

Texas Stream Team (formerly Texas Watch) and River Systems Institute

Presentation for the

Guadalupe River Basin 2008 Annual Clean Rivers Program

Jason Pinchback, Acting Director, Texas Stream Team

Texas Commission on Environmental Quality
and the U.S. EPA are predominantly funding
the Texas Stream Team program.



Watershed Education



Water Quality Monitoring



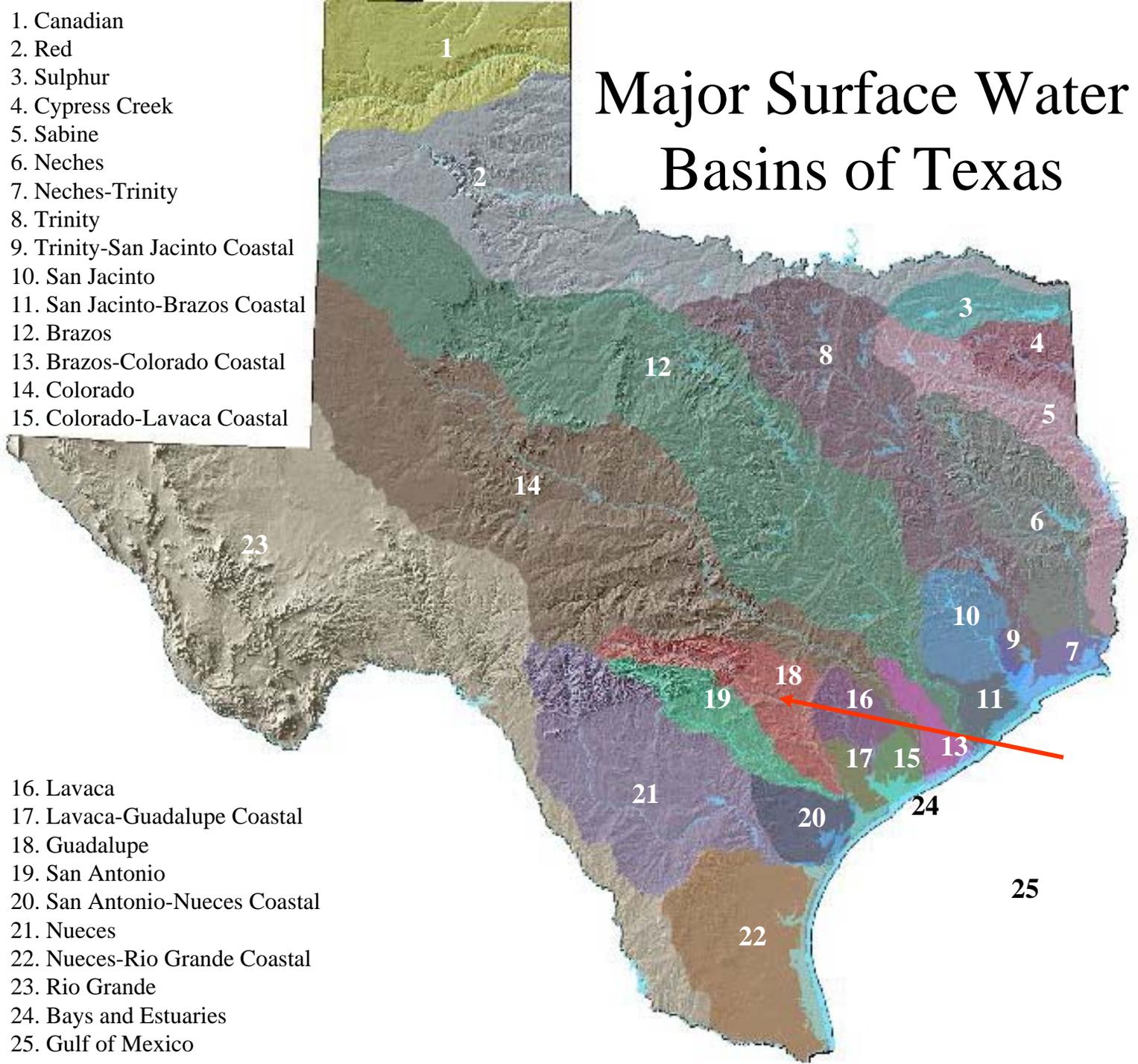
Community Action



Major Surface Water Basins of Texas

1. Canadian
2. Red
3. Sulphur
4. Cypress Creek
5. Sabine
6. Neches
7. Neches-Trinity
8. Trinity
9. Trinity-San Jacinto Coastal
10. San Jacinto
11. San Jacinto-Brazos Coastal
12. Brazos
13. Brazos-Colorado Coastal
14. Colorado
15. Colorado-Lavaca Coastal

