



Air Quality Issues

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**Mississippi Department of
Environmental Quality**

MMS ITM

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OPENING
IN 197

MISSISSIPPI
GULF COAST
COLISEUM
COMMISSION

A Coliseum Welcome To Our Visitors

The Coast Coliseum Commission, plus 148,200 other friendly and happy people welcome you to Mississippi's historic, romantic and exciting Gulf Coast, the heart of the "Golden Crescent" of the mighty Mexican Gulf. Truly Shangri-La U.S.A.

And congratulations for you are now in the state with the lowest crime rate in the nation according to the latest FBI crime report.

You are breathing what is probably the purest pollution free air left on this continent. This air is from the incessant breeze blowing in from a 3,000 mile sweep from the straits of the Carribean Sea, then is purified by a 2,000 mile trip over the salty crests of the mighty Mexican Gulf. When this breeze reaches our shores, it is blended with the

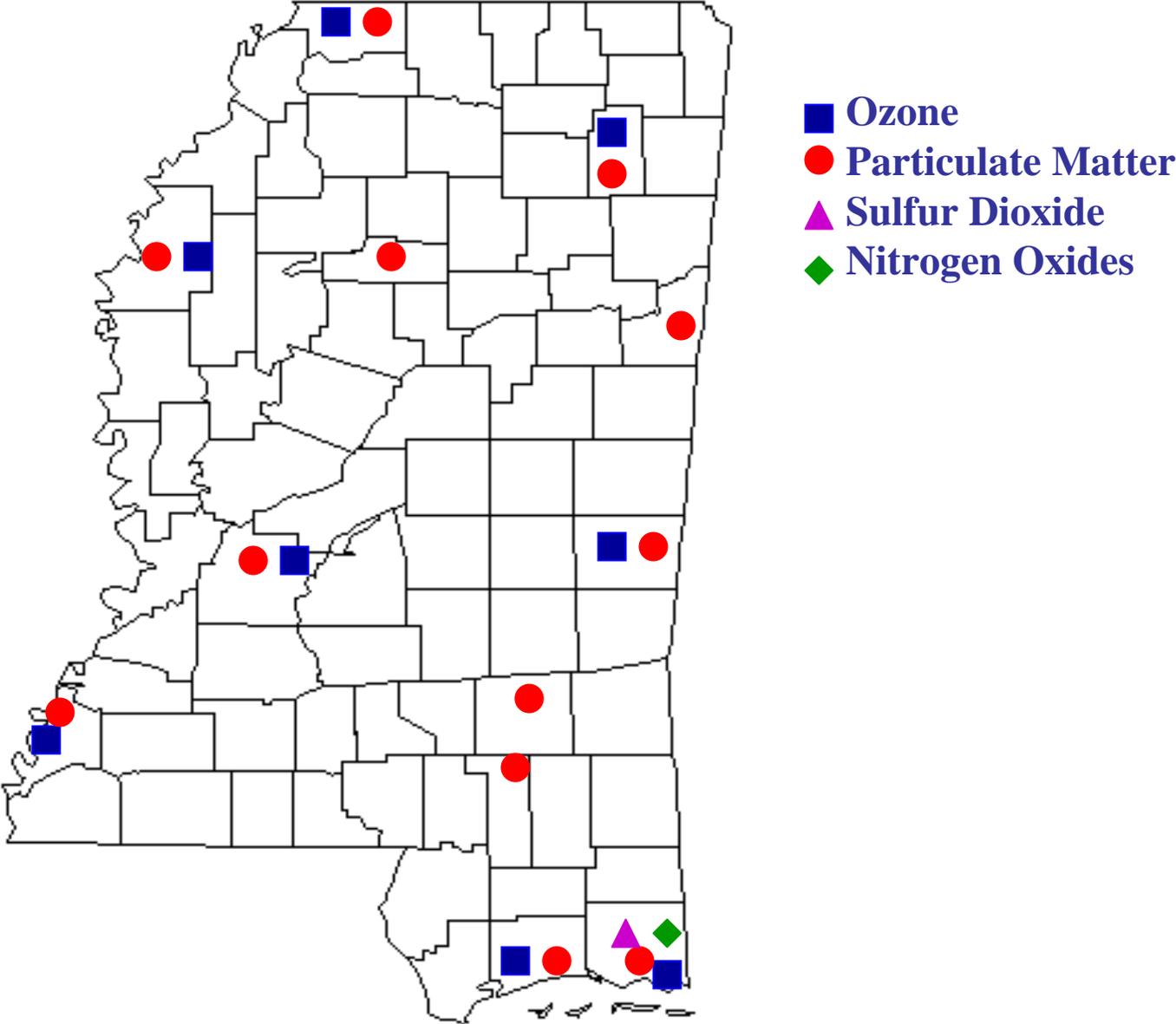
health giving ozone from the hundreds of thousands of pine trees just north of Gulfport. Most everyone who has any form of respiratory ailment is helped by this ozone laden, salt purified, non-polluted air.

