and Aqua Texas are co-permittees
- Plant malfunction resulted in spills into Plum Creek on November 20 and December 3, 2012
- Total volume of spills unknown
- Clarifier had approximately 5 to 6 feet of sludge at time of first spill
- Black sludge first noted at Heidenreich Lane during routine sampling by GBRA on November 15
- Plum Creek Development wet well filling with unusual number of solids throughout November
- November 21 photos and video taken by Watershed Coordinator shows solidification of Plum Creek up to ½ mile downstream of Kyle WWTP



# 2012 Kyle WWTP Spills

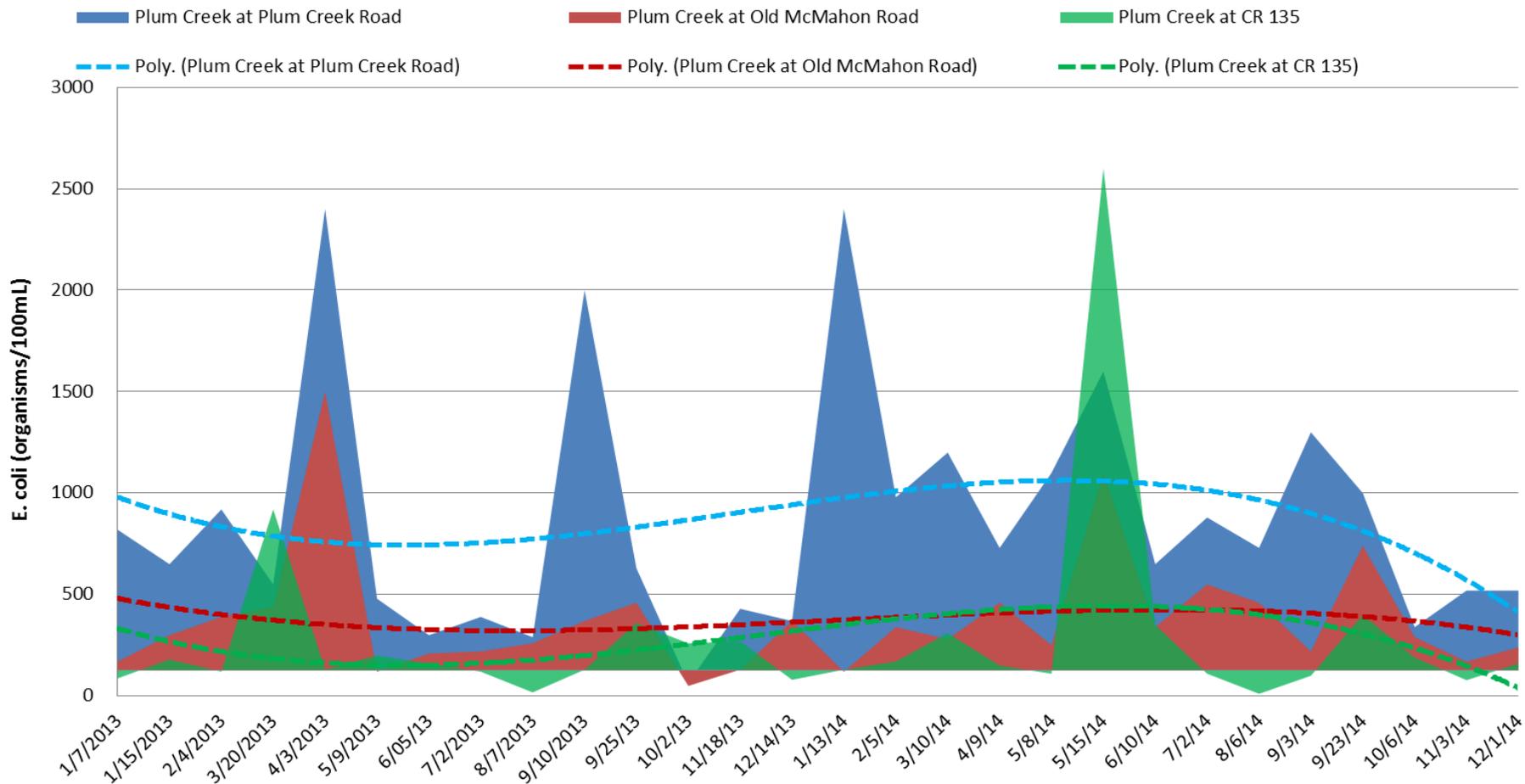
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- Vacuum trucks used for initial clean up
- Significant impact to riparian vegetation and aquatic life
- Stakeholder meeting with TCEQ staff held on December 6
- Watershed coordinator conducted approximately 10 post-spill site visits with representatives from TCEQ, Aqua Texas and TPWD
- TCEQ has requested dewatering and additional clean up by Aqua Texas. This has not yet taken place. Investigation ongoing.
- Ongoing lawsuits between Aqua Texas and City of Kyle
- *Potential SEP for watershed*



## Plum Creek CRP Sites 2013 through 2014

### *E. coli* (organisms /100mL)



# Compared *E. coli* Geomean (organisms/100mL) for 3 Plum Creek CRP Routine Sampling Sites

	<b>7-year Geomean</b>	<b>2013-14 Geomean</b>
<b>Plum Creek at Plum Creek Road (Upper)</b>	<b>490</b>	<b>684</b>
<b>Plum Creek at Old McMahon Road (Middle)</b>	<b>268</b>	<b>298</b>
<b>Plum Creek at CR 135 (Lower)</b>	<b>184</b>	<b>160</b>

# Next PCWP Steering Committee Meeting

**Thursday, May 14, 2015**

Time and location TBD

# Thanks!



Nick Dornak,  
Plum Creek Watershed Coordinator

[ndornak@plumcreekwatershed.org](mailto:ndornak@plumcreekwatershed.org)

1403 Blackjack Street, Suite B  
Lockhart, TX 78644

(512)213-7389