

# **TMDLs**

## **Total Maximum Daily Loads**

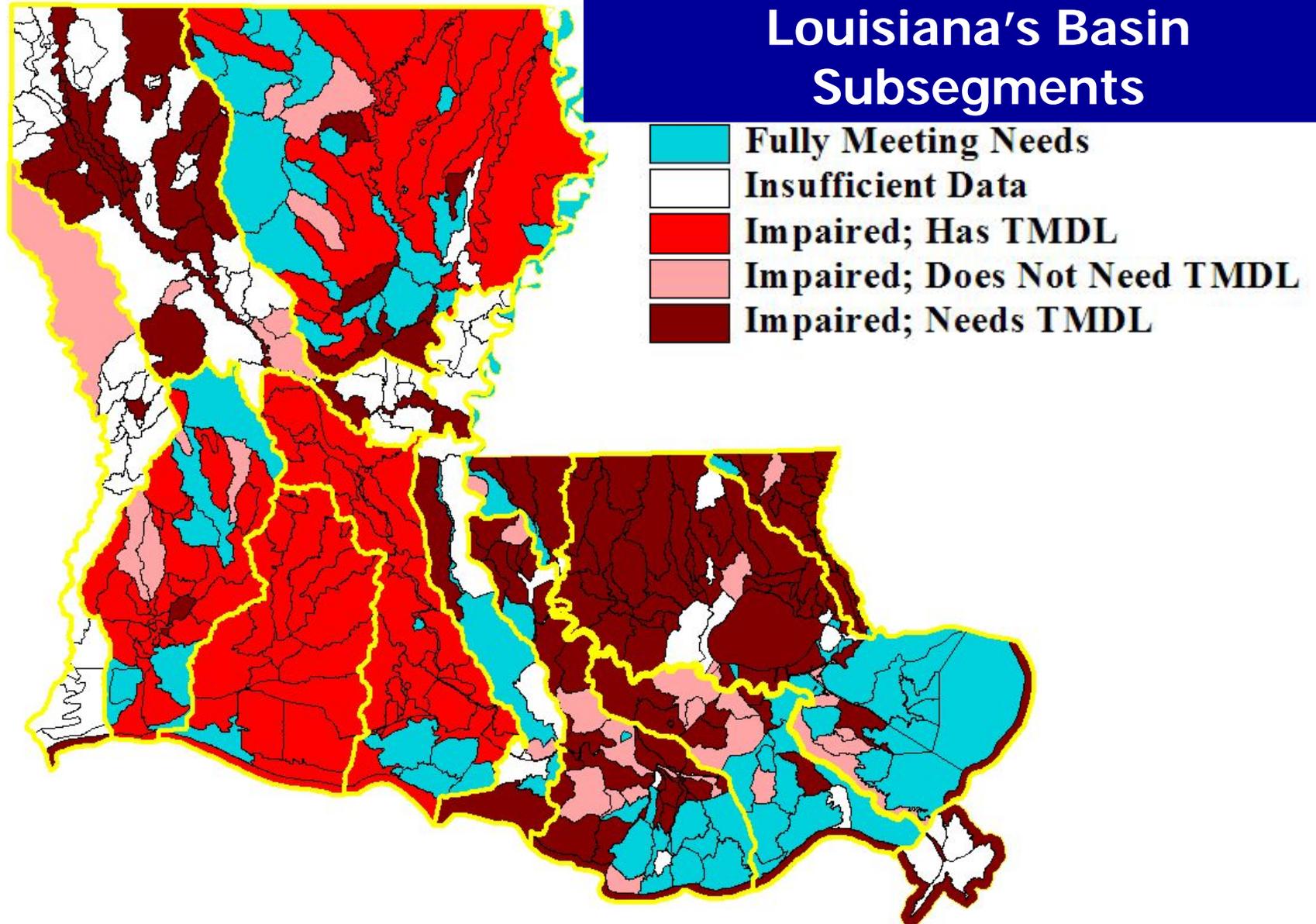
# Total Maximum Daily Load (TMDLs) – Sec. 303 of CWA

- A TMDL is a calculation of the maximum amount of a pollutant that a waterbody can receive and still meet water quality standards, and an allocation of that amount to the pollutant's sources (point and nonpoint sources) –

# TMDL Elements

- I.D. pollutant and amount that can be received and still meet WQ standards
- I.D. amount pollutant must be reduced
- I.D. source of pollutant
- Develop plan to meet standards

# Impairment Status of Louisiana's Basin Subsegments



# TMDLs Include

- “Urban stormwater and Storm Sewer Surges”
- Point source discharges from municipal and industrial wastewater treatment plants
- Nonpoint discharges from agricultural and forest operations as well as undisturbed areas

# Phase II Stormwater

- If there is an established TMDL and the Small MS4 discharges pollutants of concern to the impaired waterbody, then the stormwater plan must address these pollutants unless the wasteload allocation has already been addressed.

# Most Common TMDLs

- Bacteria-based on fecal coliforms
- Low DO-does not meet standard for stream uses as established by DEQ
  - Causes:
  - Sediment- dissolved and suspended solids
  - BOD
  - Organic matter
  - Nutrient excess

# Types of TMDLs

- Metals-Mercury, Lead, Copper
- Total Dissolved Solids
- Sediment