If your hobbies include either walking or jogging, your path is from horizon to horizon on our 26 mile sugar white sand beach. All flat country, no hills nor hilly areas.

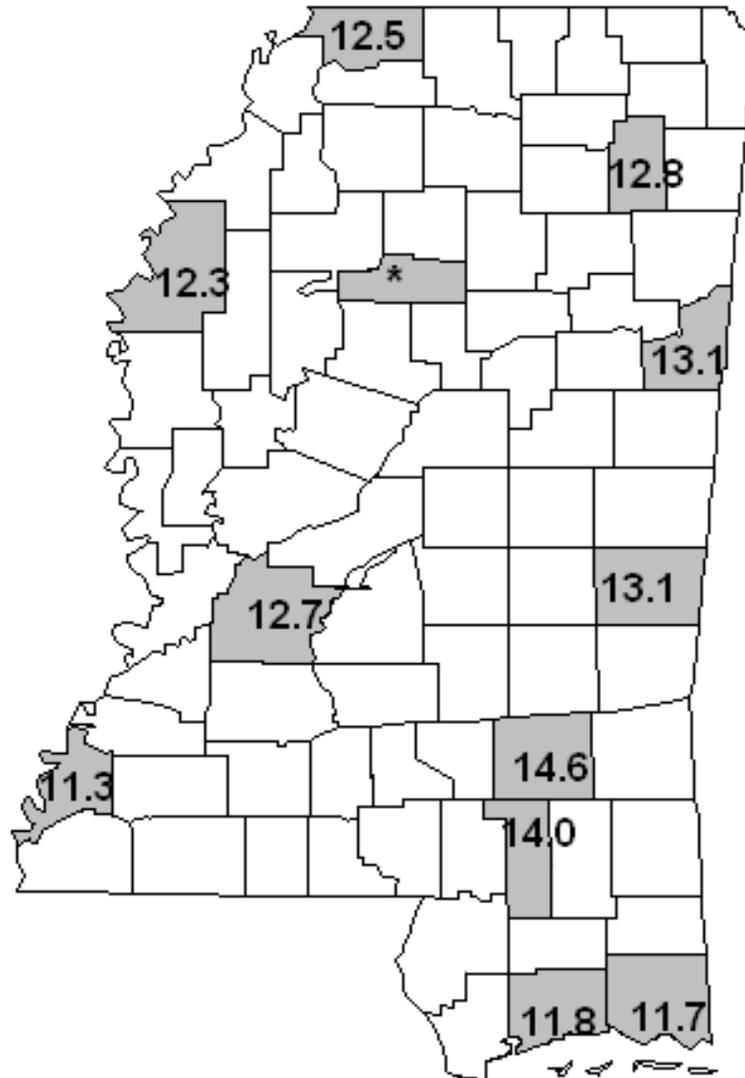
When too, you are on the Riviera of America and the Western Hemisphere. There are only two places on this planet where live oak trees grow down to the edge of salt water. One, the Spanish Riviera on the Mediterranean Sea and the other on America's Riviera, the historic, romantic and exciting Mississippi Gulf Coast.

