

The Geronimo and Alligator Creeks Watershed Protection Plan



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Texas A&M AgriLife Extension



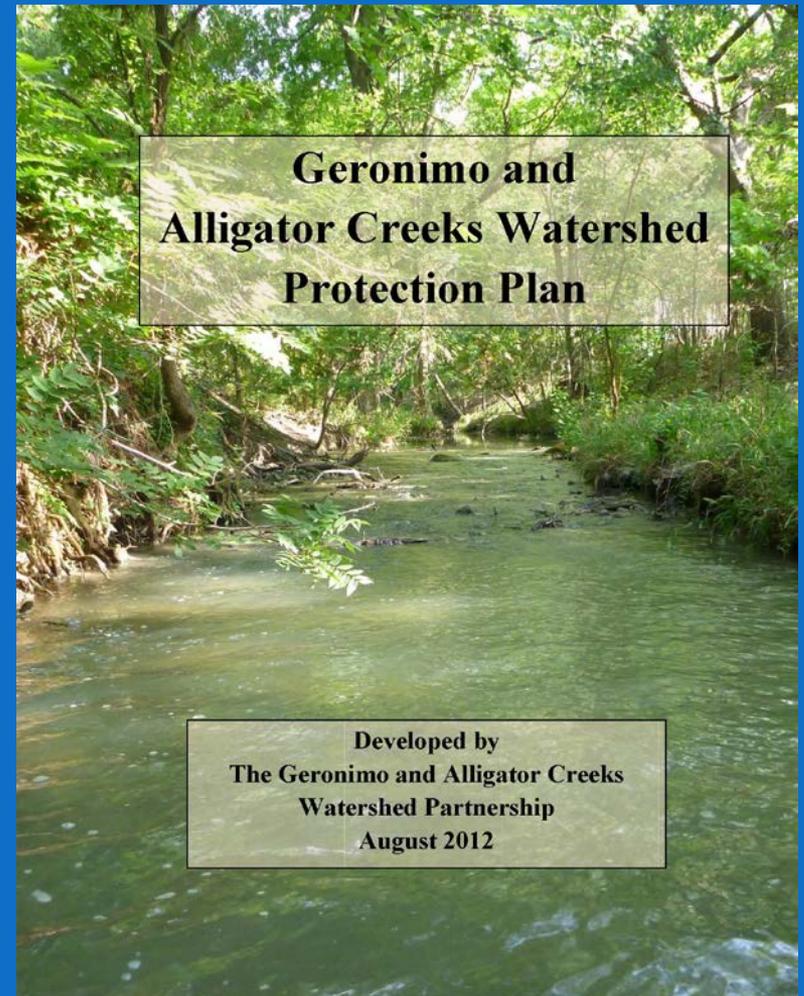
Water Quality

- Geronimo Creek was listed on the 2006 303(d) list for not supporting its contact recreation use
 - 2008 assessment, *E. coli* geomean of 162 cfu/100mL
- Geronimo Creek was first listed in 2000 for concern for nutrient enrichment
 - 2008 assessment, all 60 samples exceeded 1.95 mg/L nitrate-nitrogen



Good News!

- EPA accepted the Geronimo and Alligator Creeks WPP on September 13, 2012
- WPP development began in late 2009
- 27 meetings and workshops
- 27,646 website hits



WPPs in Texas

- TCEQ has 14 active projects and completed 6 WPPs
- TSSWCB has 13 active projects and completed 4 WPPs
- Of the 10 total plans completed, only 3 have been accepted by EPA
 - Plum Creek WPP, Lake Granbury WPP, and the Geronimo and Alligator Creeks WPP

Participation

- Steering Committee members and stakeholders who assisted with the development of the Watershed Protection Plan will now have the opportunity to assist and participate in the implementation of the plan