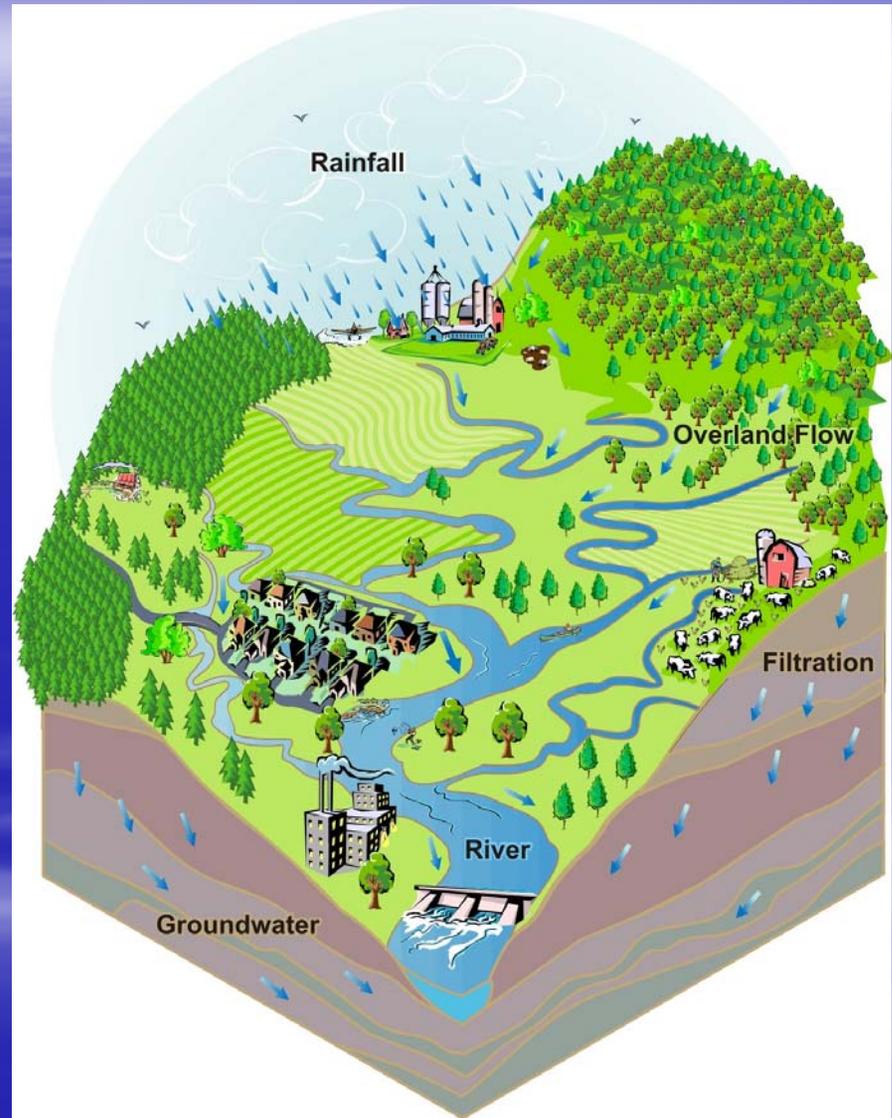
16. Lavaca
17. Lavaca-Guadalupe Coastal
18. Guadalupe
19. San Antonio
20. San Antonio-Nueces Coastal
21. Nueces
22. Nueces-Rio Grande Coastal
23. Rio Grande
24. Bays and Estuaries
25. Gulf of Mexico



A Watershed...

