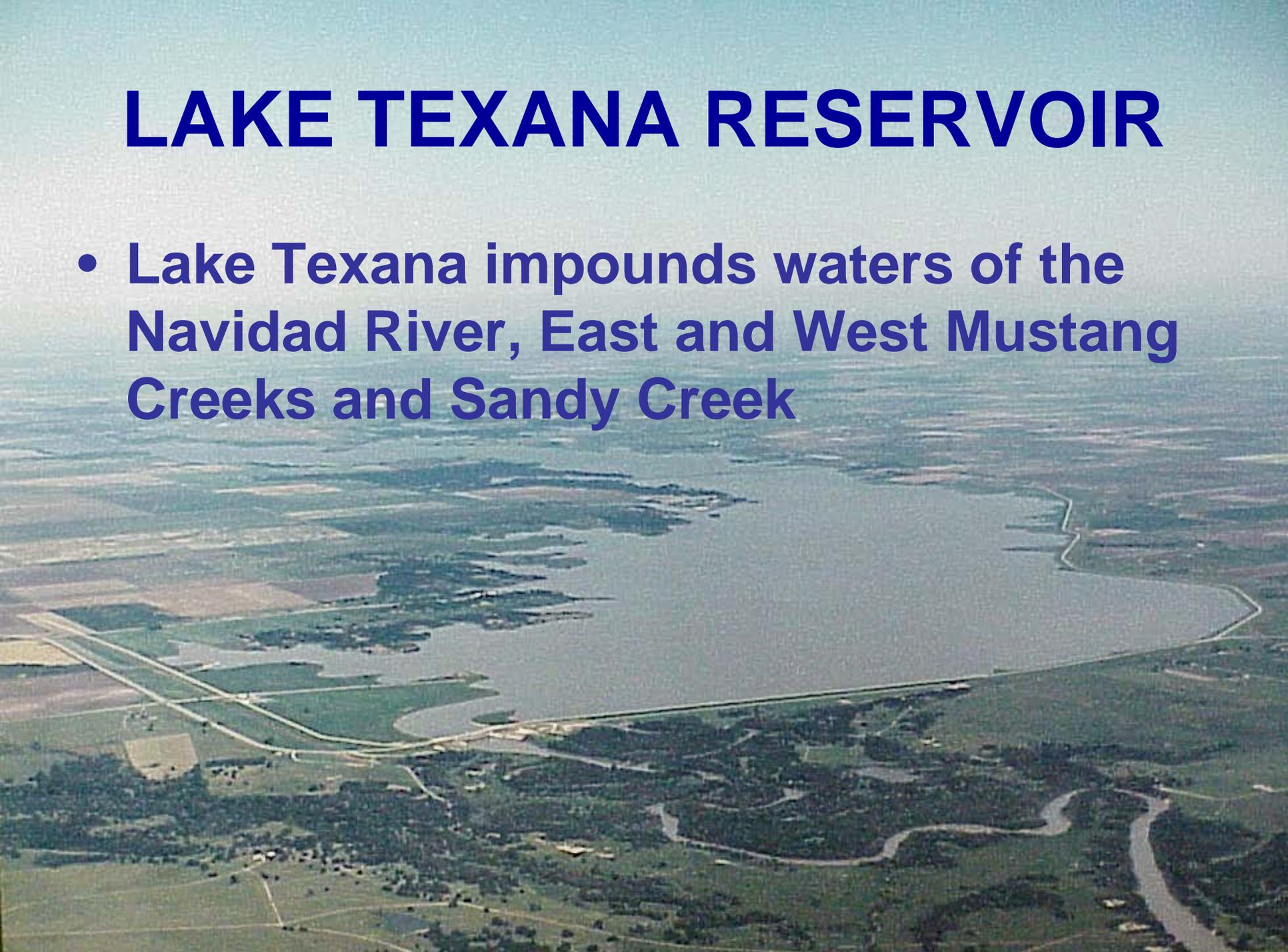


LAKE TEXANA RESERVOIR

- Lake Texana impounds waters of the Navidad River, East and West Mustang Creeks and Sandy Creek



PALMETTO BEND SPILLWAY AT LAKE TEXANA



Downstream from the spillway released waters converge with the free-flowing Lavaca waters to flow to Lavaca Bay.