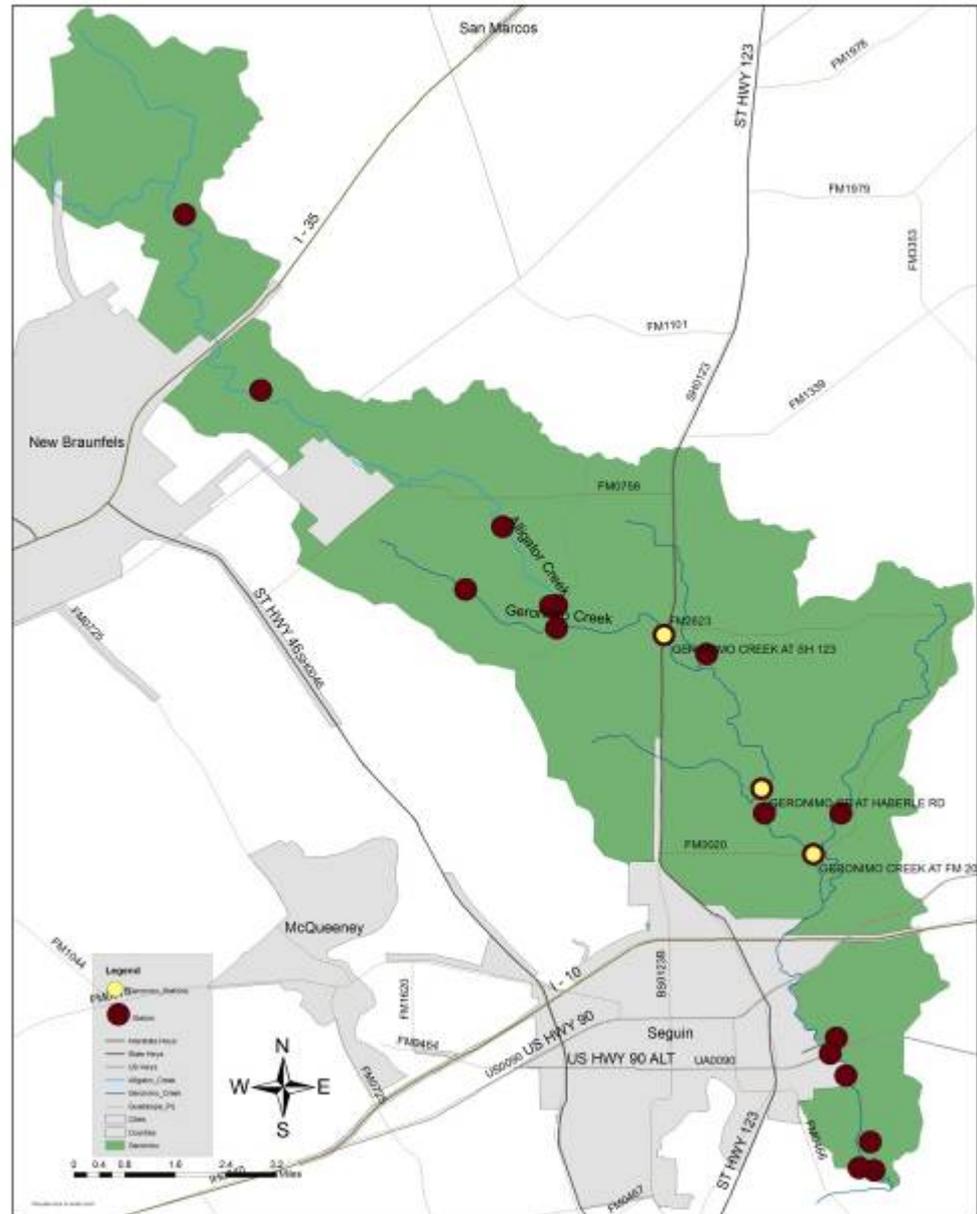


Implementation Partners



Water quality monitoring will continue in Geronimo and Alligator Creeks

Geronimo and Alligator Creeks Watershed



Urban Nonpoint Source Management Measures

- Pet waste stations
- Pet spay/neuter programs
- Urban stormwater assessments
- Phase II Permit activities
- Street sweeping
- Enhance stormwater management practices
- Modify stormwater conveyance systems



Wastewater Management Measures

- NBU's and Seguin's Sanitary Sewer Overflow Initiatives
- Modifications to the Geronimo Creek Lift Station
- Septic System Homeowner workshops
- Septic system replacement/repair
- Septic system decommissioning
- Household hazardous waste programs



Agricultural Nonpoint Source Management Measures

- New SWCD Field Technician to assist agricultural producers with Water Quality Management Plan development and implementation
- Educational programs and workshops for agricultural producers
- Feral hog education and management

Implementation Activities

So, lets take a look at what has already started...



