

# Lampasas River Watershed Partnership

Outreach and Education Work Group

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# April Work Group Meeting

- ▶ Educational Materials
- ▶ Branding of Project
  - Logo
- ▶ Educational Opportunities
  - Community Events
  - Signage
  - Brochures/Flyers

# 2010 Integrated Report

- ▶ Public Comment Period ended March 8<sup>th</sup>, 2010
- ▶ Surface Water Quality Monitoring staff has reviewed and incorporated comments
- ▶ DRAFT 2010 Texas Integrated Report will be presented to the TCEQ Commission for its consideration to approve the IR and submit to the EPA at the August 25<sup>th</sup> agenda.
- ▶ Final draft and responses to public comments will be posted on the following web site upon Commissioner approval: <http://www.tceq.state.tx.us/compliance/monitoring/water/quality/data/10twqi/10twqi>

# Outreach and Education Work Group Tasks

# Development of Partnership Logo

- ▶ What does the Lampasas River and Watershed mean to you?
  - Clear water
  - Kayaking
  - Swimming
  - Fishing
  - Hanna Springs Pool
  - Habitat
  - Rugged rangeland
  - Lush river bottoms
  - ??



# Development of Partnership Logo

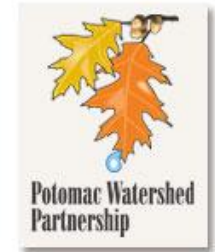
## ▶ What Does “Lampasas” Really Mean

- One of the earliest definitions found so far appeared in the Galveston Daily News of June 24, 1884, which said, "Lampasas is of Spanish etymology and signifies a level plain or tract of country."
- Other sources say it is a Mexican word meaning "water lilies," or an Indian word meaning "firefly."
- The 1936 Texas Historical Marker for the county reads: "The name Lampazos, first given to the river by the Spaniards, was suggested by the many cockle-burs in the region." That may be a mistake in understanding the Spanish definition or a local Mexican term of Lampazos.
- Gilberto Galindo and his grandson, Leo Ibarra, made the trip from Mexico to Lampasas to find out what they could about our city. Gilberto does not speak English and brought his grandson along to translate.
- Through Gilberto's translator, I think I learned that "Lampazo" and "Lampazos" are names for different plants. And after their visit, I went to the Internet and found that Lampazo might mean "burdock," and Lampazos might be the name for the plant we call elephant ears.
- Burdock are sometimes confused with cockleburs and rhubarb.

