



CYPRESS
CREEK

Let's keep it clean, clear & flowing



Cypress Creek Project – Phase Two

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WHO WE ARE



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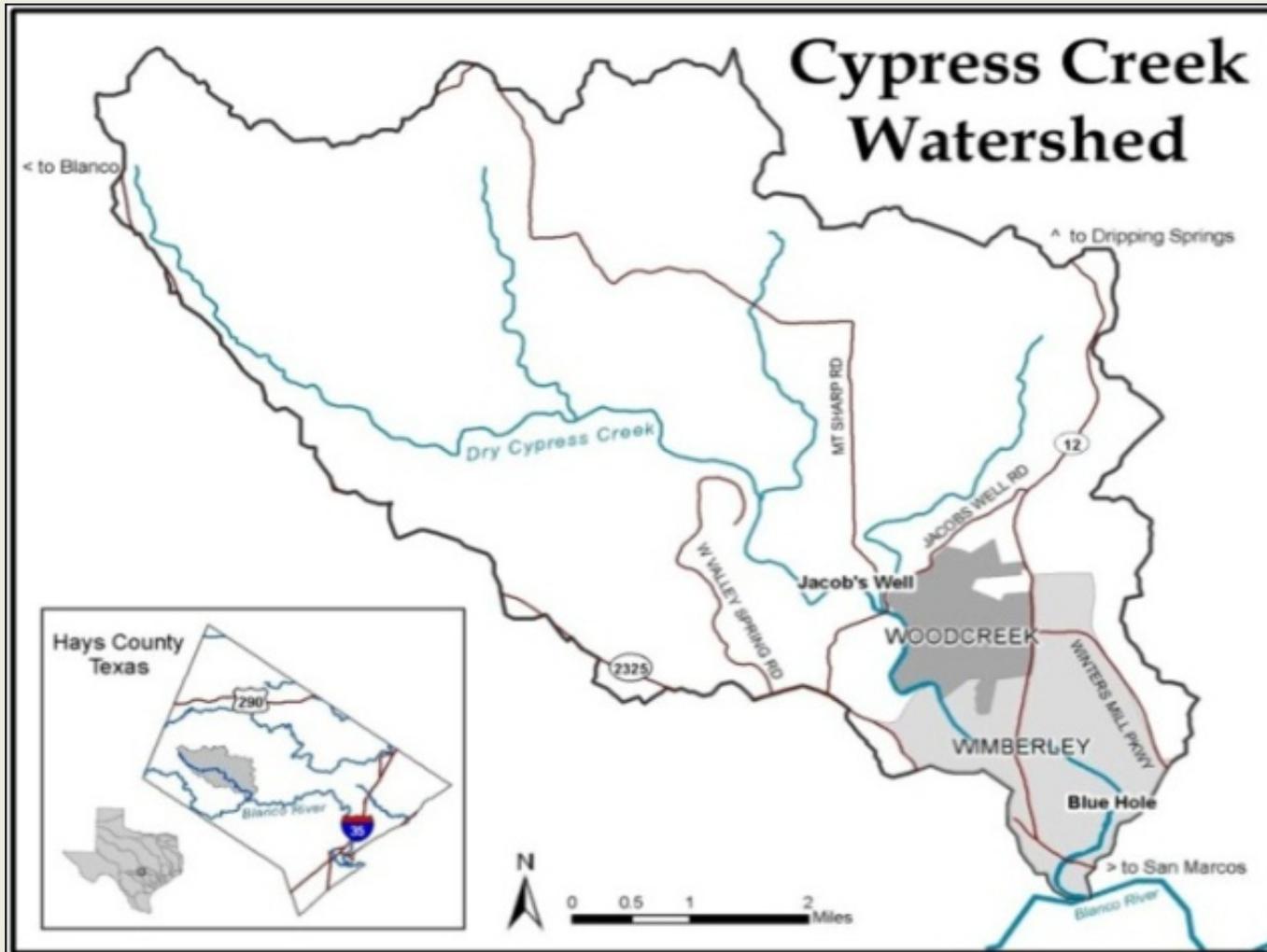


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- A joint partnership with the Texas Commission on Environmental Quality, U.S. EPA Region VI, Texas State University-San Marcos, and numerous partners.
- And a community based coalition of stakeholders that represent a broad range of interests.



The Cypress Creek Project consists of two phases.

Phase One – 2008-2010

Phase Two – 2011-2013

Phase One results:

- Stakeholder committee members identified and mobilized
- Creation of a Decision Support System
- Watershed Characterization Report



Phase One

Stakeholder Committee:

- Comprehensive list of stakeholders were identified
- 20 were chosen to form the Cypress Creek Watershed Committee
- Subcommittees were created to target specific issues of concern
 - Water Quality
 - Water Quantity
 - Land Stewardship
 - Economics
 - Education and Outreach
 - Decision Support System

Phase One

Decision Support System:

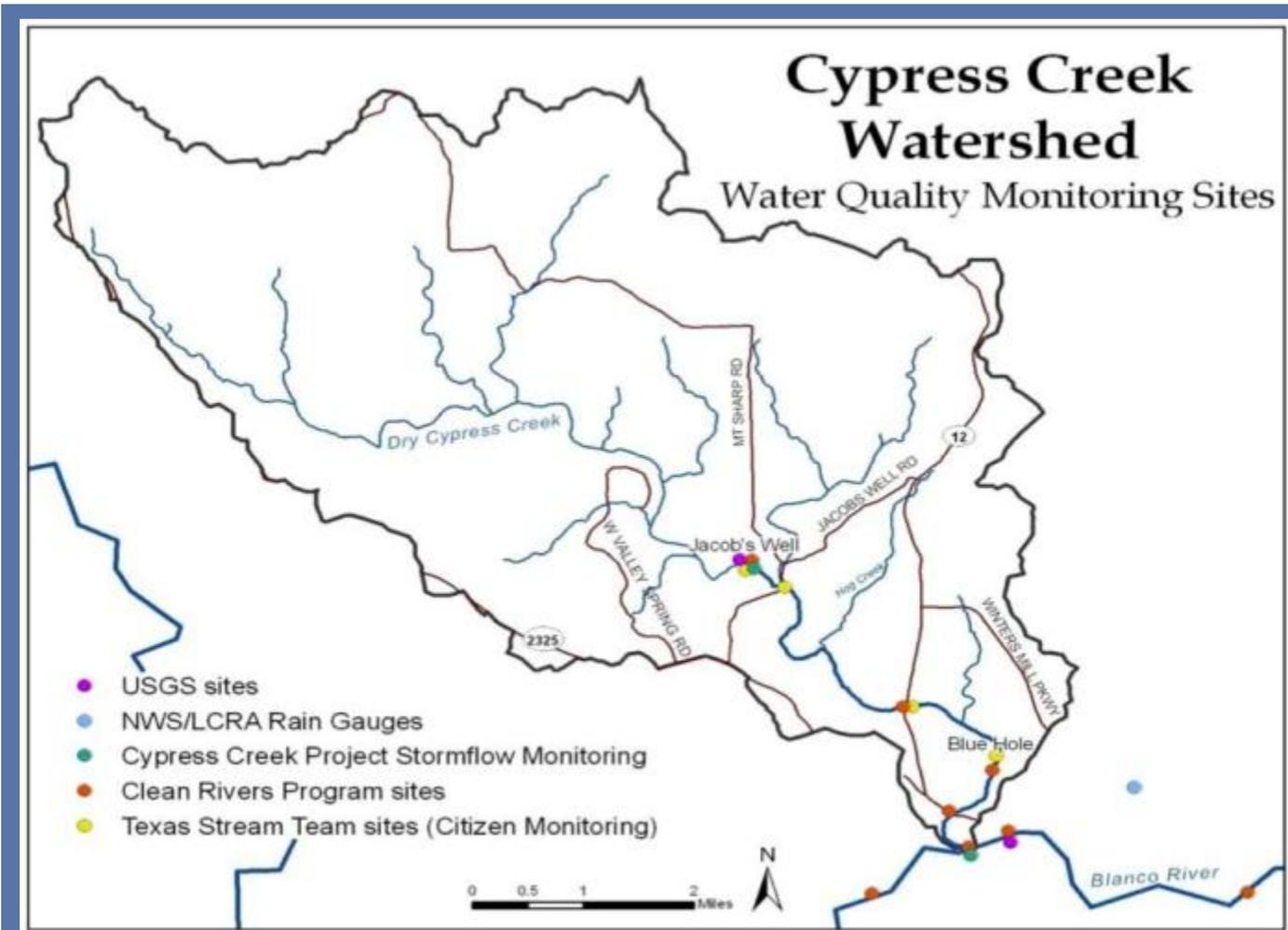
- Combines information from:
 - Monitoring
 - AGWA2 model for ArcGIS results
 - Automates SWAT and KINEROS
 - Stakeholder inputs and priorities
- The DSS was developed to assist stakeholders and regulatory agencies with jurisdiction in the area to generate scenarios, evaluate outcomes, and ultimately to develop a Watershed Protection Plan based on these analyses.

Watershed Characterization Report:

- Cypress Watershed Characteristics
- Identified non-point source pollution concerns in the watershed:
 - Impervious cover, nitrogen, phosphorous, ammonia, TSS, *E. Coli* and dissolved oxygen.
- Subcommittee Recommendations

Phase One

Phase One



Jacobs Well 12677, RR12 North 12676, Blue Hole Spring 12675, RR12 downtown 12674, Confluence 12673

The Cypress Creek Project consists of two phases.

Phase One – 2008-2010

Phase Two – 2011-2013



Phase Two happenings:

- Builds on efforts of Phase One
- Stakeholder committee members engaged
- SWAT model used
- Development and Implementation of a Watershed Protection Plan

Phase Two

Stakeholder Committee:

- RSI and Cypress Watershed Committee members identified 12 stakeholders to form the Phase Two Workgroup
- They will combine modeling results and knowledge of the watershed to choose potential Best Management Practices (BMPs)
- Vote to adopt chosen BMPs and implement the WPP they create.

Phase Two

Soil and Water Assessment Tool (SWAT):

- Uses elements of the DSS developed in Phase One
 - Monitoring data collected in Phase One used to calibrate model for the Cypress Creek
 - Dr. Adrian Vogl
- Build out scenario of watershed
 - 50%
- Present results of model to Stakeholders to assist in choosing BMPs

Develop and Implement a Watershed Protection Plan:

- 5 workgroup/stakeholder meetings
- Project partners to advise
 - TSSWCB, AgriLife Extension Service
- Draft WPP anticipated by August 2012
- Final WPP by July 2013

Phase Two

PROJECT INFORMATION

- Cypresscreekproject.org



Thank you!

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