Mississippi is one of only 3 states east of the Mississippi River (Florida and Vermont) to have always been designated as attaining the National Ambient Air Quality Standards (NAAQS)

2008 Mississippi Ambient Air Quality Monitoring Sites

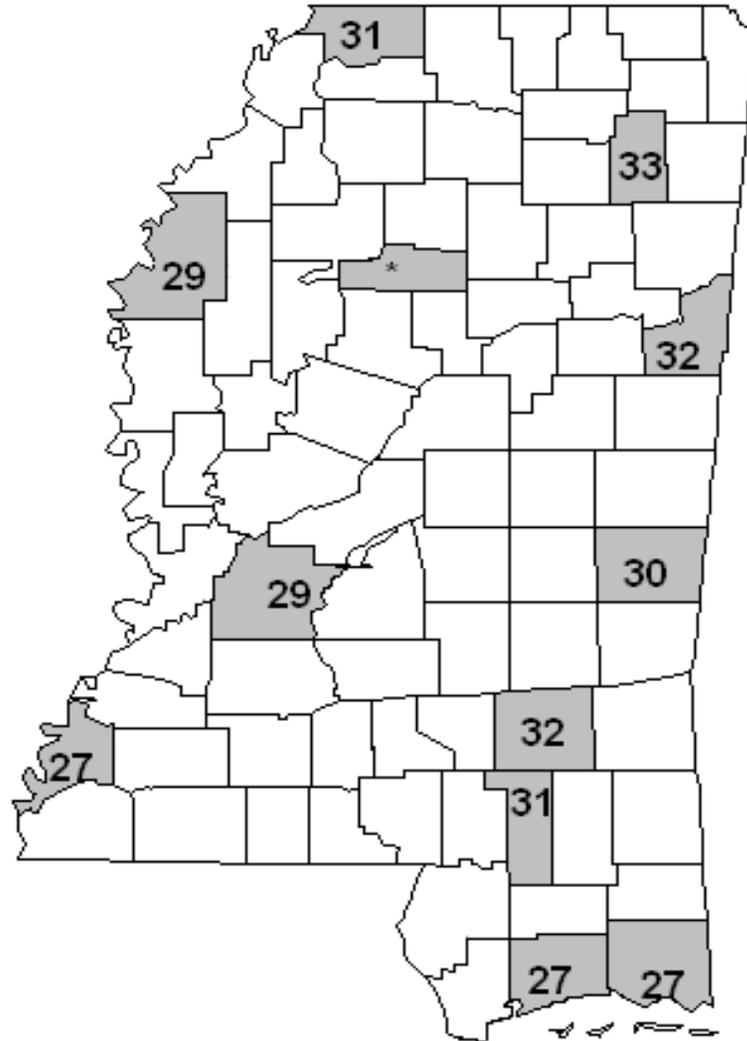


2005–2007 PM_{2.5} Annual Design Values (ug/m³)