...is the area in which water, sediments, and pollutants drain into a common body of water

Everyone lives in a watershed



Texas Stream Team (formerly Texas Watch)

- Established in 1991
- In 2007 – nonpoint source pollution reduction education for about 60,000 people
- Approximately 1,000 sampling sites
- Approximately 2,500 active monitors
- Approximately 2,000 sample events/year

Environmental Data

- Dissolved Oxygen
- pH
- Specific conductance
- Temperature
- E.coli
- Secchi Depth Transparency
- Flow severity
- Field and nonpoint source observations

Data Uses

Non-regulatory uses, with focus on:

1. Screening and baseline
2. Problem identification
3. Research and education
4. Local decisions
5. Other uses as deemed appropriate by the data user

2007 Guadalupe River Basin Activity Monitoring Highlights

- 8 water chemistry trainings
- 3 E.coli/contact recreation trainings
- 2 Texas State trainings for teachers
- New activities: Lone Man Creek, Cypress Creek, Plum Creek
- Intensive Bacteria Study on the San Marcos River

Lindheimer Master Naturalist

Guadalupe River DATA collected by
Volunteer Water Quality Monitors

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U.S. EPA are predominantly funding the development
of these materials.



Pointer 29°49'27.93" N 98°18'01.47" W elev 1169 ft

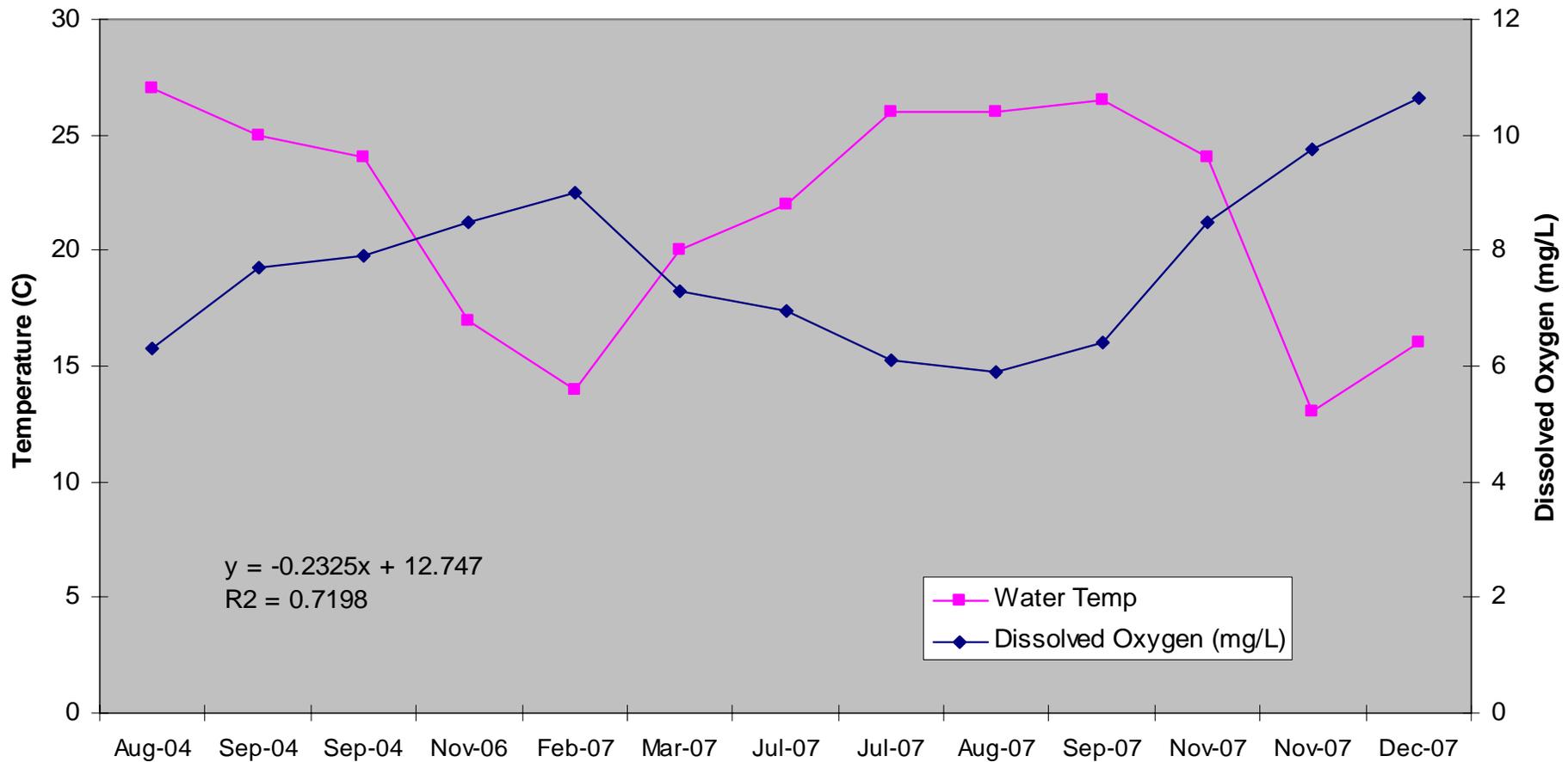
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Streaming ||||| 100%