\*\*Excerpt from Lampasas Dispatch Record; Sept 9, 2008



# Other Watershed Logos



LOADING



# Outreach and Education Efforts in WPPs across Texas

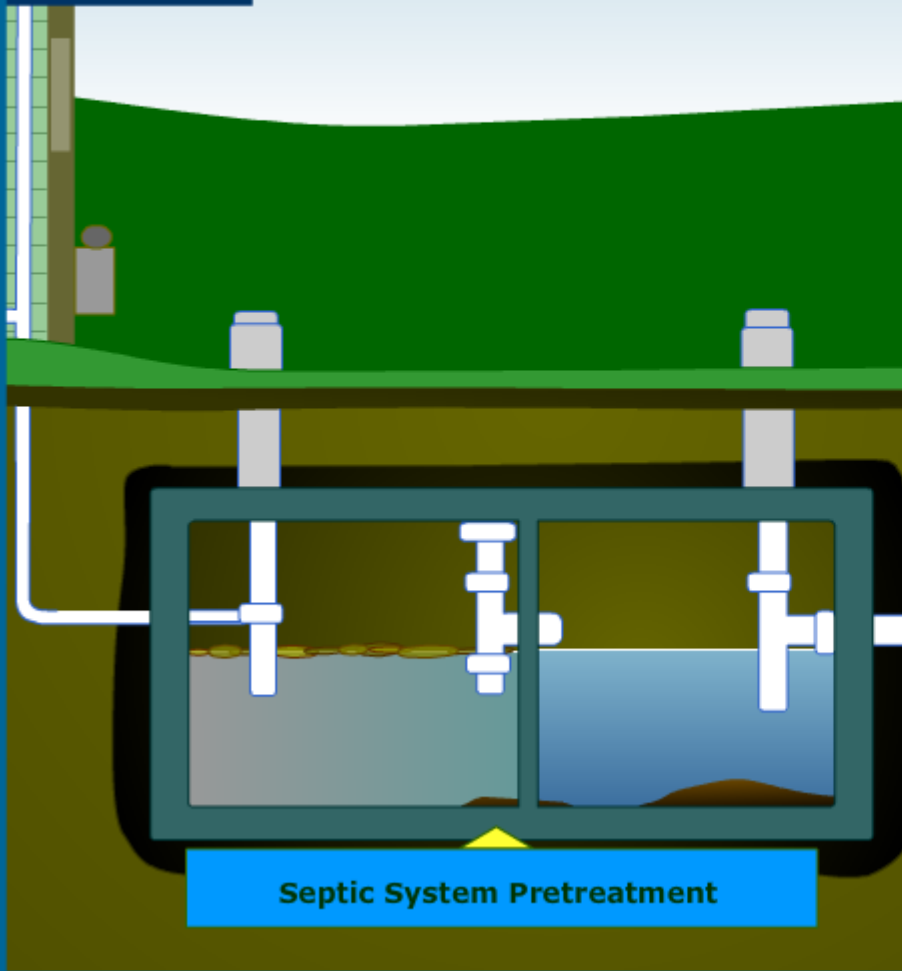


# Plum Creek Watershed Partnership

- ▶ Watershed Protection Campaign Brochure
- ▶ Tributary and Watershed Roadway Signage
- ▶ Rainwater Harvesting Education
- ▶ Elementary School Water Quality Project
- ▶ Urban Runoff
  - Stormwater BMP Demonstration
  - Household Hazardous Waste Collection Days
  - Pet Waste Programs
- ▶ Septic Systems
  - Online Training for Septic System Owners

# HOW A SEPTIC SYSTEM WORKS

To House



## Conventional Septic System Pretreatment

In the pretreatment portion of a septic system, many of the contaminants are removed from the wastewater in order to prepare it for final treatment and discharging into the environment. Contaminants in the wastewater include harmful bacteria that can cause illness, as well as nitrogen and phosphorus that can stimulate algae growth in water bodies.

Run the Water

Conventional System

Aerobic System

Final Treatment and Dispersal

Septic System Pretreatment

# Plum Creek Watershed Partnership

- ▶ **Wastewater**
  - Fats, Oils, and Grease Workshops
- ▶ **Agriculture**
  - Soil and Water Testing Campaigns
  - Livestock Grazing Management
- ▶ **Wildlife and Non-Domestic Animals**
  - Feral Hog Management Workshops
- ▶ **Illegal Dumping/Litter Campaign**
  - Identification of Priority Clean-up Sites

# Arroyo Colorado Watershed Partnership



- ▶ Establish a Brand
  - Logo
  - Watershed Brochure
- ▶ Deliver Basic Facts about the Arroyo Colorado
  - Presentations
  - Fact Sheets
- ▶ Raise Awareness and Increase Community Involvement in the ACWP Initiative
  - Public Service Announcements
  - Utility Bill Inserts
- ▶ Develop Partnership Agreements for Message Distribution
  - Target Agricultural, Ecotourism, Sportsmen, Educational Organizations
- ▶ Create Micro-campaigns for Specific Target Audiences
  - Customize Outreach Efforts to Target Audiences

# Arroyo Colorado Watershed Partnership

- ▶ Institutionalize a Practice of Campaign Evaluation
  - Telephone Research and Stakeholder Interviews
- ▶ Establish Volunteer Monitoring Programs
  - Texas Stream team
  - Conduct Water Quality and Nonpoint source Pollution Conferences and Workshops
- ▶ Collaborate with Government Agencies Offering Environmental E&O
  - TPWD Wildlife Expos
  - Glean Texas GreenScapes
- ▶ Collaborate with NGOs Supporting Environmental Education and Conservation Programs
  - Annual Irrigation Conference
  - Ducks Unlimited

# Identify Potential Audiences

- ▶ Broad-based programs targeted at general public
- ▶ Targeted programs intended to reach specific audiences within the watershed
- ▶ Concerns already raised by Work Groups:
  - Illegal dumping
  - Solid waste removal at hunting camps
  - Feral hog control
  - Brush control
  - Septic tank maintenance
  - New small acreage homeowner educational materials



# Groundwork for Possible Future Efforts

- ▶ Water camp for children
- ▶ Water quality monitoring program within schools
- ▶ River cleanups
- ▶ Waterway signage

# Calendar of Possible Community Events

- ▶ Bell County Kidfest – July or August
- ▶ Kids Expo at Bell County Expo Center
- ▶ Celebrate Killeen!
- ▶ Bell County Crop and Livestock Conference
- ▶ Bell County Professional Groundskeeper Council
- ▶ Bell County Water Symposium – November
- ▶ Lampasas Spring Ho
- ▶ Harker Heights 50th anniversary “Dana Peak Park”
- ▶ Willow Springs Elementary School Science Fair – May 14
- ▶ Earth Day – Harker Heights Elementary School
- ▶ Earth Fest – Lampasas – May
- ▶ National Pollution Day – September 28 –Killeen
- ▶ Others??

# Open Discussion

# Next Steps

# Upcoming Business

- ▶ Possible dates for July Steering Committee meeting
  - Thursday, July 8<sup>th</sup>
  - Thursday, July 15<sup>th</sup>
- ▶ Tentative items for discussion
  - Sampling location recommendations for upcoming Bacterial Source Tracking project
  - Steering Committee approval of initial SELECT analysis
  - Discussion of bacterial load reductions based on LDC analysis
- ▶ NRCS Riparian Function Workshop
  - Is there any interest in organizing one for stakeholders