Water Quality in Lavaca Basin remains in a relatively high state due to:

- Low density of human population
- Investments in wastewater treatment improvements by municipalities & industry
- High priority placed on watershed protection to preserve the integrity of basin water resources for municipal, industrial, agricultural, recreational, and fish & wildlife purposes
- Public involvement and cooperation

Water Quality Objective and Priorities

- **To protect water resources of the Lavaca Basin**
 - **To provide good water quality to our water customers**
 - **To protect habitat for wildlife and fish**
 - **To gather quality-assured, reliable data for assessment and decision-making**
 - **Public outreach and education**
- 
- A photograph of a spotted fawn resting on the ground at the base of a large tree trunk. The fawn is facing the camera and has a brown coat with white spots. The background is a lush green field with some taller grasses and a path visible in the distance.

The Texas Clean Rivers Program

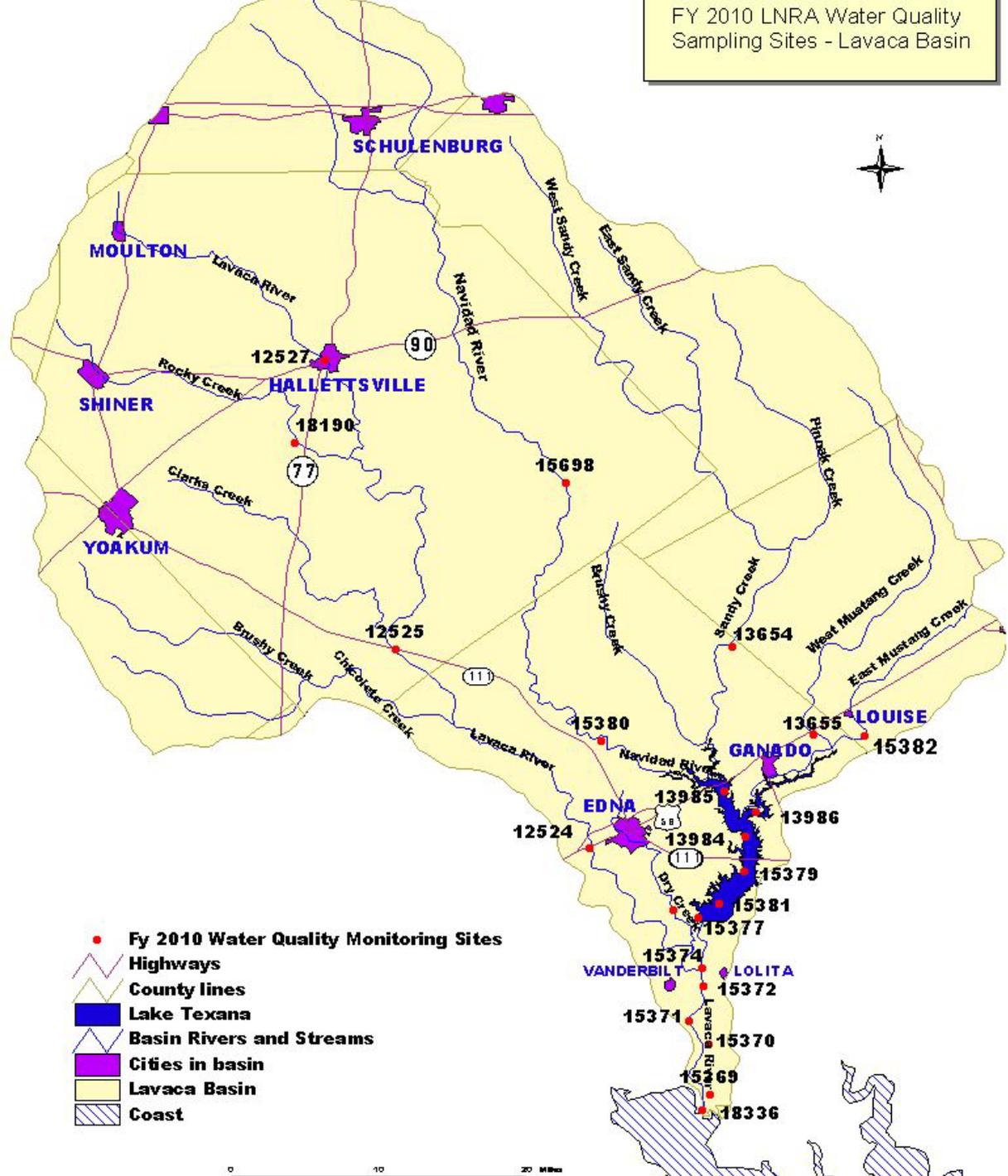
- Clean Rivers Act passed by Texas Legislature in 1991
- TCEQ contracts with river authorities and other entities as CRP Partners
- Together we conduct water quality monitoring and assessments in the 23 river and coastal basins of Texas
- CRP Goal is to maintain and improve the quality of water resources throughout the state of Texas