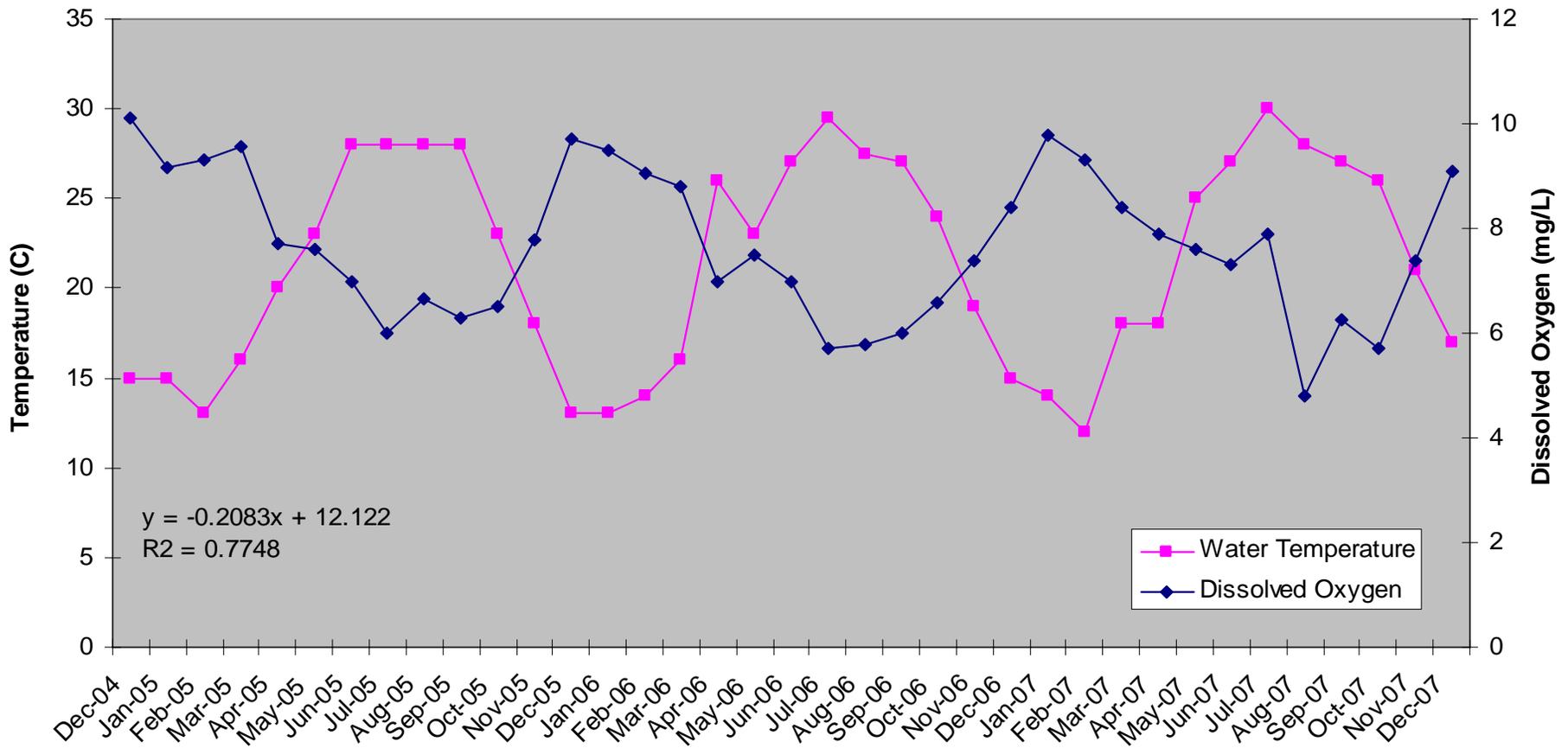
©2007 Google™
New Mexico

Eye alt 26.21 mi

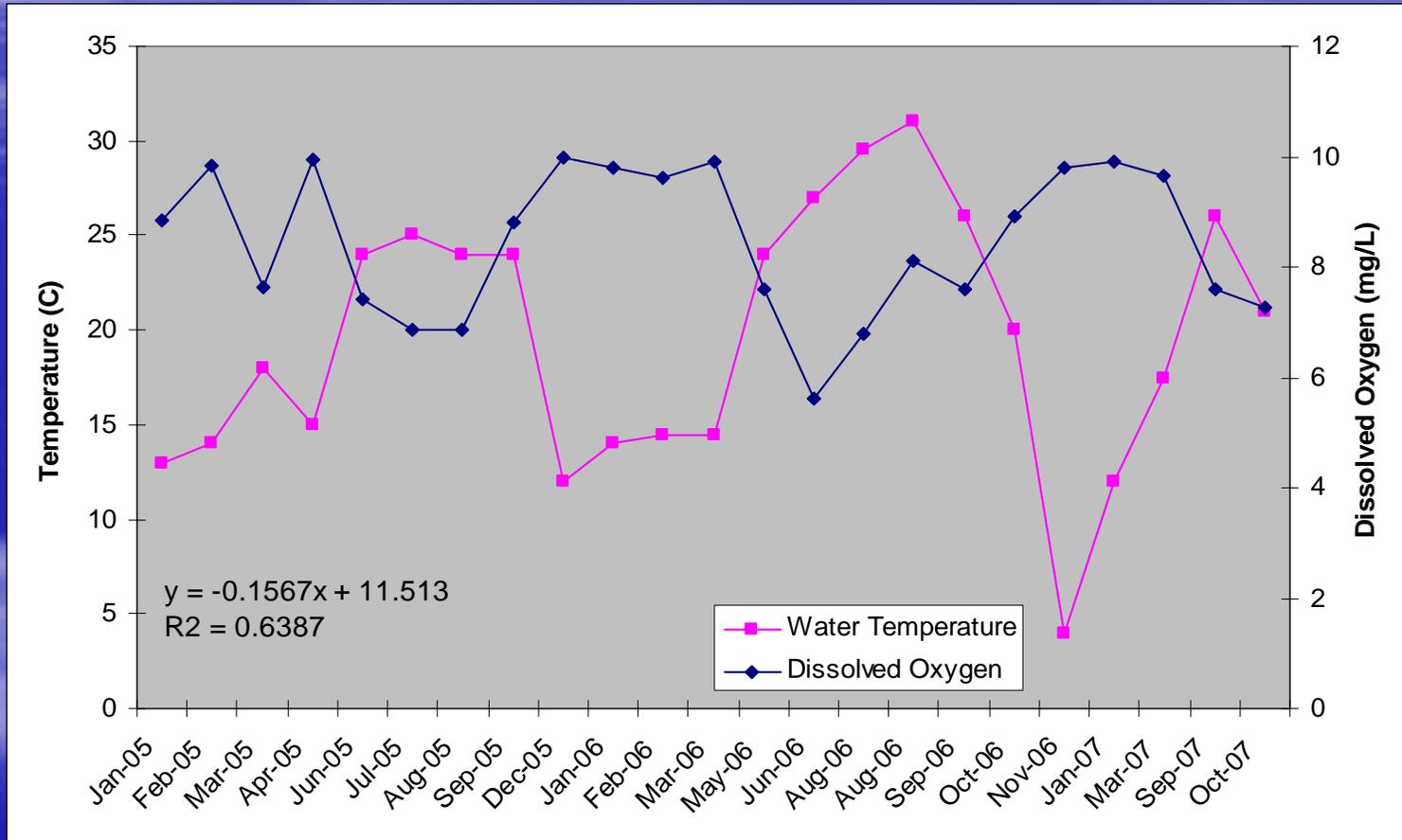
Guadalupe R. at State Park



Canyon Lake, Tom Creek tributary