City of Seguin

- Applied for funding in July 2012 to assist homeowners in OVN with septic system decommissioning
- Recently notified that the application scored well and is in the running for further consideration by TCEQ and EPA
- Seguin has been in talks with TCEQ to make necessary modifications to the application
- If selected for award, contract would begin in Sept 2013



Decommissioning Project

- If funded, project would fund decommissioning costs that the homeowners in OVN would be responsible for
- Estimated average cost of \$1,500 to decommission a septic system
 - Pump contents of septic tank
 - Remove the tank cover
 - Fill tank with sand/gravel
- Decommissioning is a state requirement



104 & 106 Long Ln, New Braunfels, TX - Off State Hwy 1044

AgriLife Extension

- I will continue my role as watershed coordinator
 - Quarterly Partnership Meetings
 - Newsletter
 - Email/web updates
 - Assist entities with funding opportunities
 - Assist with coordination of implementation
- Provide educational opportunities for watershed stakeholders

Educational Opportunities

- Texas Watershed Steward Workshop
- Texas Well Owner Network Workshop
- Lone Star Healthy Streams Program
- Sports and Athletic Field Education workshops
- Septic system workshops
- Bacteria, nutrient, and pesticide management programs
- Soil and water testing campaigns
- Nonpoint Education for Municipal Officials trainings
- Master Gardener and Naturalist training

Comal-Guadalupe SWCD

- A grant application was submitted last month to create a new position in the watershed for the Comal-Guadalupe SWCD to assist agricultural producers with development and implementation of WQMPs (78)
- WQMPs are voluntary, site-specific management plans for individual agricultural operations

County	Subwatershed	Animal Units	Number of Farms	Recommended # of WQMPs
Comal	1	54	2	1
Guadalupe	2	126	4	1
	3	128	4	1
	4	249	8	2
	5	149	5	1

Field Technician

- The field technician position would be an employee of the Comal-Guadalupe SWCD
 - Responsible for hiring and managing the employee
 - Funding would be provided by TSSWCB
 - The technician would be tasked with working with watershed agricultural producers to better manage runoff from their operations



Feral Hog Control

- The new Feral Hog Education Program Assistant, Jared Timmons, will focus on feral hog management in the Geronimo and Alligator Creeks watershed
- The position will work directly with landowners to manage hog populations in the watershed

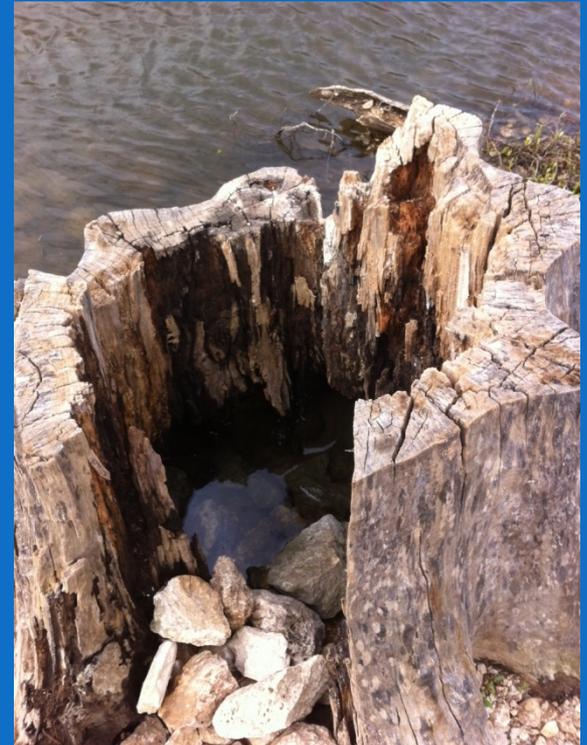


Measures of Success

- We will utilize Adaptive Implementation throughout implementation
 - ongoing, cyclic implementation and evaluation process to focus efforts and optimize impacts
 - Track and report on implementation through quarterly Partnership meetings
 - Critically evaluate implementation about every 3 years

Events for 2013

- Quarterly Partnership meetings
- Semi-annual newsletter
- Brief city councils and county commissioner courts
- Grant opportunities
- Stream Cleanup



Thank You!

Questions, comments and discussion