Standard = 15.0 ug/m³

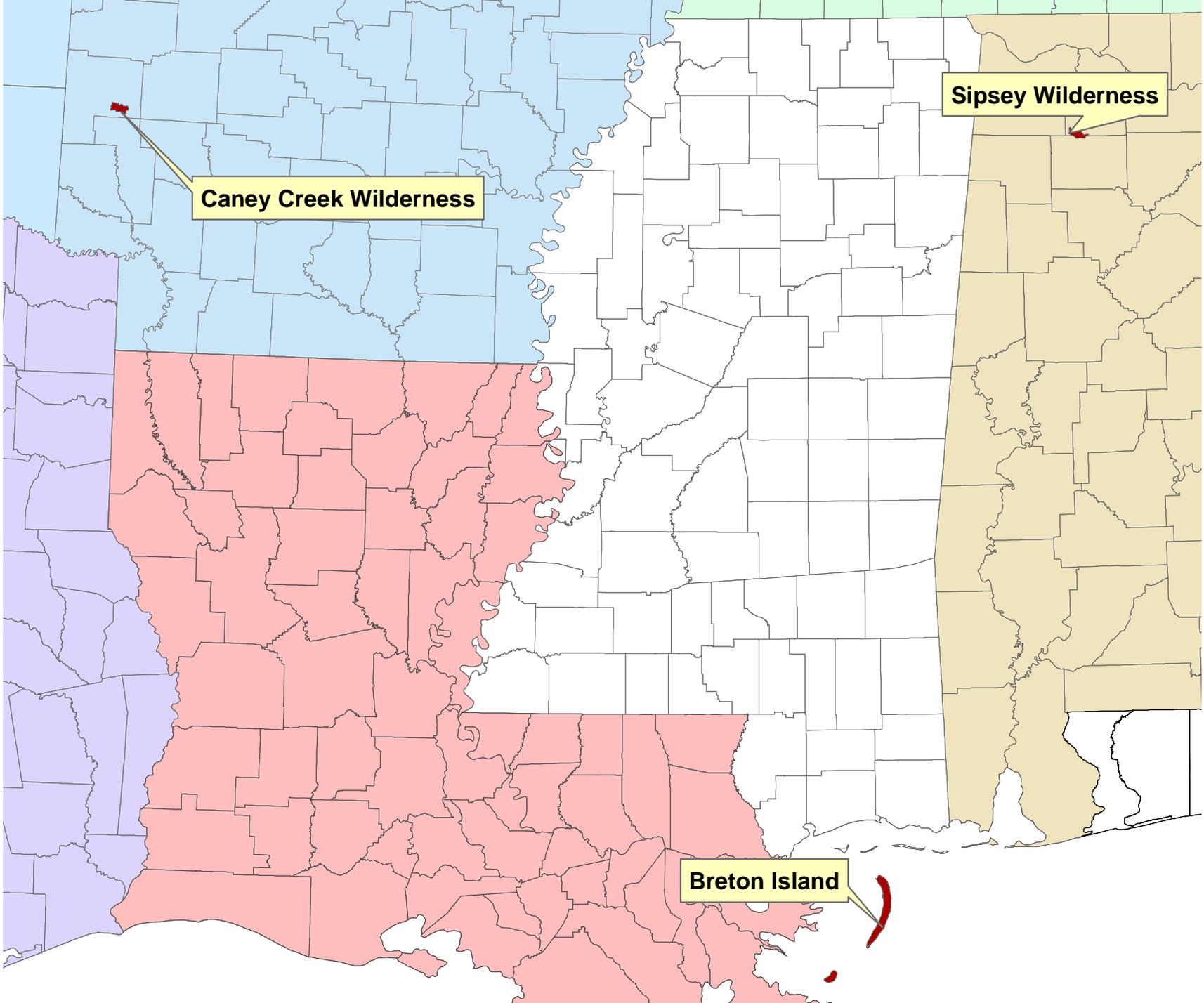
2005–2007 PM_{2.5} 24-Hour Design Values (ug/m³)



Standard = 35 ug/m³

Regional Haze





Caney Creek Wilderness

Sipsey Wilderness

Breton Island

BART Status

- Two facilities were identified as being subject to BART, Chevron Refinery and Mississippi Phosphates
- Chevron meets the BART requirements with consent decree
- Mississippi Phosphates will likely need further reductions.

Reasonable Progress Goals

- One facility, DuPont, was identified as needing SO₂ reductions from boilers based on emissions and proximity to Breton.
- Still determining the amount of reduction, most likely will need to switch to a lower sulfur coal.