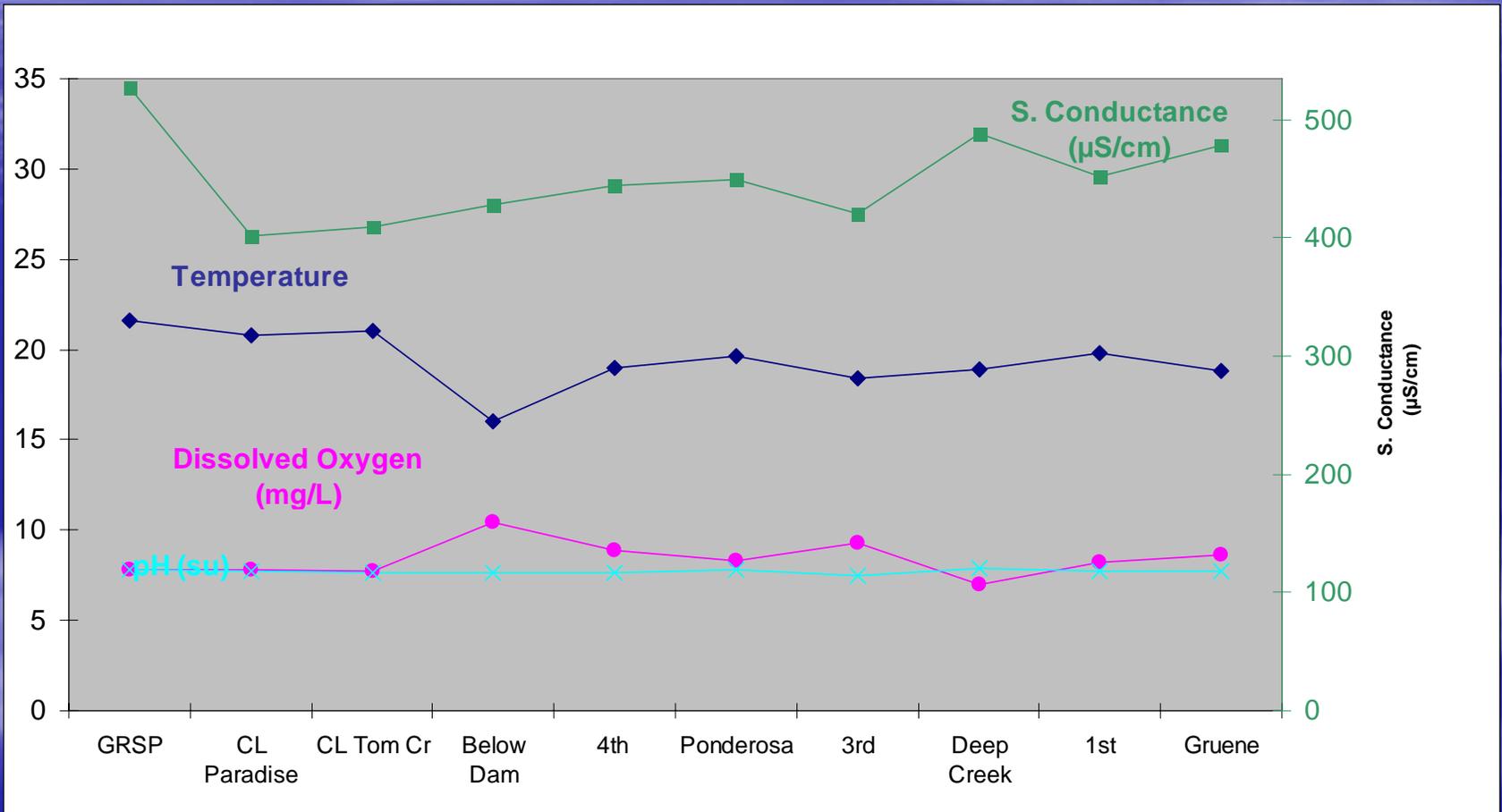


Guadalupe R. at Gruene



2004-2007 Guadalupe River Sampling - 198 Sampling Events

All data combined for each site: Average Values for All Parameters



Major Thanks to...

Lindheimer Master Naturalists

Plum Creek educational partners and
monitors

Guadalupe Blanco River Authority, Texas
Commission on Environmental Quality, U.S.
Environmental Protection Agency, and other
partners