Lavaca-Navidad River Authority (LNRA)

gathers the water quality data for
Basin 16,
Lavaca Basin

We contract with USGS to sample
for metals, herbicides, and
pesticides

FY 2010 LNRA Water Quality
Sampling Sites - Lavaca Basin



Monthly Field Data

- pH
- Dissolved oxygen
- Specific conductance
- Salinity (at tidally influenced stations)
- Water temperature
- Secchi disk depth (water clarity)
- Flow

Quarterly Conventional Parameters:

- ◆ Total Alkalinity
- ◆ Chloride
- ◆ Ammonia
- ◆ Nitrate Nitrogen
- ◆ Total Organic Carbon (TOC)
- ◆ Turbidity
- ◆ Total hardness
- ◆ Sulfate
- ◆ Total Suspended Solids (TSS)
- ◆ Total Phosphorus
- ◆ Idexx *E.coli* indicator bacteria

- ◆ Chlorophyll A at the reservoir sites (#15377, 15381, 15379, 13984, 13985, 13986)

On-line Water Quality Database

- Available from LNRA website
- www.LNRA.org
- Education and Programs
- Water Quality Program
- LNRA Water Quality Database
- Contains both CRP and USGS data
- Take my card and give me a call or e-mail for more information or assistance navigating the database

CRP Reports issued annually

- Every 5 years a large, detailed Basin Summary Report
- All available on LNRA website
- 2010 Lavaca Basin Highlights Report available here today

Water Quality Program / Clean Rivers Program

LNRA Water Quality Database

SWQMIS Data Viewer

[2009 Basin Highlights Report Update](#)

[2008 Basin Highlights Report](#)

2008 Texas Water Quality Inventory and 303(d) List

[FY 2009 Water Quality Monitoring Map](#)

[FY 2010 Coordinated Monitoring Schedule for Lavaca Basin](#)

[FY2010-2011 Work Plan](#)

2007 Lavaca Basin Summary Report

[FY2010-2011 Quality Assurance Project Plan \(QAPP\)](#)

[Minutes of 2009 CRP Annual Steering Committee Meeting \(7-28-09\)](#)

[Minutes of 2008 CRP Annual Steering Committee Meeting \(7-28-08\)](#)

[2006 Basin Highlights Report](#)

[2005 Basin Highlights Report](#)

[2004 Basin Highlights Report](#)

[2003 Basin Highlights Report](#)

[2002 Basin Summary Executive Summary](#)

[2001 Highlights Report](#)

[2000 Highlights Report](#)