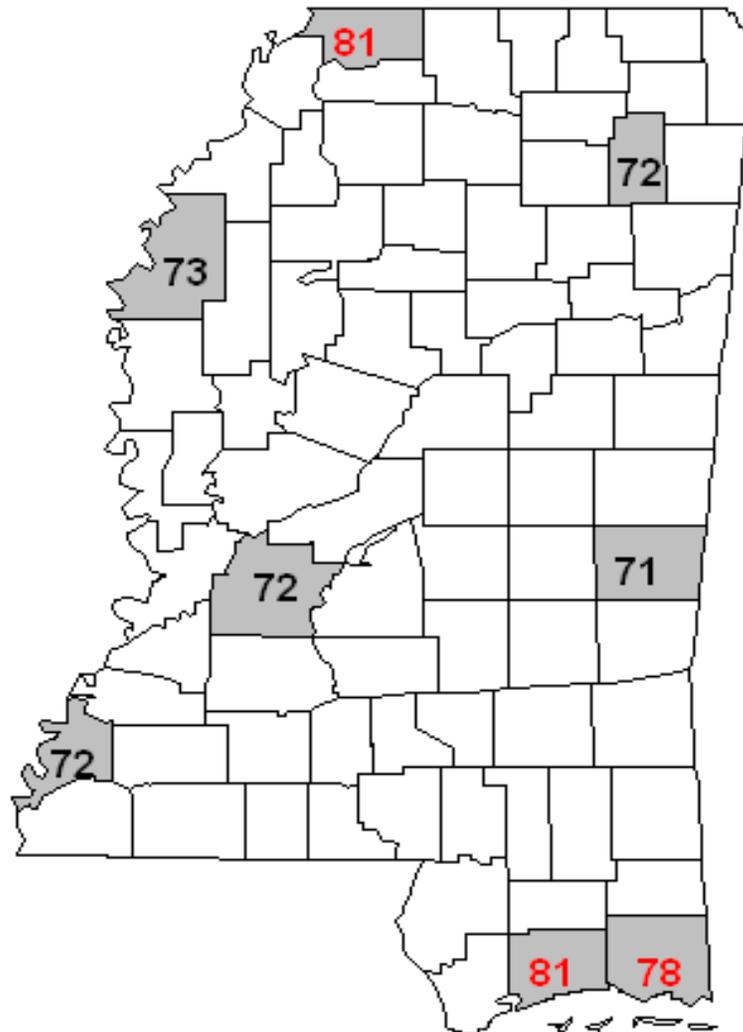
Current Status

- SIP submitted to EPA on 22 September 2008
- Supplemental SIP will need to be submitted in a year to address Mississippi Phosphates and DuPont determinations.

Lead

- Mississippi last monitored for lead in 1995.
- New regulations require lead to be monitored in the Jackson Metro Area starting 1 January 2011.
- At this time, Mississippi has no lead sources emitting 1 tpy or more, so no monitoring near lead sources will be required.

2006–2008 8-Hour Ozone Design Values (ppb)



Standard = 75 ppb

2007–2008 Ozone Comparison

County	2007 Design Values	2008 Design Values	Difference Between 2007 and 2008 Design Values
Adams	74 ppb	72 ppb	-2 ppb
Bolivar	76 ppb	73 ppb	-3 ppb
DeSoto	85 ppb	81 ppb	-4 ppb
Harrison	83 ppb	81 ppb	-2 ppb
Hinds	73 ppb	72 ppb	-1 ppb
Jackson	79 ppb	78 ppb	-1 ppb
Lauderdale	76 ppb	71 ppb	-5 ppb
Lee	75 ppb	72 ppb	-3 ppb

Ozone Nonattainment Issues

- Staffing – resources
- Training
- Outreach
- Nonattainment boundaries

Voluntary Ozone Precursor Reduction Program

- Some of the larger employers on the Mississippi Gulf Coast and DeSoto County have agreed to implement ozone precursor reduction plans on days when the 8-hour ozone air quality index is predicted to be >100 .
- MDEQ is providing 1, 2, and 3-day ozone forecasts to these employers.

Air Quality Index

- MDEQ reports daily Air Quality Index information for the Jackson metropolitan area, DeSoto County, Hancock County, Harrison County, and Jackson County
- This information, in addition to the ozone forecasts, is available on the MDEQ website: www.deq.state.ms.us, click on "Weather Center".

Access to Ambient Air Quality Data

- For MDEQ Annual Air Quality Data Summaries:
Go to www.deq.state.ms.us, click on Office of Pollution Control, go to Air Monitoring