

Caddo Lake Nutrient Study

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- Existing water quality concern about increasing nutrients entering Caddo Lake
 - Fuels growth of invasive species of aquatic macrophytes - giant salvinia, water hyacinth, hydrilla
 - Possible future problem with cyanobacteria or other toxic algae blooms?
- CLI: On-going monthly water and bacteria monitoring at six sites on Caddo Lake
- Clean Rivers Program: On-going quarterly water monitoring at two sites on Caddo Lake and at many sites throughout the Big Cypress Bayou watershed
- No recent data on nutrients in sediments
- Two new sampling programs have just started
 - Texas SEP – 4 sites for water and sediment sampling
 - Louisiana BEP – 4 sites for water and sediment sampling

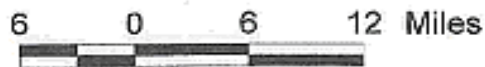
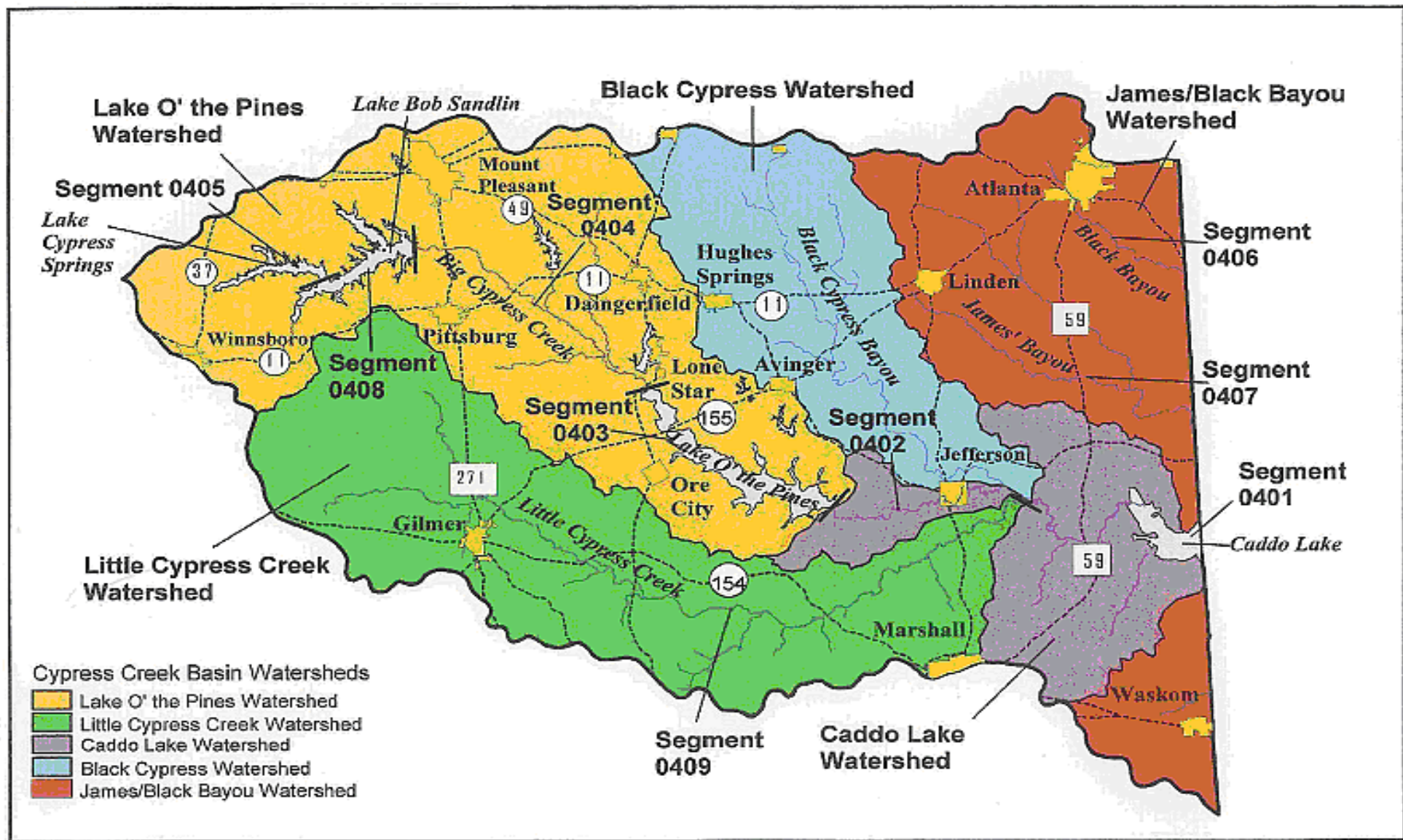


Figure 1-2
Cypress Creek Basin Watersheds



Parameters

WATER (CRP – 4x/yr; SEP & BEP – 6x/yr)

- Water temperature
- Dissolved Oxygen
- pH
- Specific conductance
- Secchi disc depth
- Alkalinity
- Hardness
- Suspended solids
- Dissolved solids
- Ammonia
- Nitrite
- Nitrate
- TKN
- Total phosphorus
- Chloride
- Sulfate
- Calcium
- Magnesium
- Total organic carbon
- Chlorophyll *a*
- Phaeophytin

SEDIMENT (SEP & BEP 2x/yr)

- Total solids
- Total nitrogen
- Nitrate-nitrite nitrogen
- Total Kjeldahl nitrogen
- Total phosphorus
- Soluble phosphorus