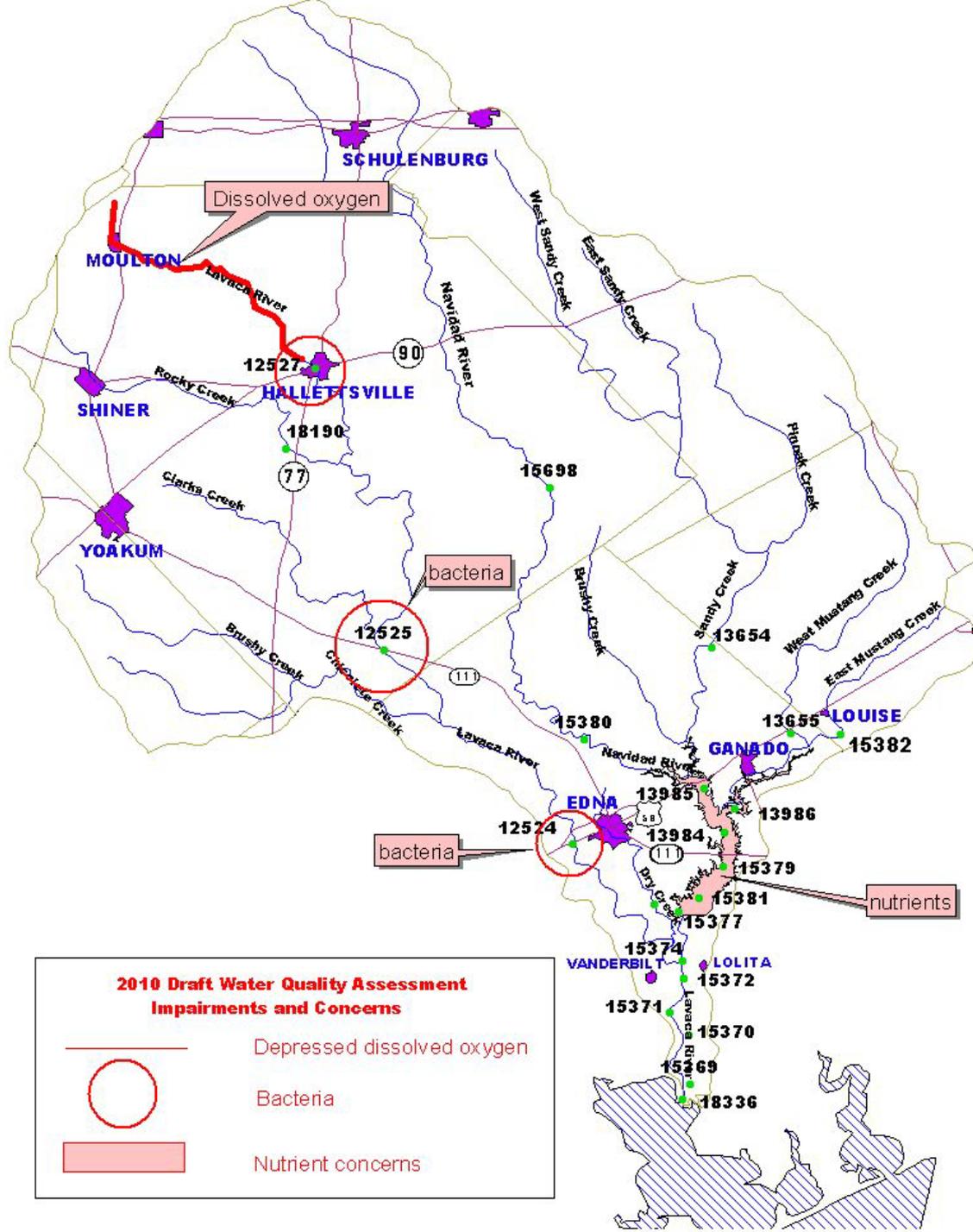
[2001 Special Study Executive Summary](#)

[2001 Special Study Results](#)

[2006 Texas Water Quality Inventory and 303\(d\) List](#)

[2004 Texas Water Quality Inventory and 303\(d\) List](#)

[2002 Texas Water Quality Inventory and 303\(d\) List](#)



UPPER LAVACA NEAR MOULTON



LAVACA RIVER at HALLETTSVILLE



LAVACA RIVER BELOW SPILLWAY





Rocky Creek 2003



Rocky Creek during drought

2009 7 26



Any questions?

03/14/2008